



# LabVIEW Manual

## V1.0.x

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## **1 Introduction**

### **1.1 Purpose**

The purpose of this document is to provide instructions on how to use DLS LabVIEW library.

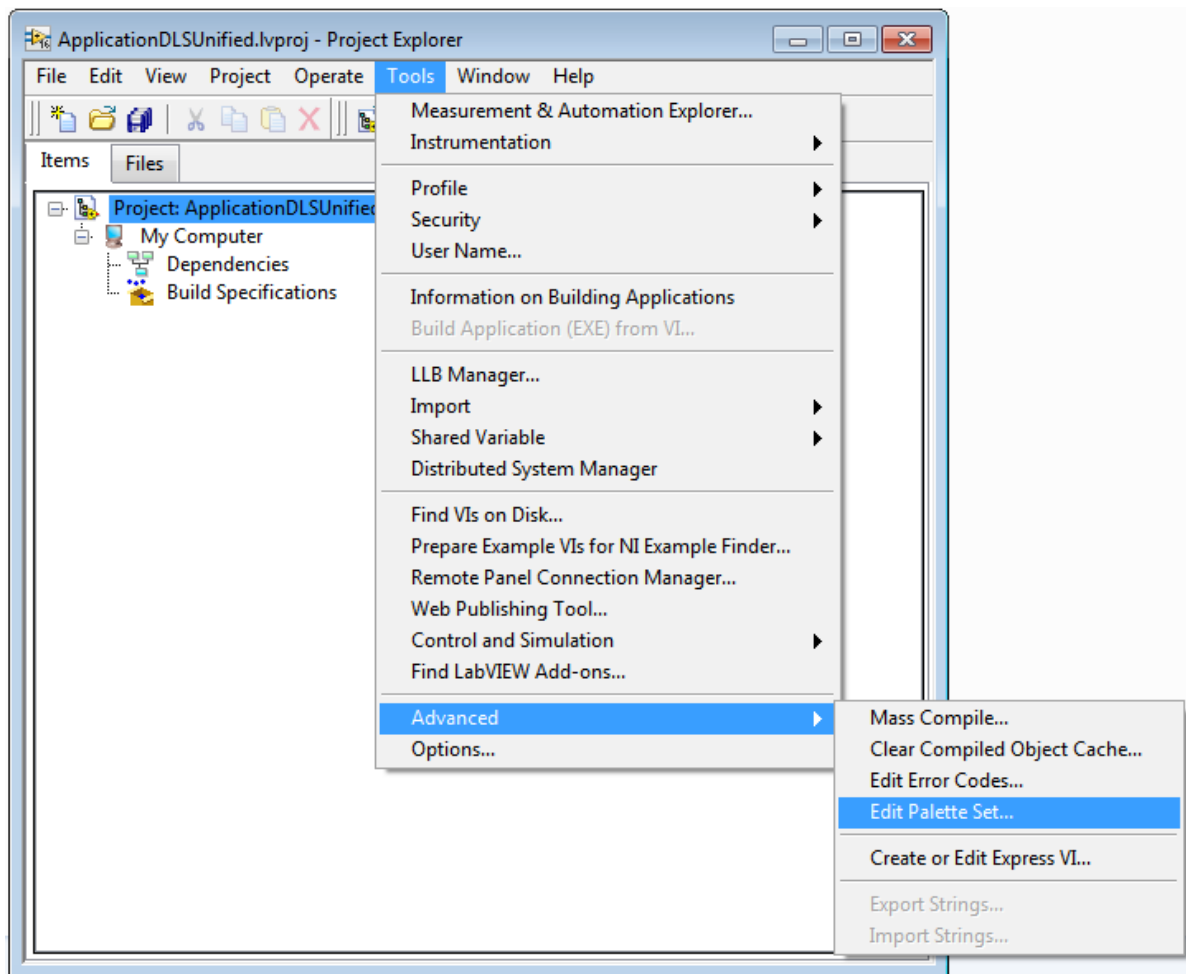
### **1.2 Requirements**

The Windows PC computer requires having the .NET Framework installed and you need to run either Newport.DLS.CommandInterface\_x86.exe or Newport.DLS.CommandInterface\_x64.exe depending on the Windows version you are using.

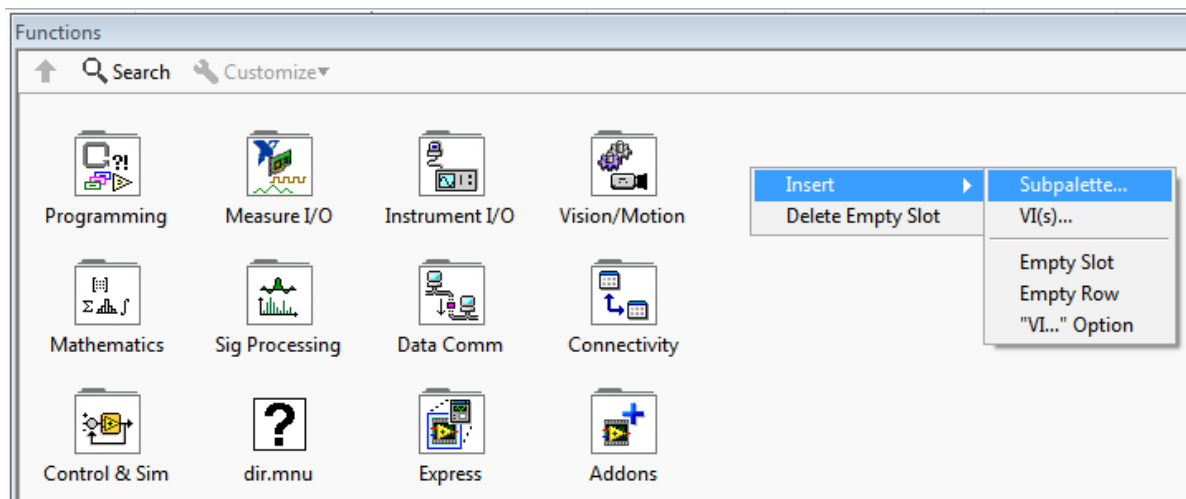
### **1.3 Use DLS LabVIEW Library**

Complete the following steps to use VIs.

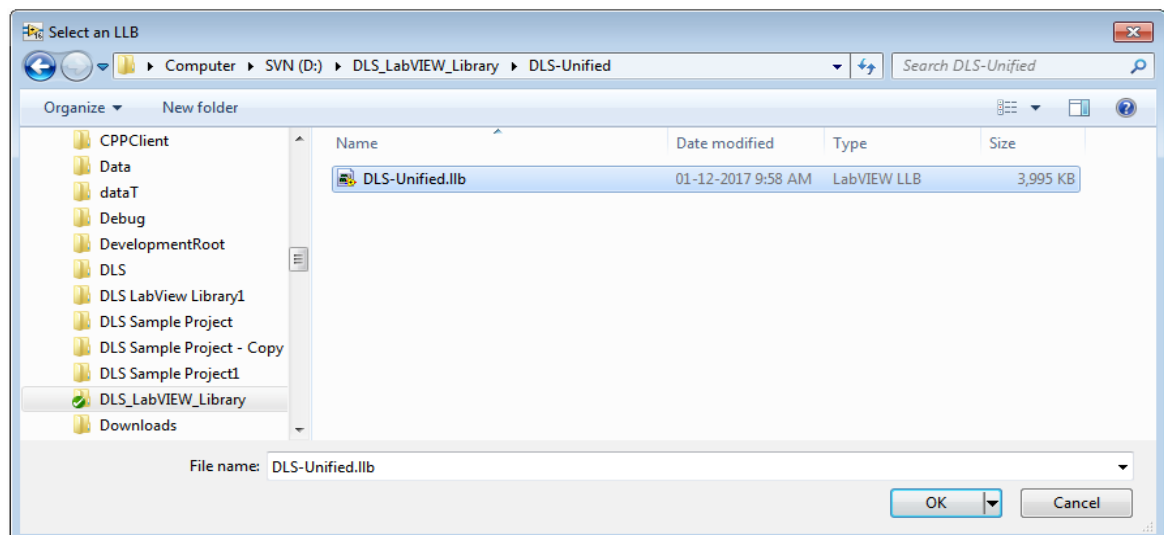
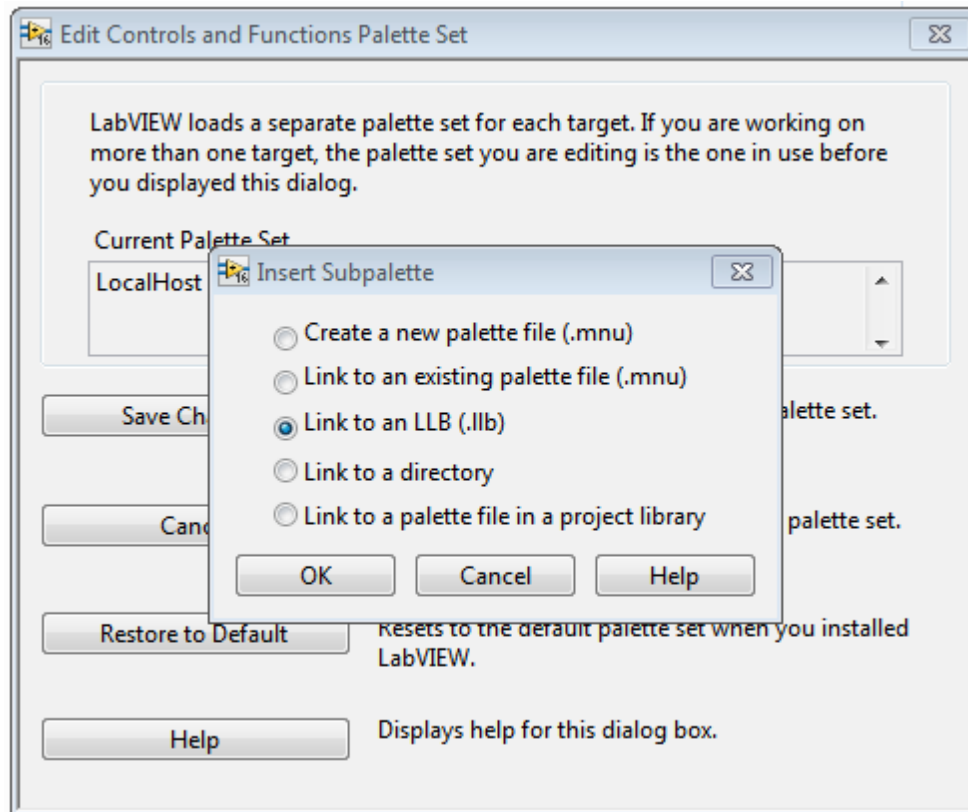
- 1 Open the palette edit tool via Tools >> Advanced >> Edit Palette Set



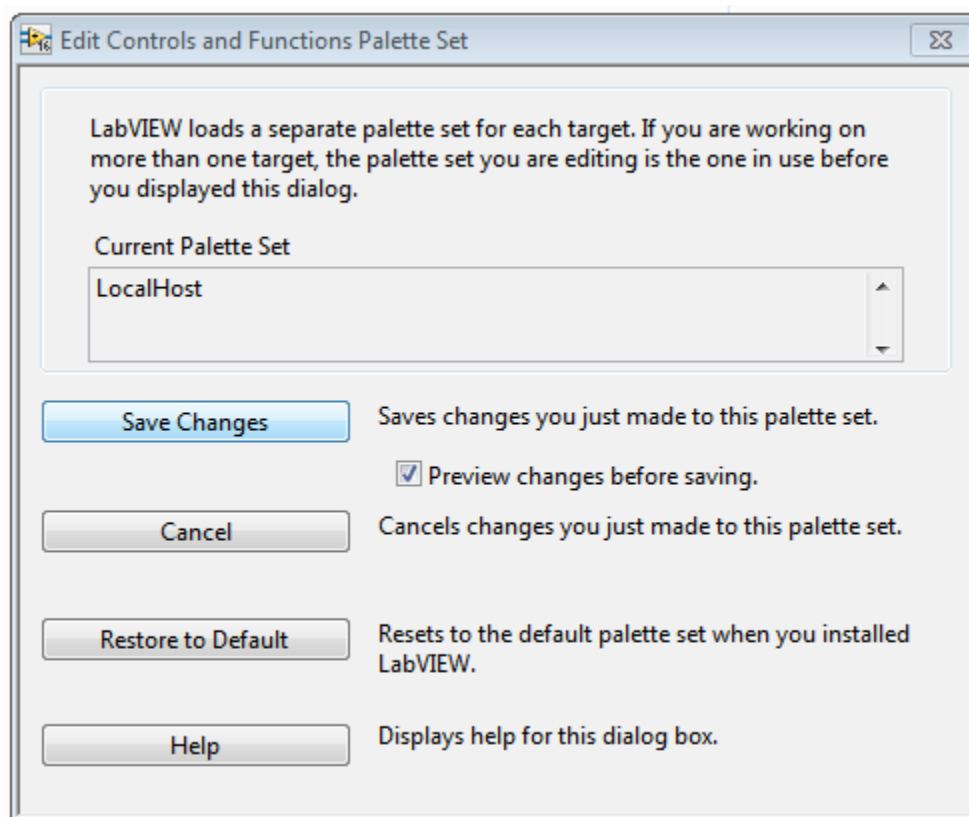
2 Right click and select Insert >> Subpalette.



- 3 On the dialog, select Link to an LLB(.llb). Select the DLS-Unified.llb file.



- 4 Save changes and use VIs.



## 2 Standard Functions

### 2.1 AC\_Get

#### Name

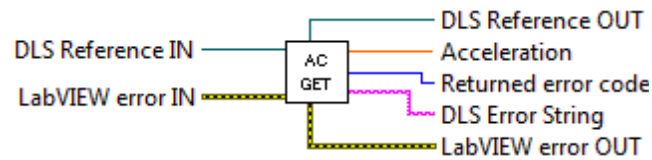
**AC\_Get** – Get acceleration.

#### Description

This function is used to get acceleration.

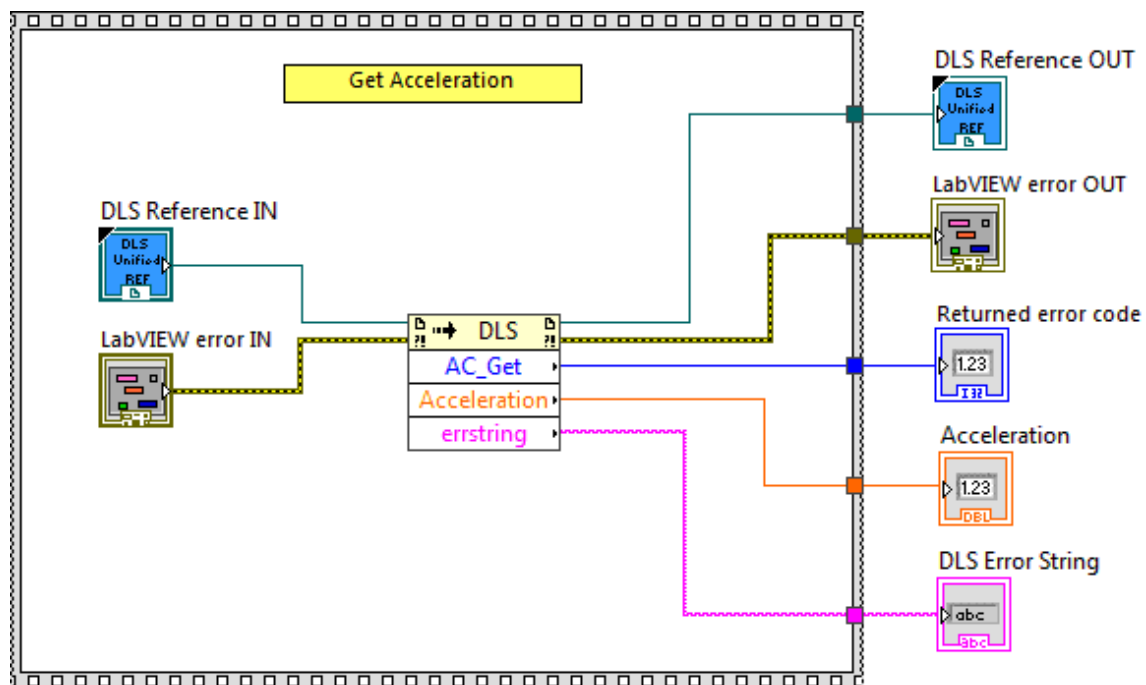
#### Connector Pane

##### LWDLS\_AC\_Get.vi



#### Screenshot





### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Acceleration** Acceleration



**DLS Error String** return error string from VI

## 2.2 AC\_Set

### Name

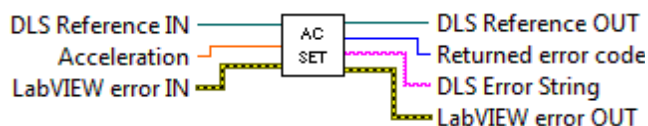
AC\_Set – Set acceleration.

### Description

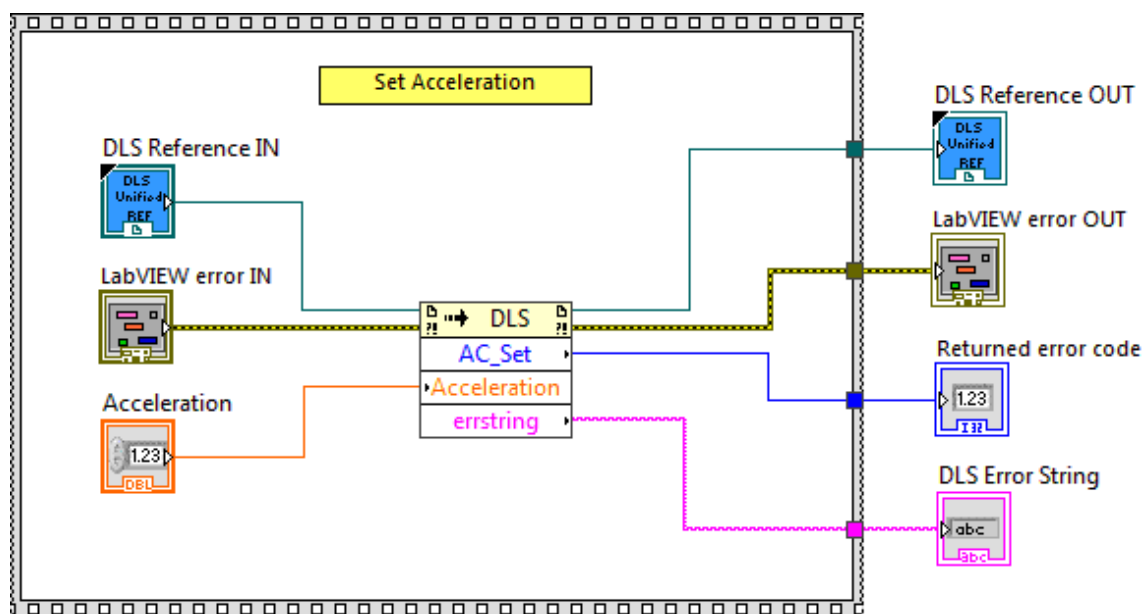
This function is used to set acceleration.

### Connector Pane

LWDLS\_AC\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference







**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**Acceleration** Acceleration

-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.3 AF\_Get

### Name

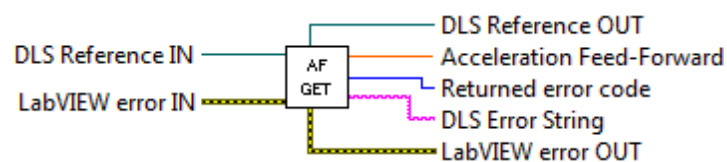
**AF\_Get** – Get acceleration feed-forward .

### Description

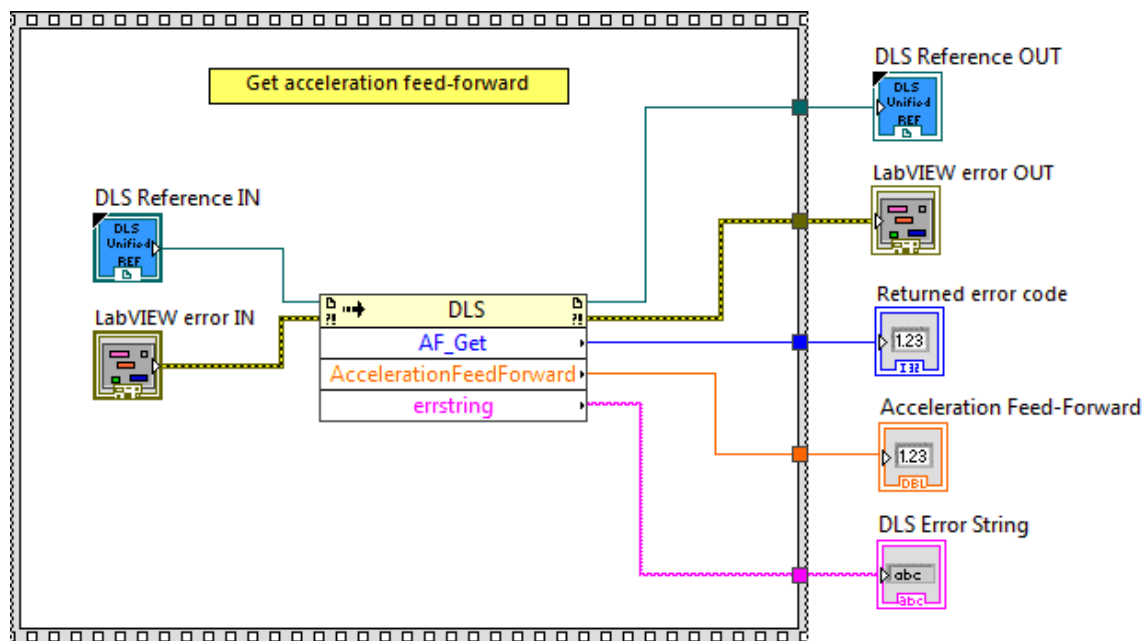
This function is used to get acceleration feed-forward.

### Connector Pane








#### LWDLS\_AF\_Get.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Acceleration Feed-Forward** Acceleration feed-forward
-  **DLS Error String** return error string from VI

## 2.4 AF\_Set

### Name

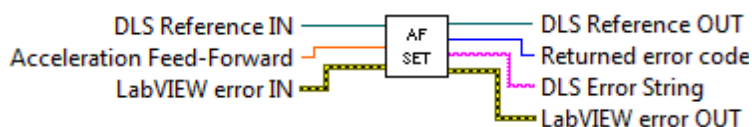
**AF\_Set** – Set acceleration feed-forward.

## Description

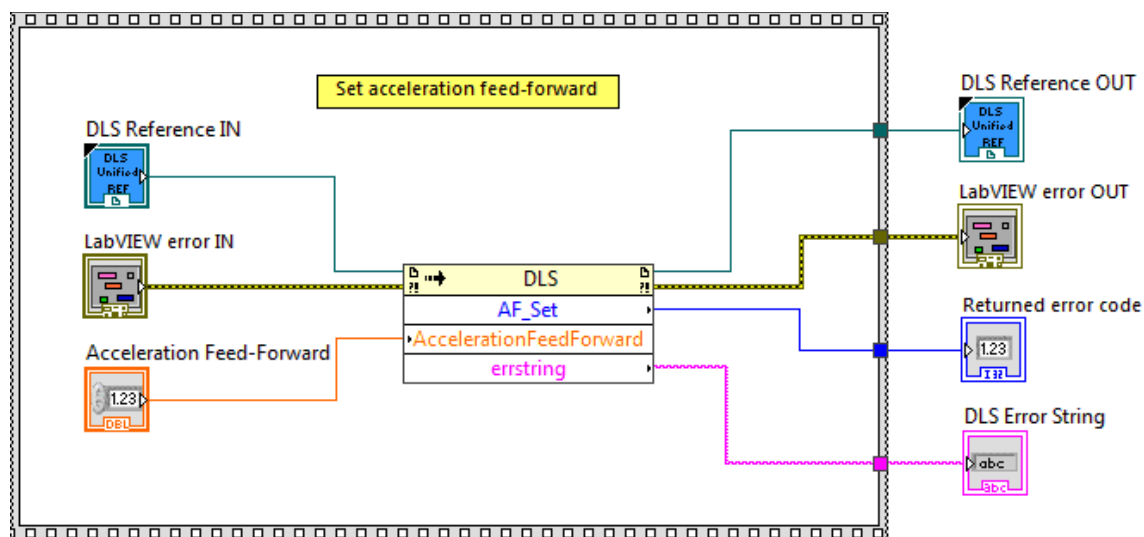
This function is used to set acceleration feed-forward.

## Connector Pane

### LWDLS\_AF\_Set.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**Acceleration Feed-Forward** Acceleration feed-forward




**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.

 **Returned Error Code** Returns function error code

 **DLS Error String** return error string from VI

## 2.5 CloseInstrument

### Name

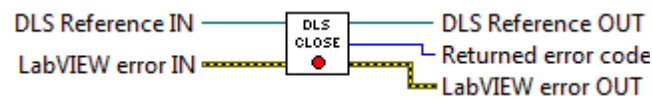
**CloseInstrument** – Close communication with the selected device.

### Description

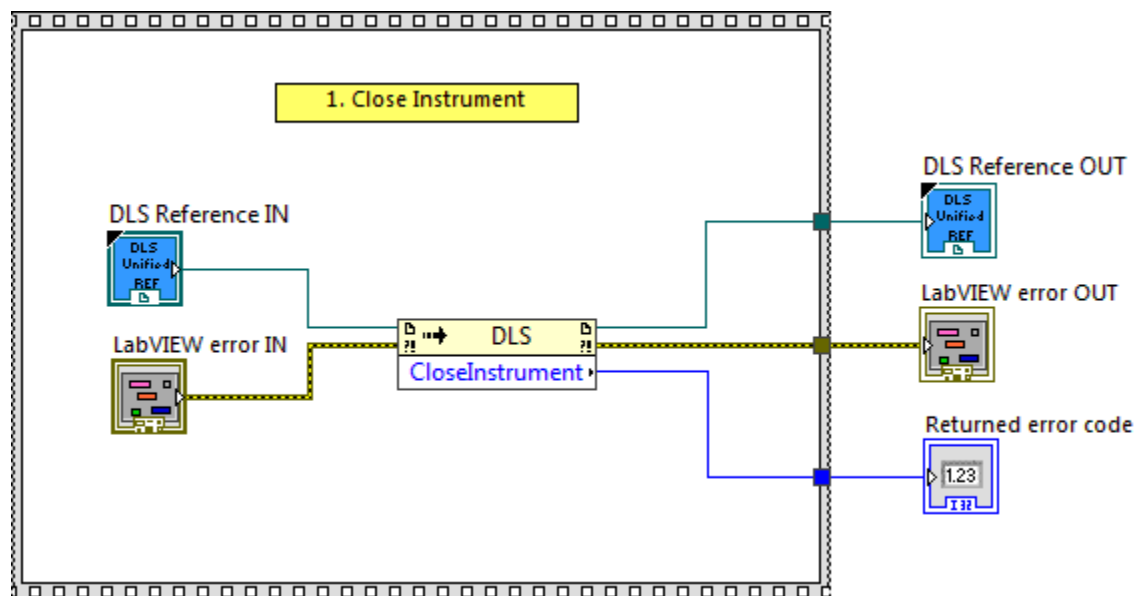
This function allows closing communication with the selected device. If the closing failed, the returned code is -1.

### Connector Pane






LWDLS\_CloseInstrument.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code

## 2.6 DBL\_Get

### Name

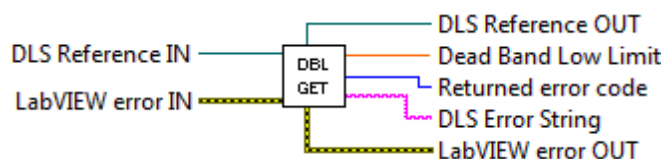
**DBL\_Get** – Get the dead band low limit of the PID control loop.

### Description

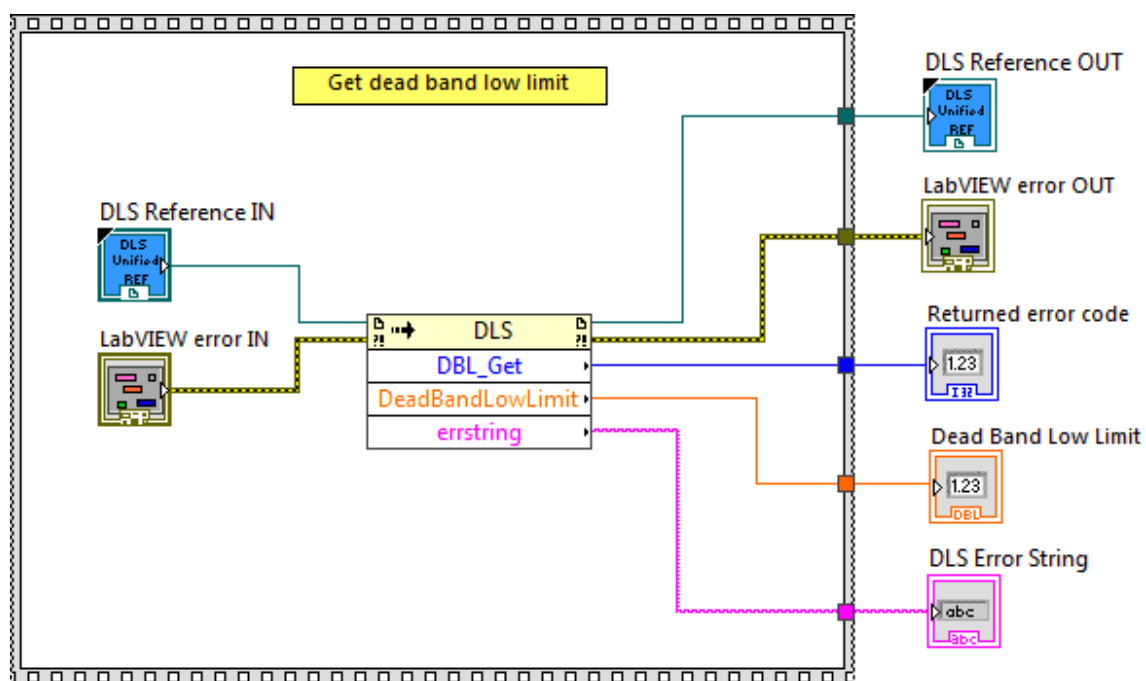
This function is used to get the dead band low limit of the PID control loop.

## Connector Pane

### LWDLS\_DBL\_Get.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.






**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard



error out functionality.

-  **Returned Error Code** Returns function error code
-  **Dead Band Low Limit** Dead band low limit
-  **DLS Error String** return error string from VI

## 2.7 DBL\_Set

### Name

**DBL\_Set** – Set the dead band low limit of the PID control loop.

### Description

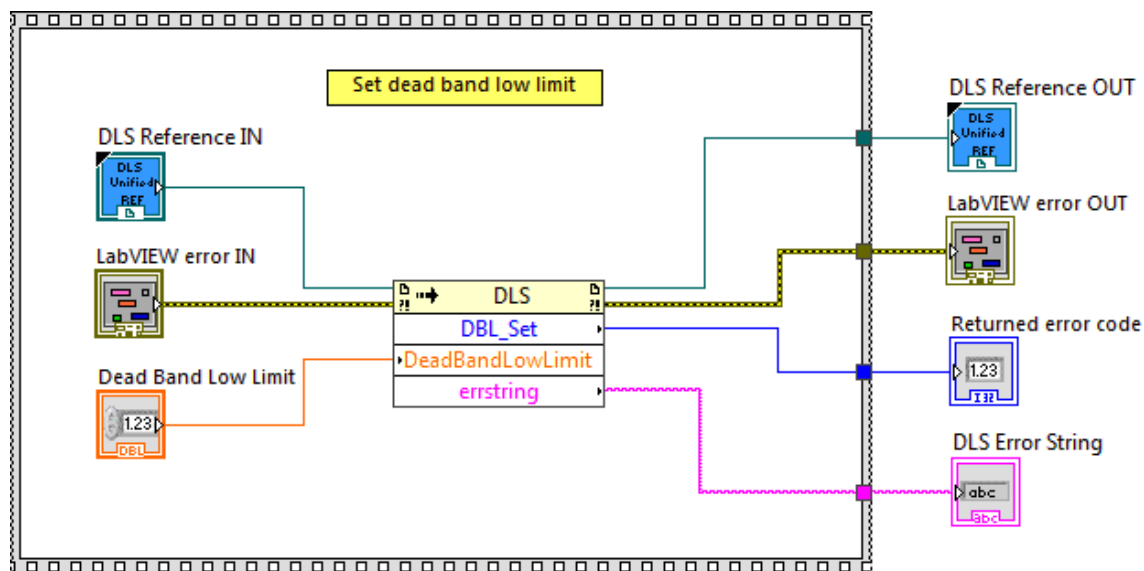
This function is used to set the dead band low limit of the PID control loop.

### Connector Pane








#### LWDLS\_DBL\_Set.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Dead Band Low Limit** Dead band low limit
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.8 DBH\_Get

### Name

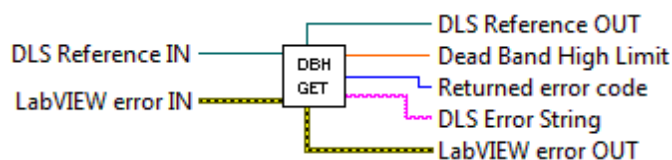
**DBH\_Get** – Get the dead band high limit of the PID control loop.

## Description

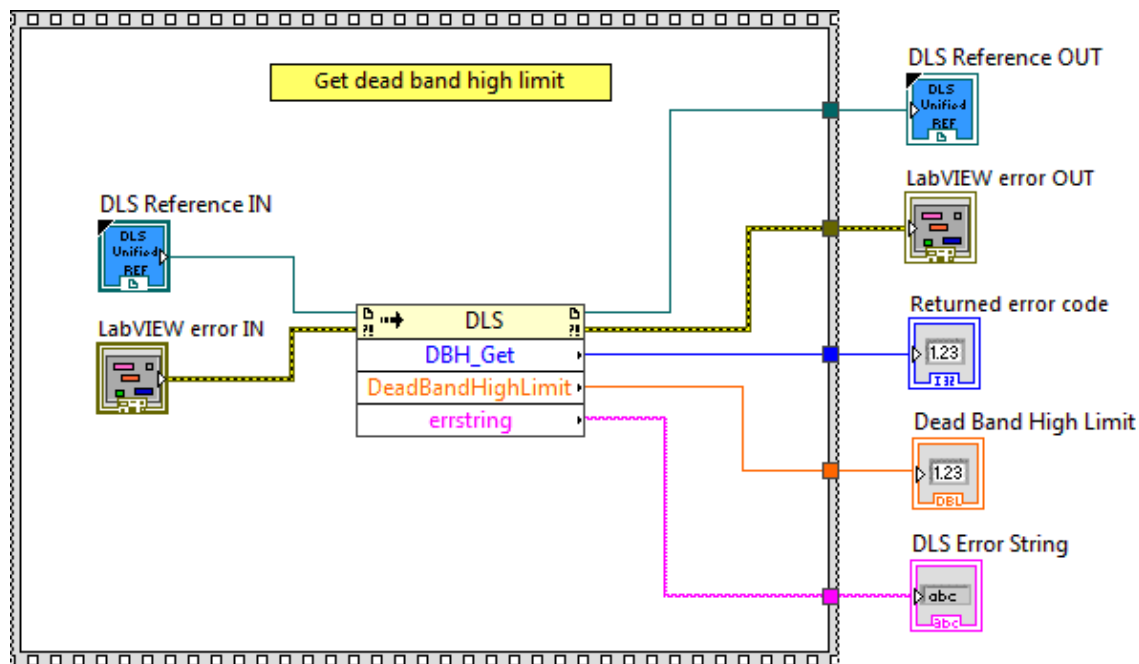
This function is used to get the dead band high limit of the PID control loop.

## Connector Pane

**LWDLS\_DBH\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.






**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.

-  **Returned Error Code** Returns function error code
-  **Dead Band High Limit** Dead band high limit
-  **DLS Error String** return error string from VI

## 2.9 DBH\_Set

### Name

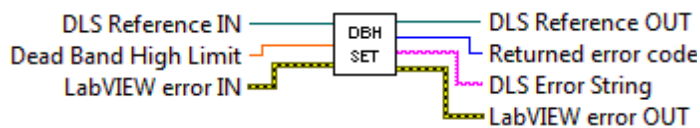
**DBH\_Set** – Set the dead band high limit of the PID control loop.

### Description

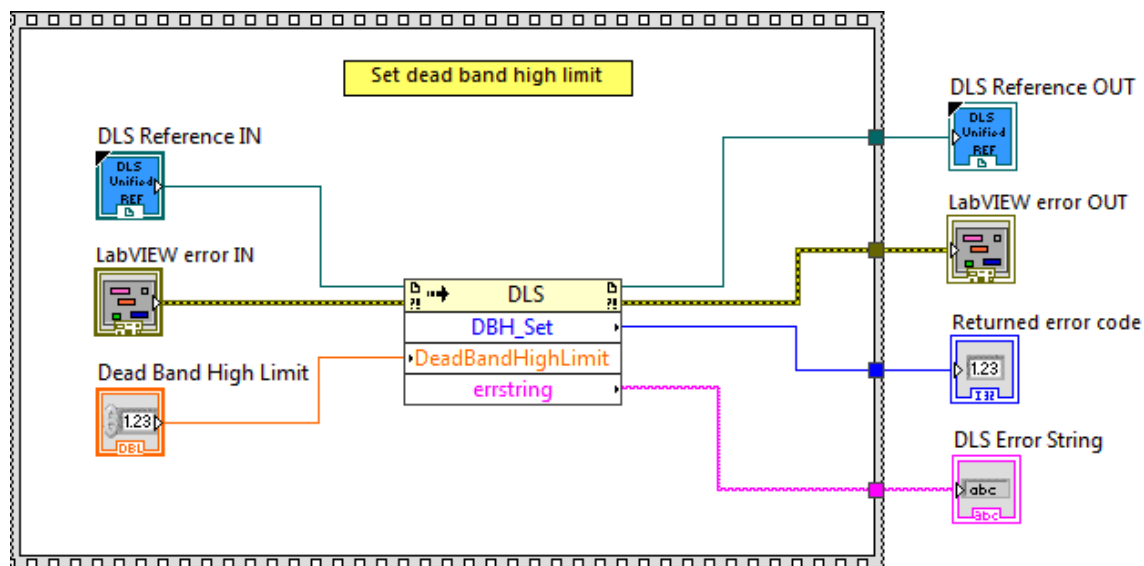
This function is used to set the dead band high limit of the PID control loop.

### Connector Pane








#### LWDLS\_DBH\_Set.vi



### Screenshot



## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Dead Band High Limit** Dead band high limit
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.10 DCA

### Name

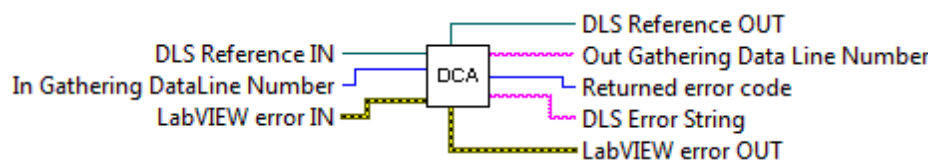
**DCA** – Get the gathered data line GatheringDataLineNumber.

## Description

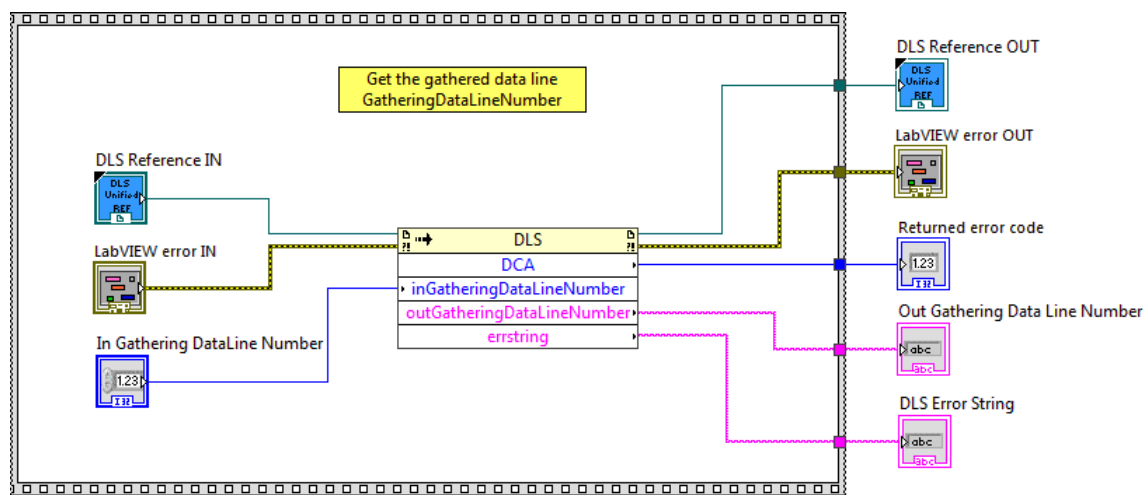
This function is used to get the gathered data line GatheringDataLineNumber.

## Connector Pane

### LWDLS\_DCA.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.






**In Gathering Data Line Number** The asked gathering data line number



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.

-  **Returned Error Code** Returns function error code
-  **Out Gathering Data Line Number** The returned gathering data line number
-  **DLS Error String** return error string from VI

## 2.11 DCC

### Name

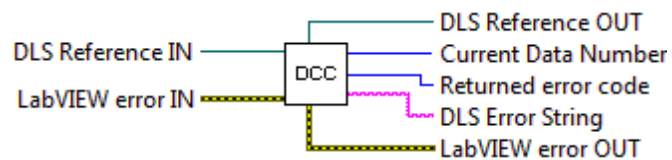
**DCC** – Get the current number of gathered data lines.

### Description

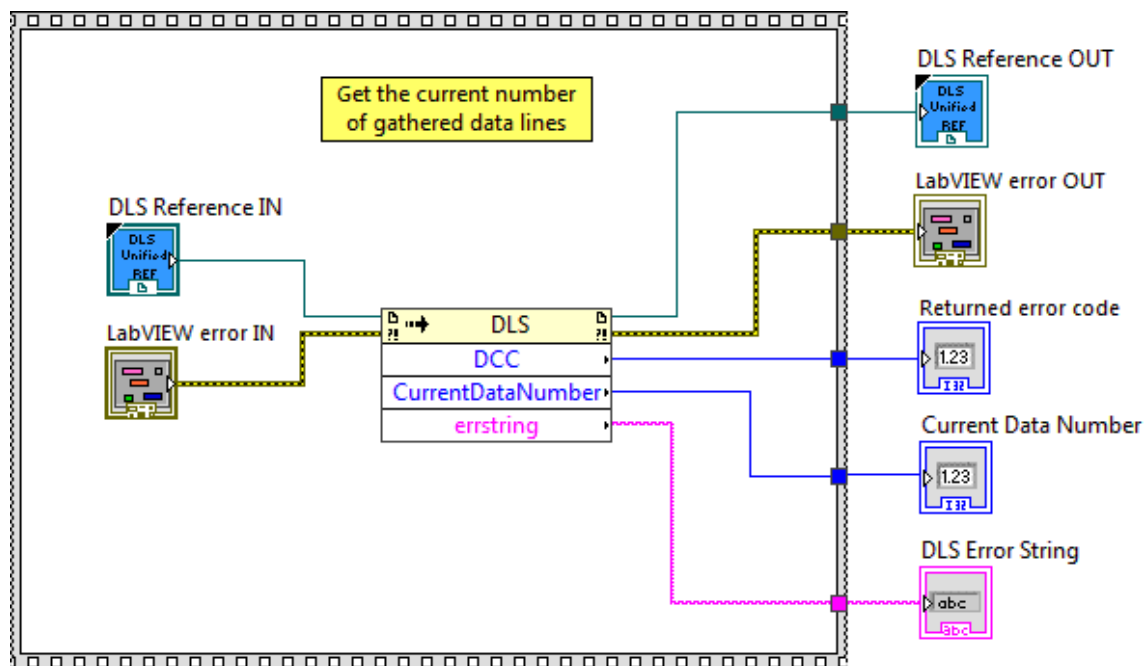
This function is used to get the current number of gathered data lines.

### Connector Pane








LWDLS\_DCC.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Current Data Number** Current data number
-  **DLS Error String** return error string from VI

## 2.12 DCD\_Get

### Name



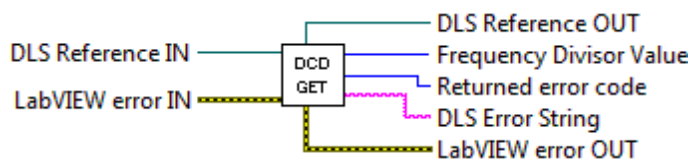
**DCD\_Get** – Get frequency divisor for the gathering

### Description

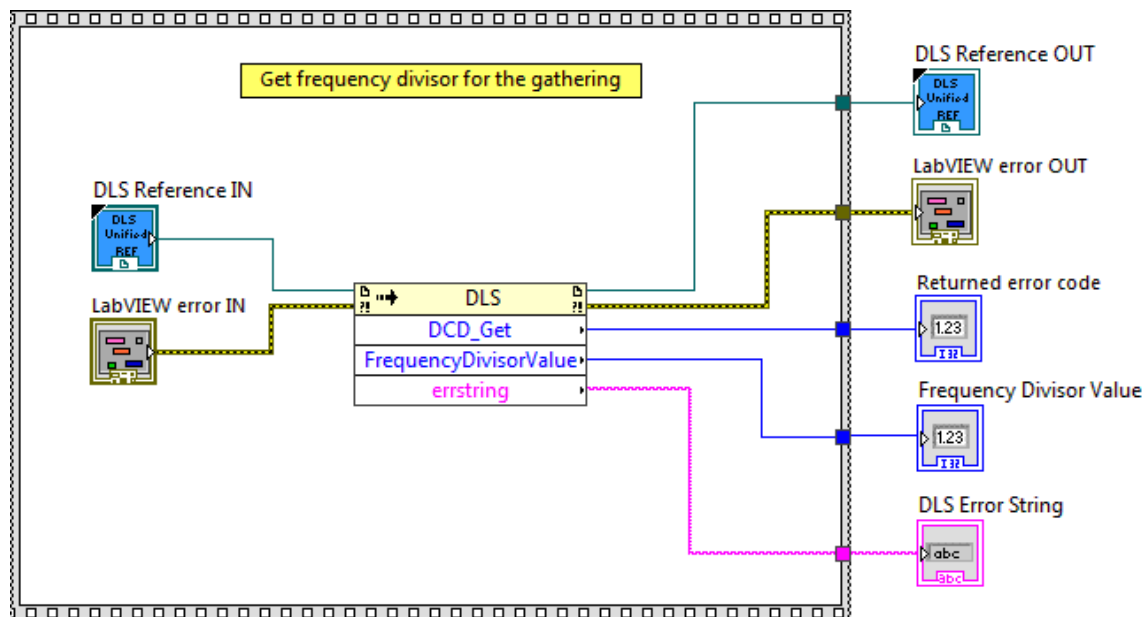
This function is used to get frequency divisor for the gathering

### Connector Pane

#### **LWDLS\_DCD\_Get.vi**



### Screenshot



### Controls and Indicators








**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.

-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Frequency Divisor Value** Frequency divisor value
-  **DLS Error String** return error string from VI

## 2.13 DCD\_Set

### Name

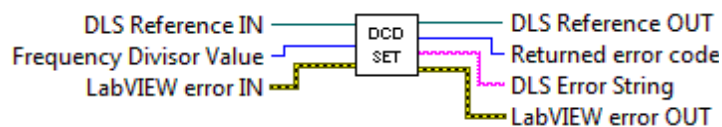
**DCD\_Set** – Set frequency divisor for the gathering.

### Description

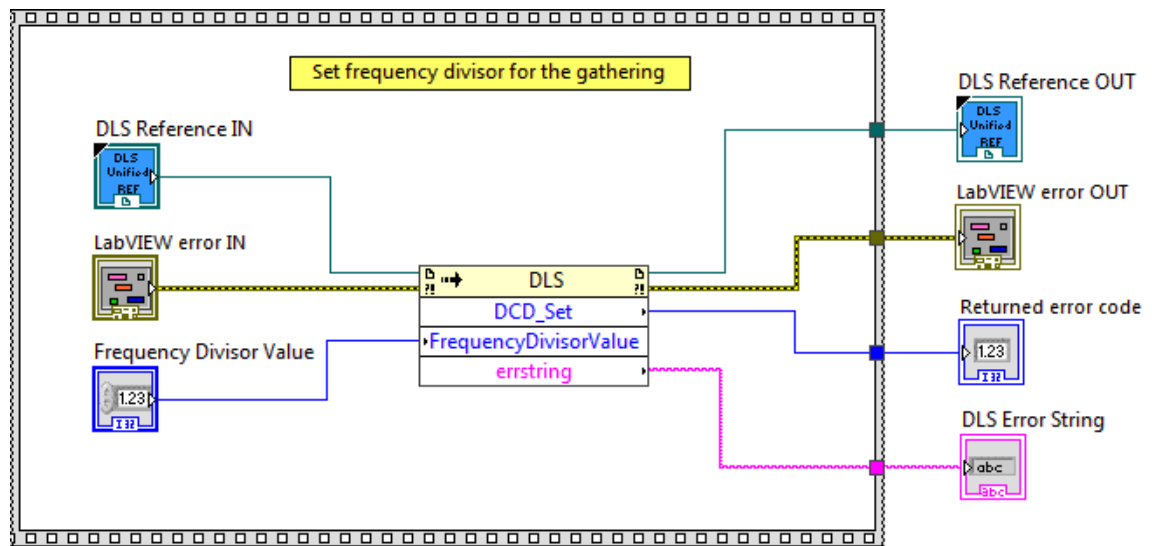
This function is used to set frequency divisor for the gathering

### Connector Pane

#### LWDLS\_DCD\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Frequency Divisor Value** Frequency divisor value



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.14 DCM\_Get

### Name

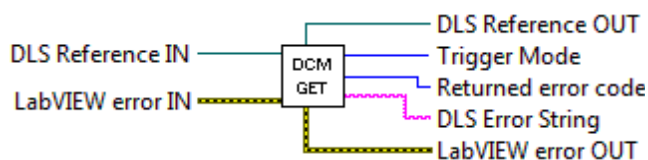
**DCM\_Get** – Get the trigger mode for the gathering.

### Description

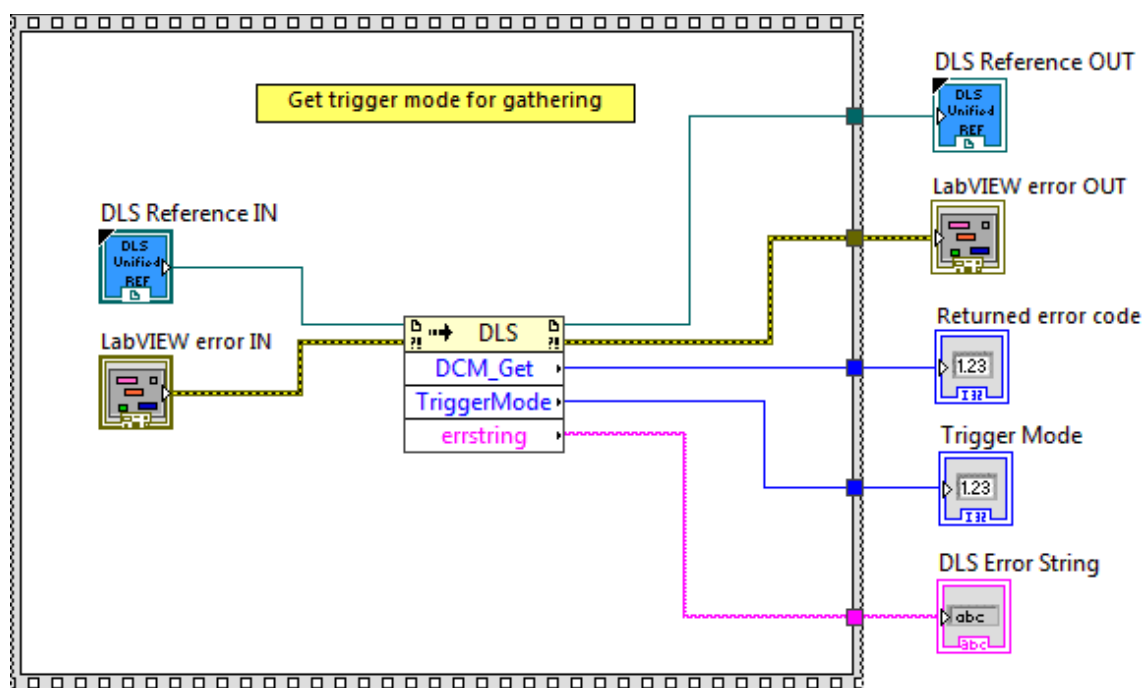
This function is used to get the trigger mode for the gathering.

## Connector Pane





**LWDLS\_DCM\_Get.vi**



## Screenshot




## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs.  
This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard

error out functionality.

 **Returned Error Code** Returns function error code

 **Trigger Mode** Trigger mode

 **DLS Error String** return error string from VI

## 2.15 DCM\_Set

### Name

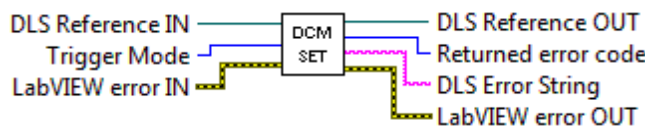
**DCM\_Set** – Set the trigger mode for the gathering.

### Description

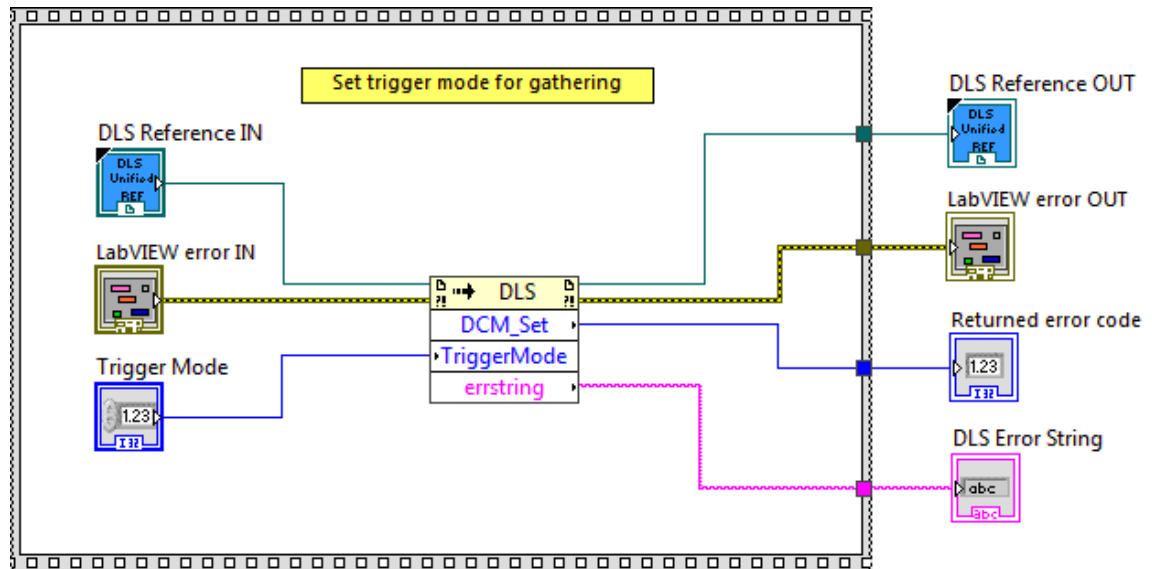
This function is used to set the trigger mode for the gathering.

### Connector Pane








#### LWDLS\_DCM\_Set.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Trigger Mode** Trigger mode
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.16 DCN\_Get

### Name

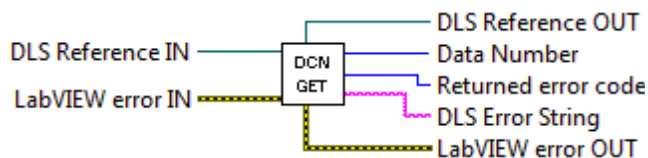
**DCN\_Get** – Get number of data points to be gathered.

## Description

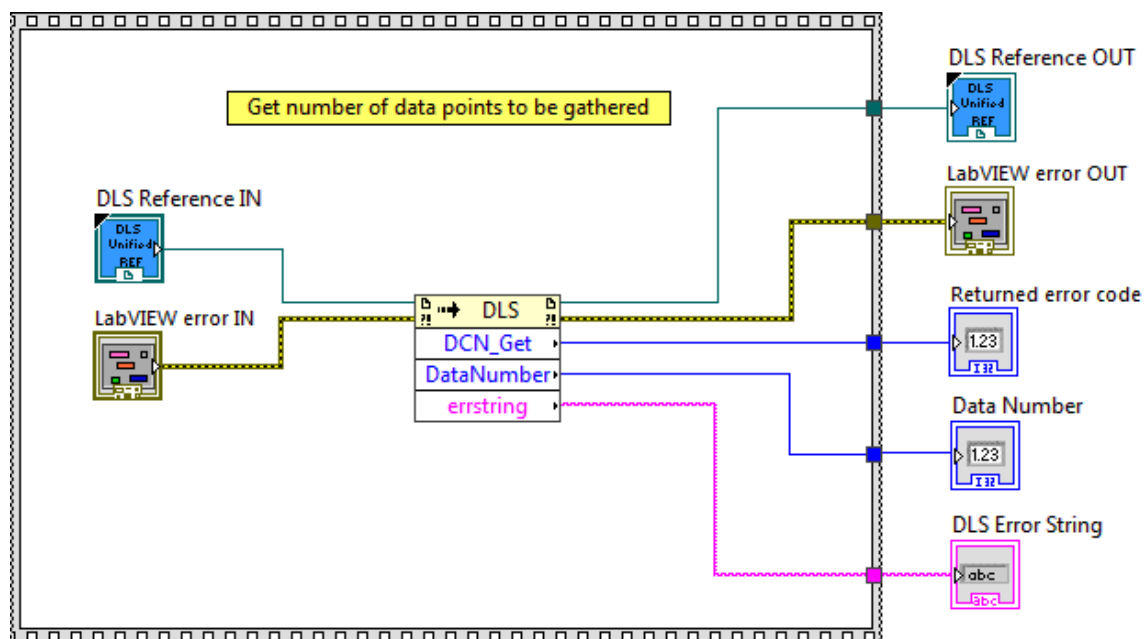
This function is used to get number of data points to be gathered.

## Connector Pane

**LWDLS\_DCN\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference




**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.

 **Returned Error Code** Returns function error code

 **Data Number** Data number

 **DLS Error String** return error string from VI

## 2.17 DCN\_Set

### Name

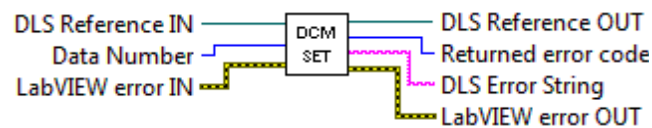
**DCN\_Set** – Set number of data points to be gathered.

### Description

This function is used to set number of data points to be gathered.

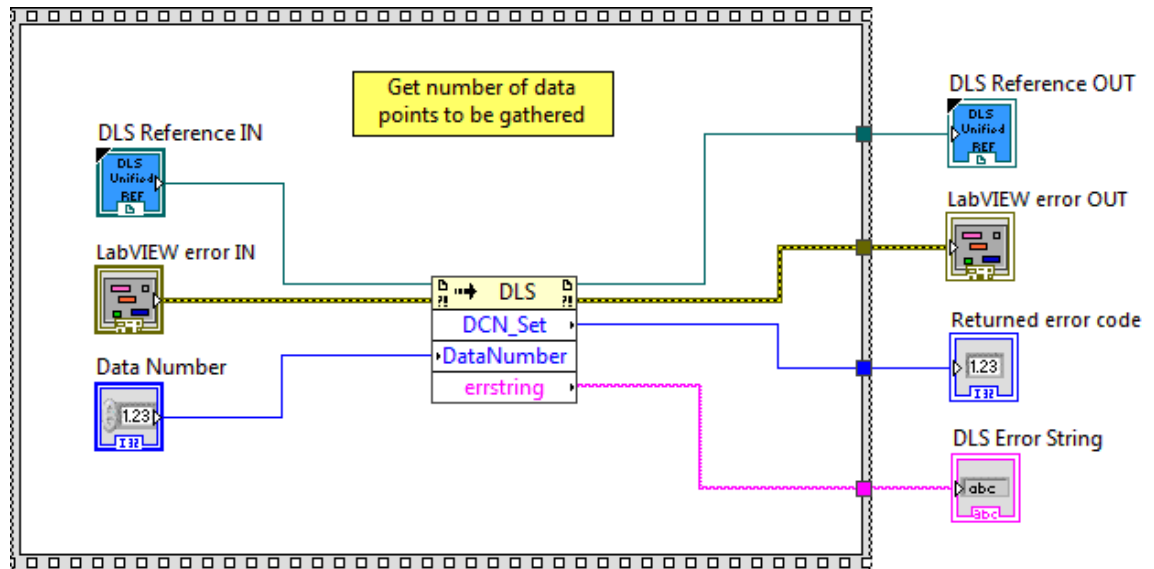
### Connector Pane

#### LWDLS\_DCN\_Set.vi










### Screenshot





### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Data Number** Data number
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.18 DCS\_Get

### Name

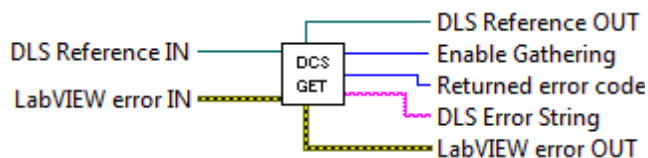
**DCS\_Get** – Enable/Disable gathering or get gathering status.

## Description

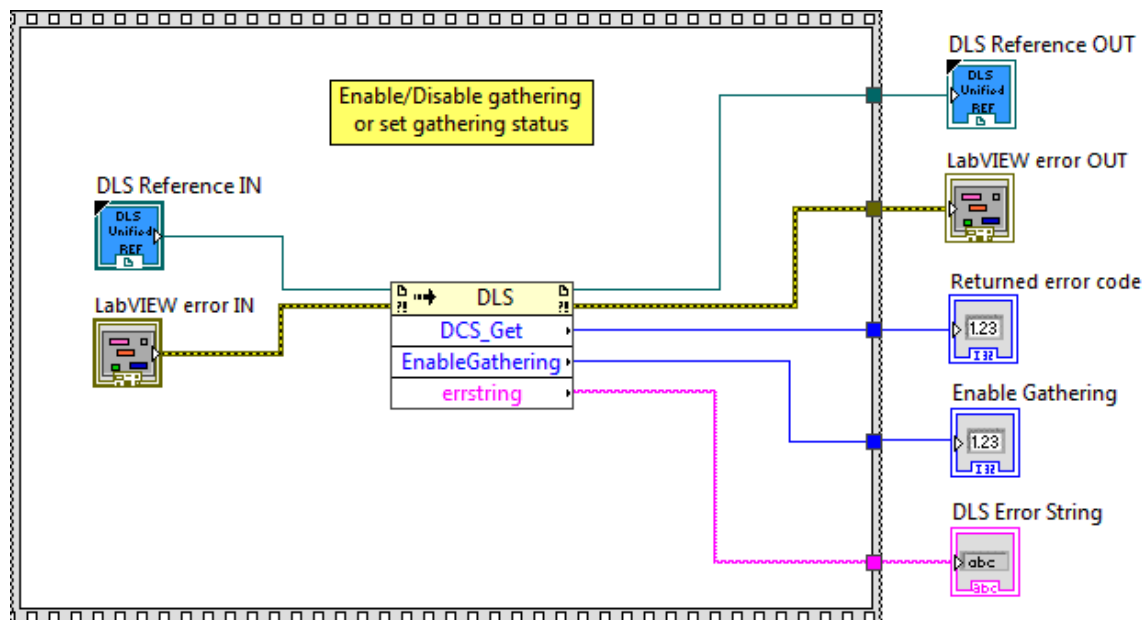
This function is used to Enable/Disable gathering or get gathering status

## Connector Pane

**LWDLS\_DCS\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.






**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.

-  **Returned Error Code** Returns function error code
-  **Enable Gathering** Enable gathering
-  **DLS Error String** return error string from VI

## 2.19 DCS\_Set

### Name

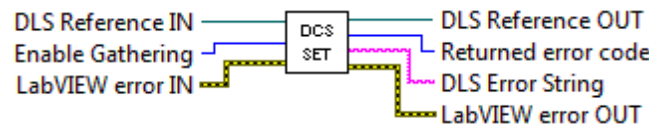
DCS\_Set – Enable/Disable gathering or get gathering status.

### Description

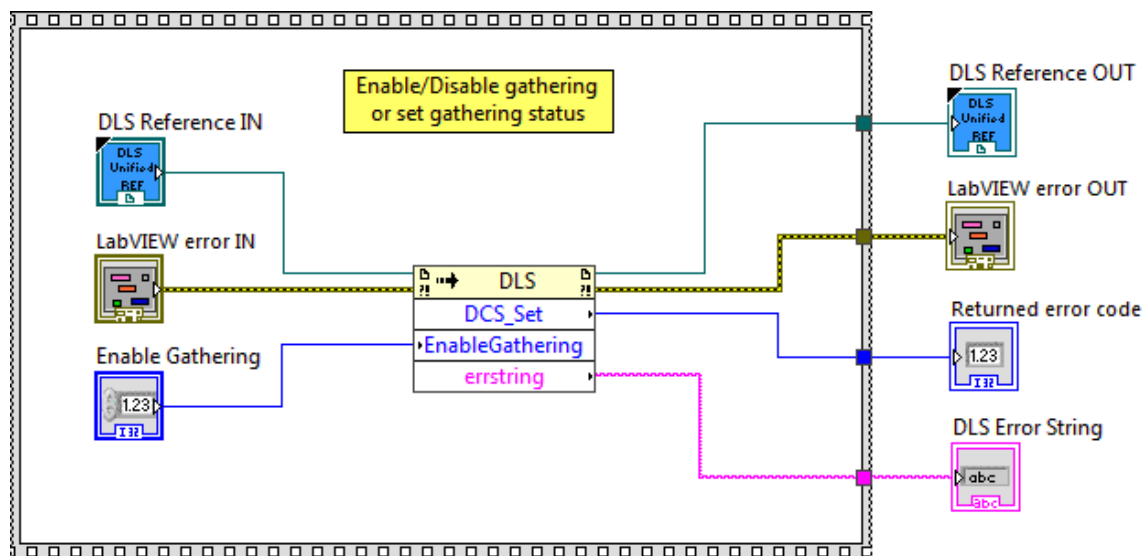
This function is used to Enable/Disable gathering or get gathering status.

### Connector Pane

LWDLS\_DCS\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Enable Gathering** Enable gathering



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.20 DCT

### Name

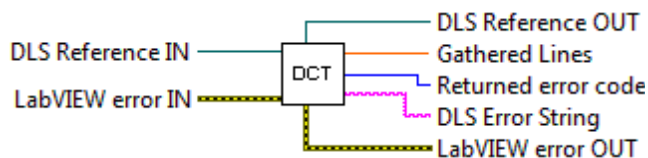
**DCT** – Get all gathered lines.

## Description

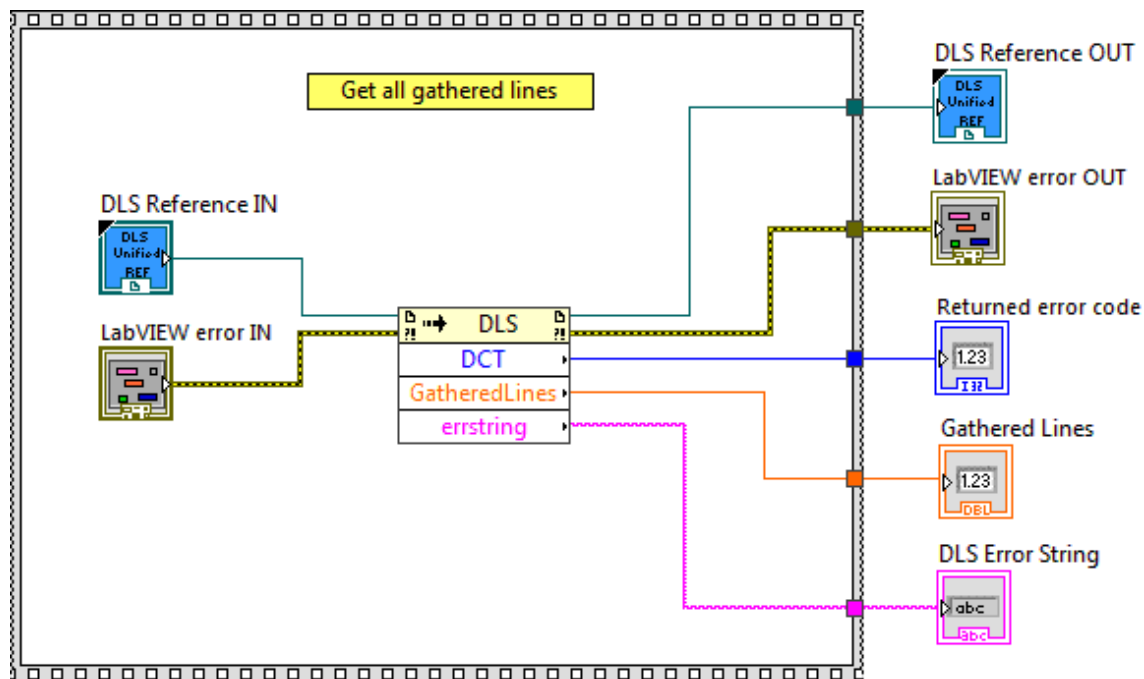
This function is used to get all gathered lines.

## Connector Pane

**LWDLS\_DCT.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference







**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Gathered Lines** Gathered lines
-  **DLS Error String** return error string from VI

## 2.21 DCV\_Get

### Name

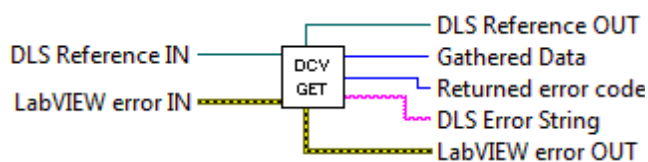
**DCV\_Get** – Get the data to be gathered with a 7-bits decimal value.

### Description

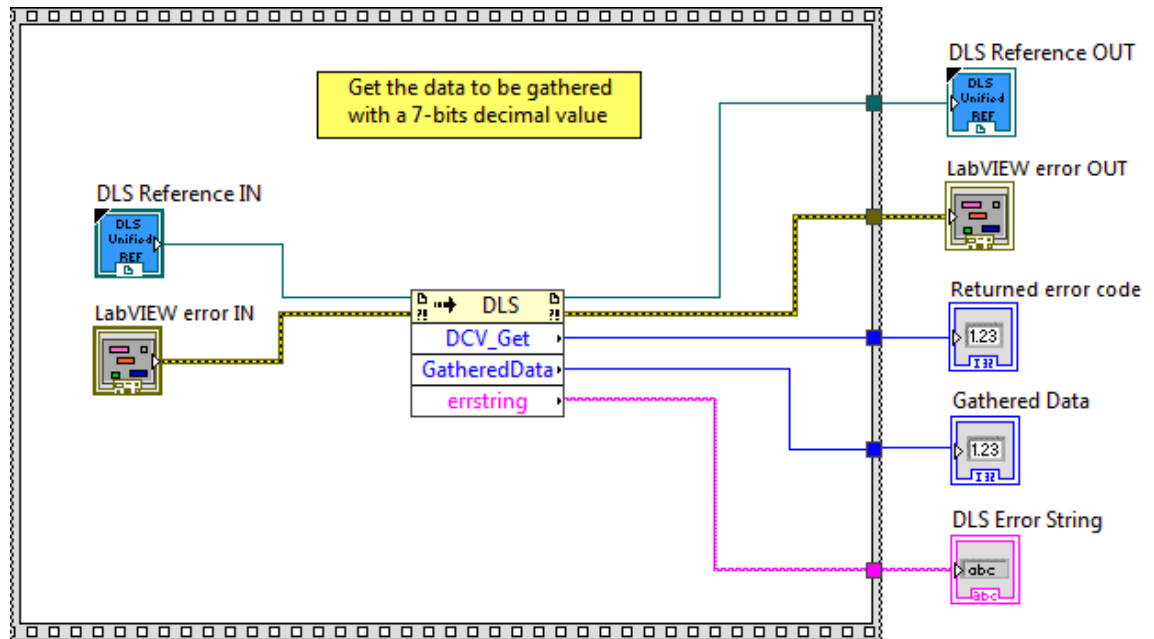
This function is used to get the data to be gathered with a 7-bits decimal value.

### Connector Pane

#### LWDLS\_DCV\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Gathered Data** Gathered data



**DLS Error String** return error string from VI

## 2.22 DCV\_Set

### Name

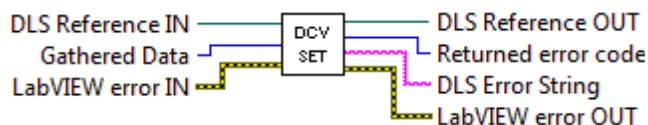
**DCV\_Set** – Set the data to be gathered with a 7-bits decimal value.

## Description

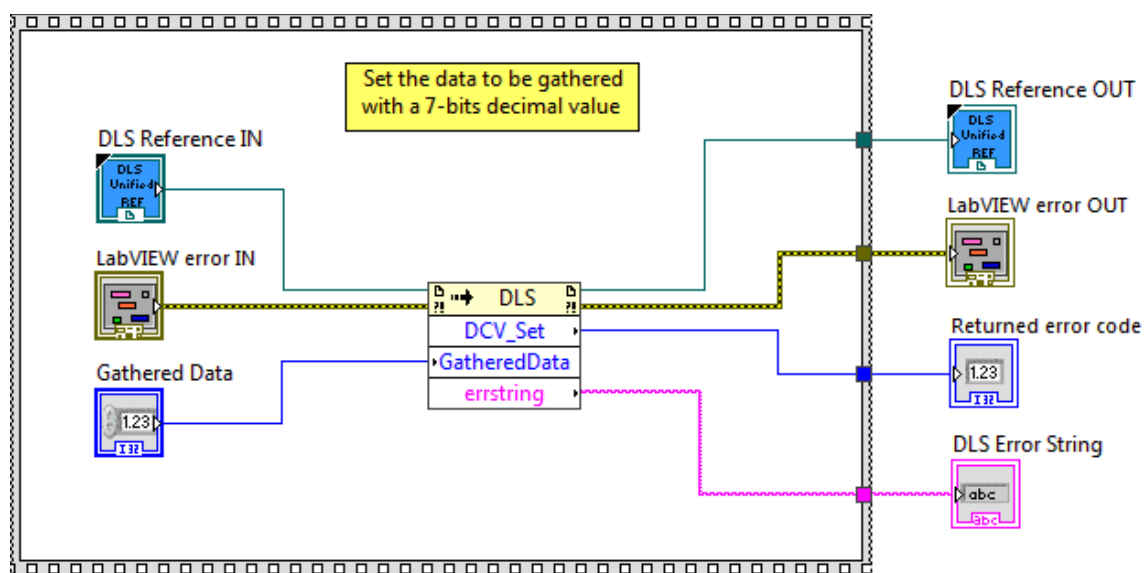
This function is used to set the data to be gathered with a 7-bits decimal value.

## Connector Pane

LWDLS\_DCV\_Set.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**Gathered Data** Gathered data




**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



 **Returned Error Code** Returns function error code

 **DLS Error String** return error string from VI

## 2.23 DV\_Get

### Name

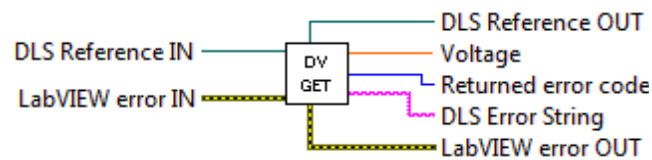
**DV\_Get** – Get driver voltage.

### Description

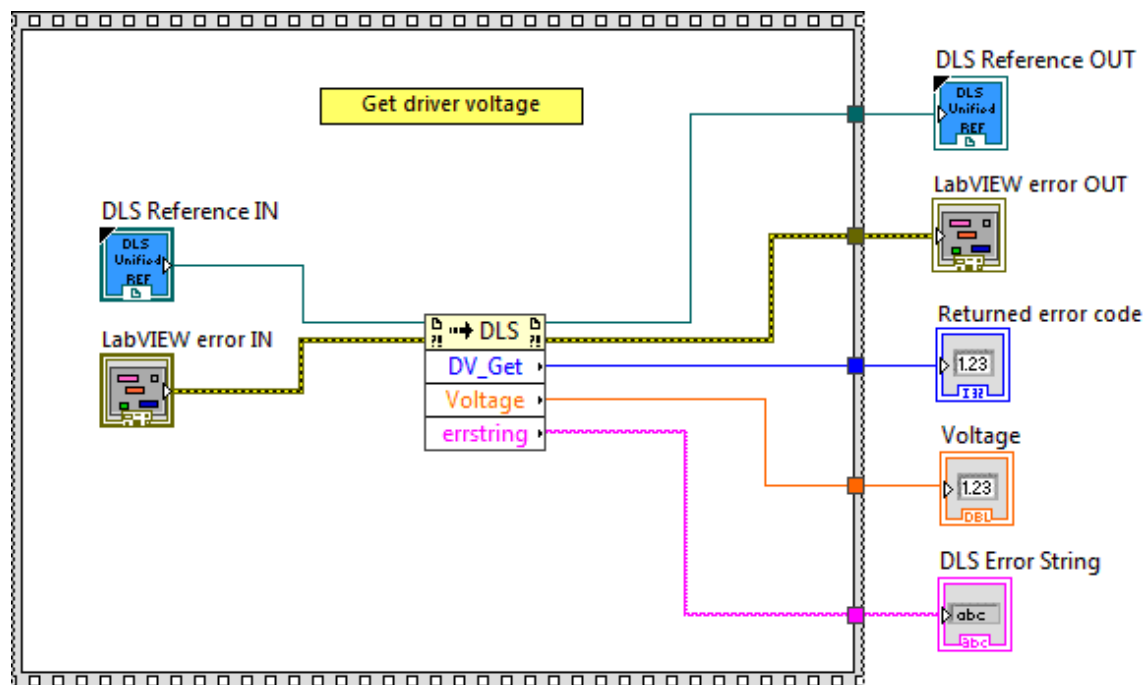
This function is used to get driver voltage.

### Connector Pane

#### LWDLS\_DV\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Voltage** Voltage



**DLS Error String** return error string from VI

## 2.24 DV\_Set

### Name

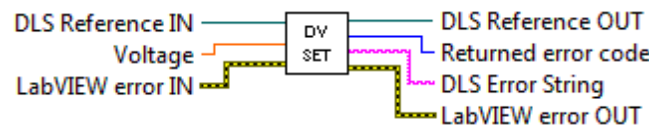
**DV\_Set** – Set driver voltage.

### Description

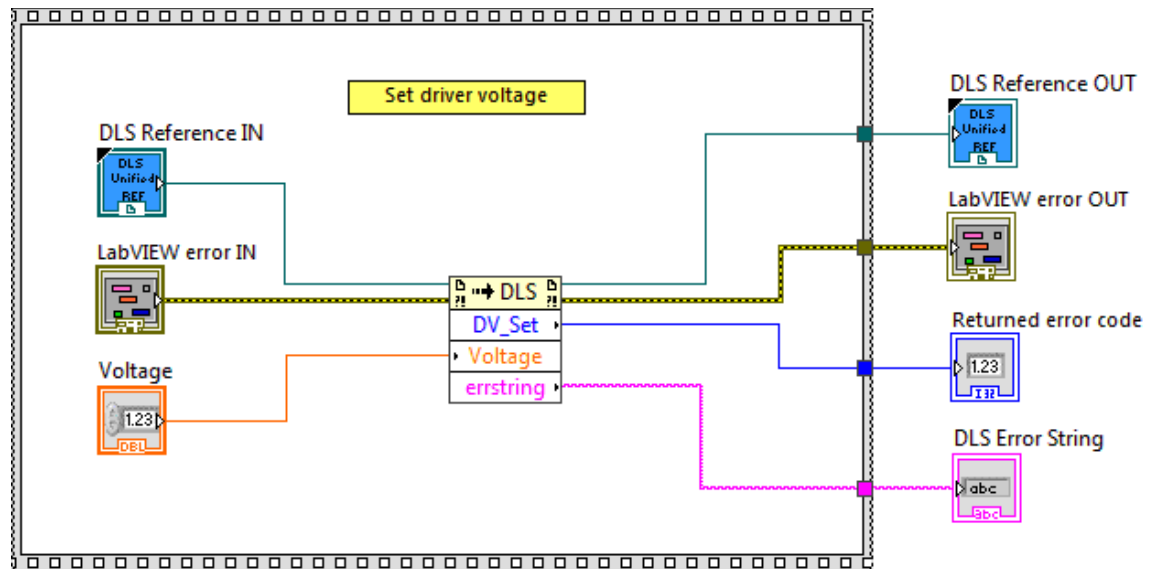
This function is used to set driver voltage.

### Connector Pane





#### LWDLS\_DV\_Set.vi






### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs.  
This input provides standard error in functionality.
-  **Voltage** Voltage
-  **DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.25 ENF\_Get

### Name

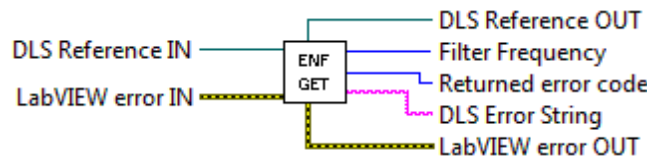
**ENF\_Get** – Get the Encoder position filter frequency.

### Description

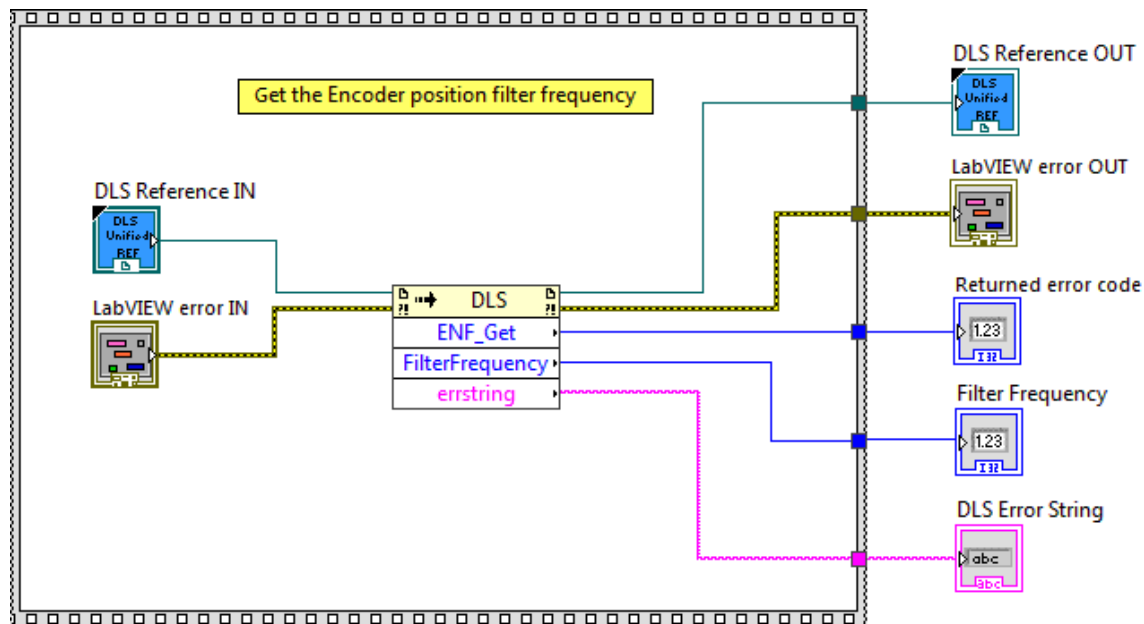
This function is used to get the Encoder position filter frequency.

### Connector Pane

#### LWDLS\_ENF\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Filter Frequency** Filter frequency



**DLS Error String** return error string from VI

## 2.26 ENF\_Set

### Name

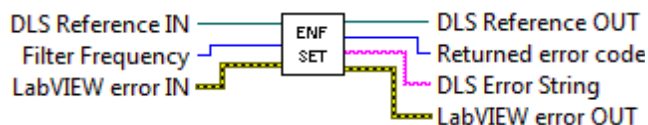
**ENF\_Set** – Set the Encoder position filter frequency.

## Description

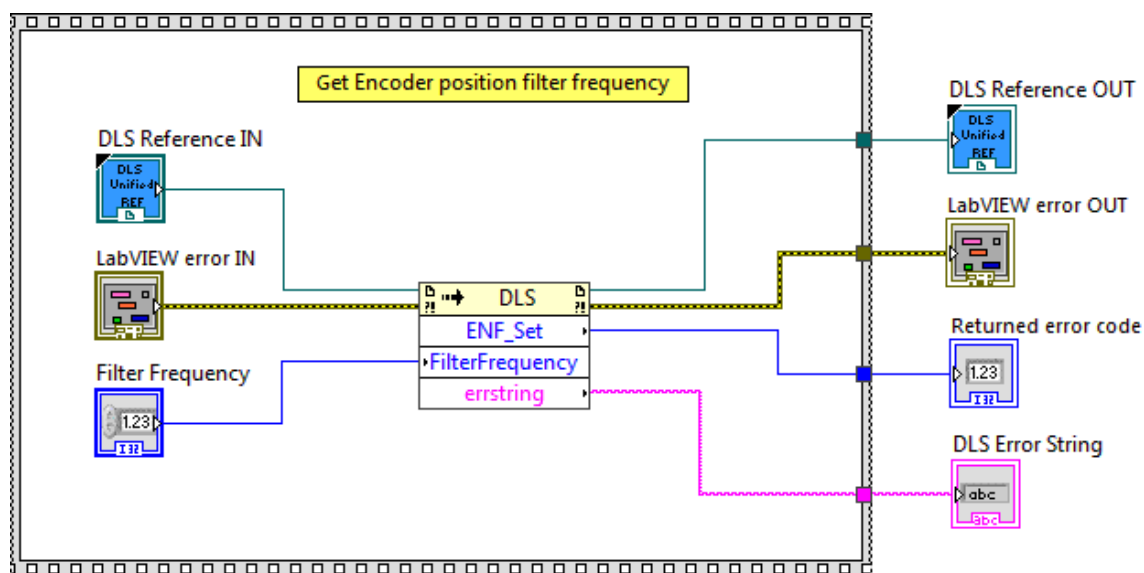
This function is used to set the Encoder position filter frequency.

## Connector Pane

### LWDLS\_ENF\_Set.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Filter Frequency** Filter frequency



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.27 ENP\_Get

### Name

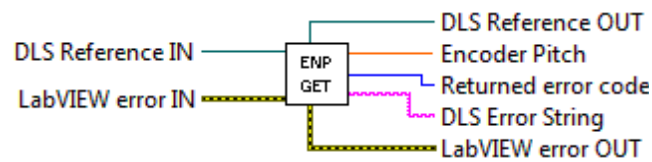
**ENP\_Get** – Get the encoder pitch.

### Description

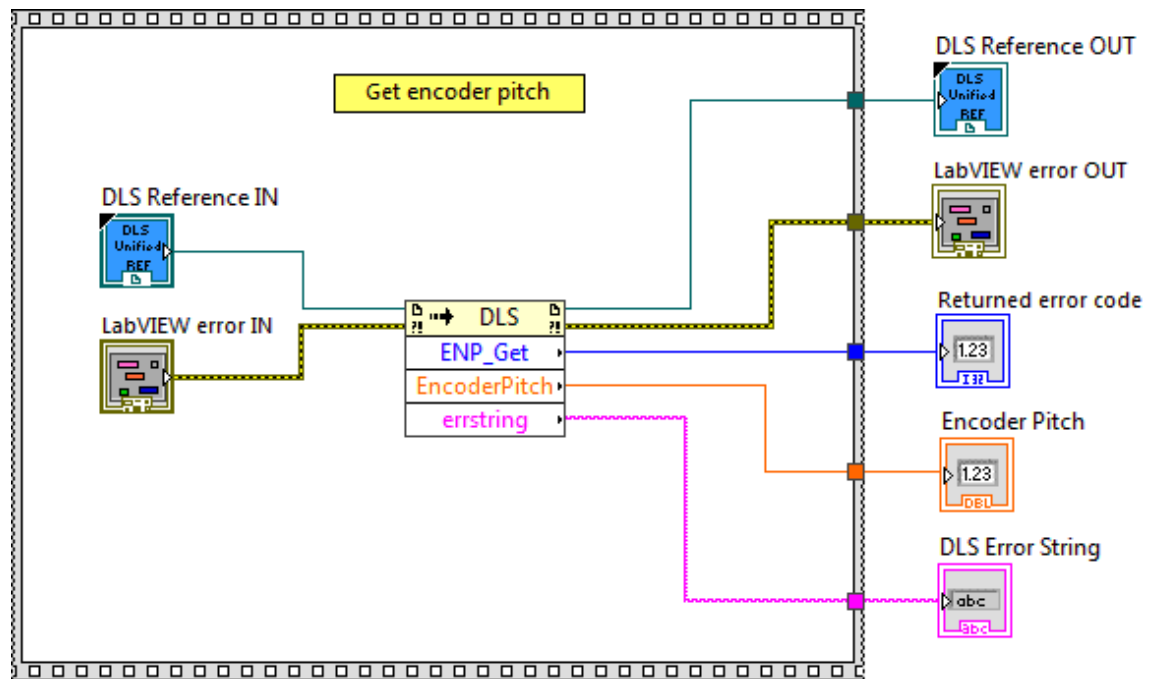
This function is used to get the encoder pitch.

### Connector Pane

LWDLS\_ENP\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Encoder Pitch** Encoder pitch



**DLS Error String** return error string from VI

## 2.28 ENP\_Set

### Name

**ENP\_Set** – Set the encoder pitch.

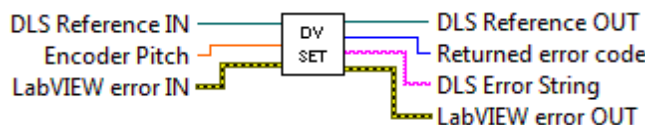


## Description

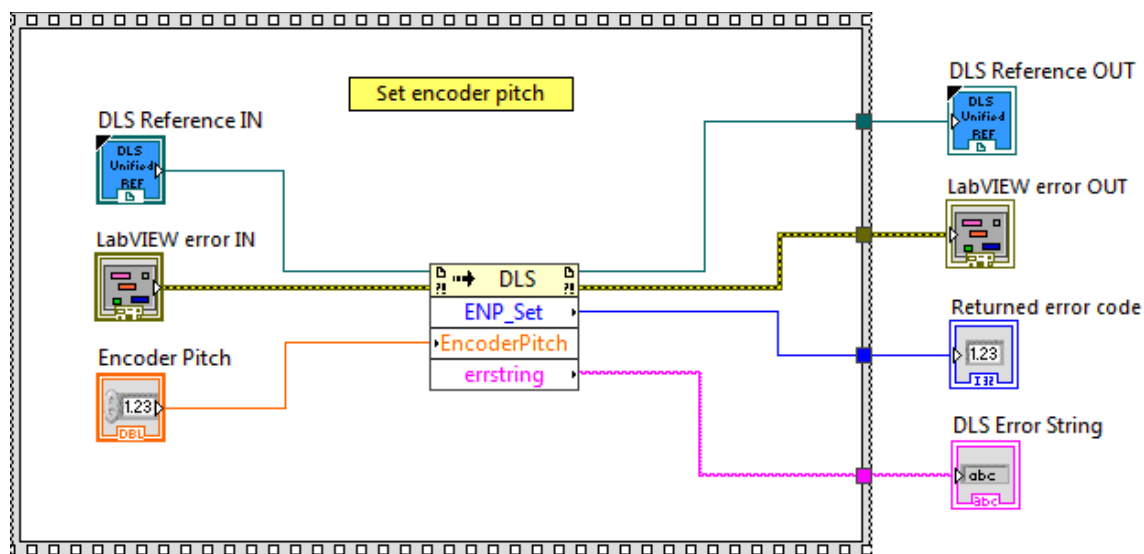
This function is used to set the encoder pitch.

## Connector Pane

**LWDLS\_ENP\_Set.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**Encoder Pitch** Encoder pitch



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.29 EQF\_Get

### Name

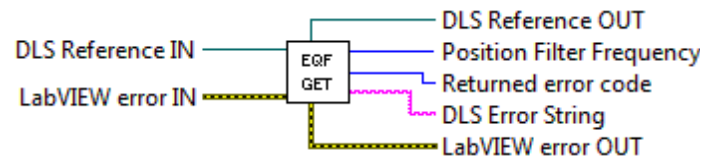
**EQF\_Get** – Get the position filter frequency.

### Description

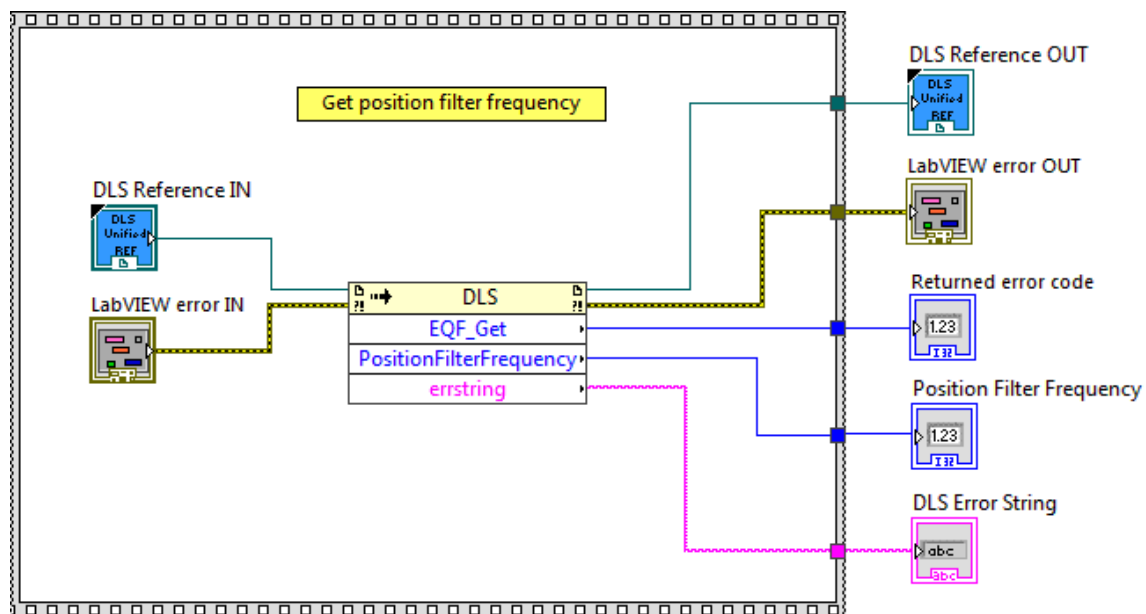
This function is used to get the position filter frequency.

### Connector Pane








LWDLS\_EQF\_Get.vi



### Screenshot



## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Position Filter Frequency** Position filter frequency
-  **DLS Error String** return error string from VI

## 2.30 EQF\_Set

### Name

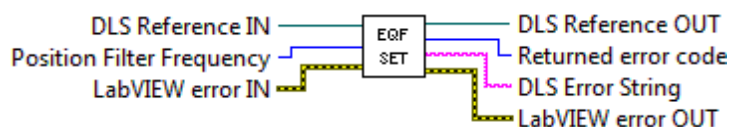
**EQF\_Set** – Set the position filter frequency.

## Description

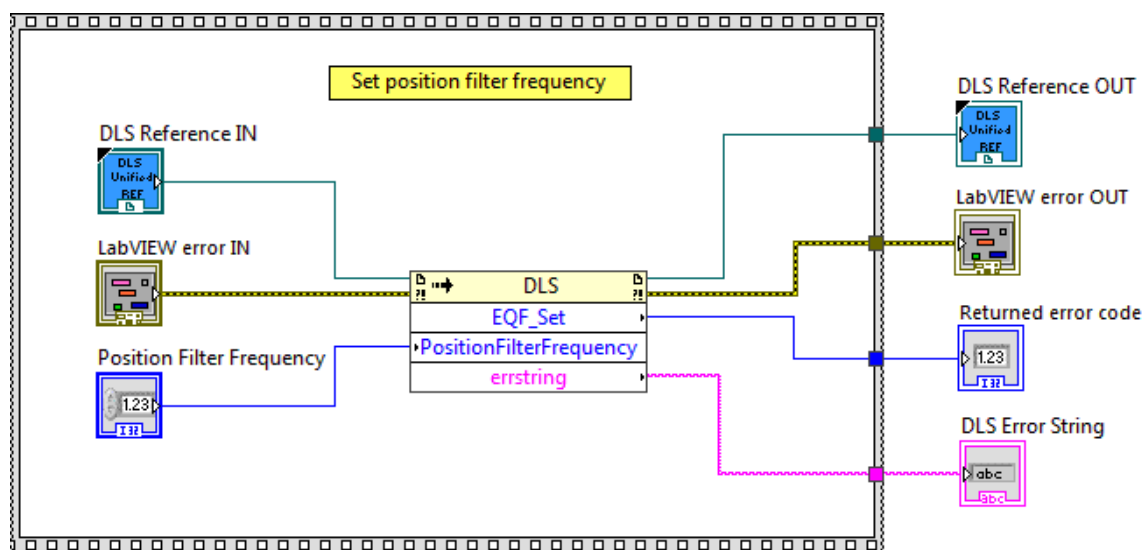
This function is used to set the position filter frequency.

## Connector Pane

### LWDLS\_EQF\_Set.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Position Filter Frequency** Position filter frequency




**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.

 **Returned Error Code** Returns function error code

 **DLS Error String** return error string from VI

## 2.31 EQP\_Get

### Name

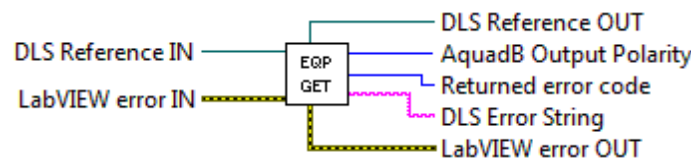
**EQP\_Get** – Get the AquadB output polarity.

### Description

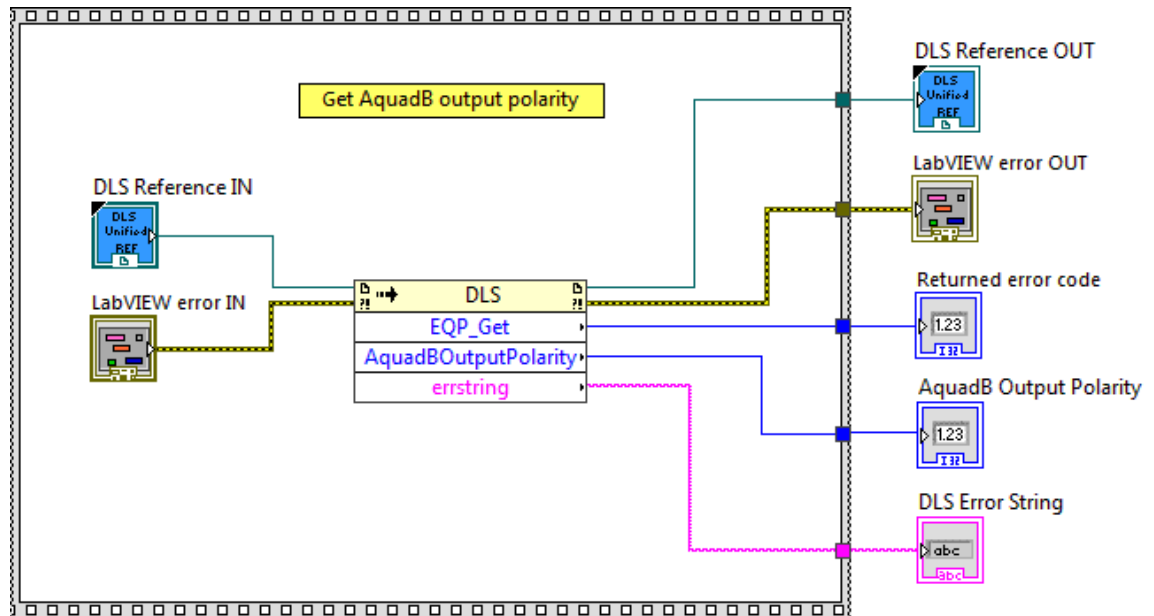
This function is used to get the AquadB output polarity.

### Connector Pane

LWDLS\_EQP\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**AquadB Output Polarity** AquadB output polarity



**DLS Error String** return error string from VI

## 2.32 EQP\_Set

### Name

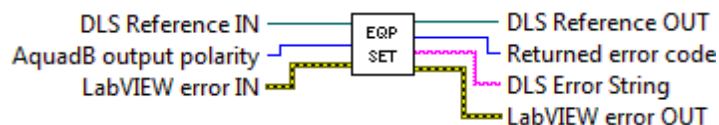
**EQP\_Set** – Set the AquadB output polarity.

## Description

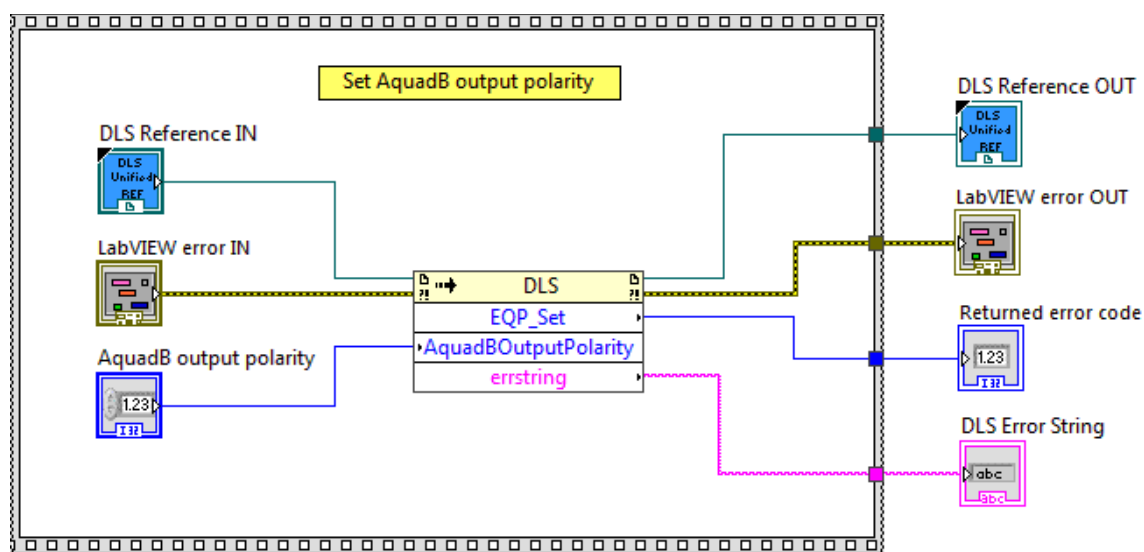
This function is used to set the AquadB output polarity.

## Connector Pane

LWDLS\_EQP\_Set.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**AquadB Output Polarity** AquadB output polarity




**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.

 **Returned Error Code** Returns function error code

 **DLS Error String** return error string from VI

### 2.33 EQR\_Get

#### Name

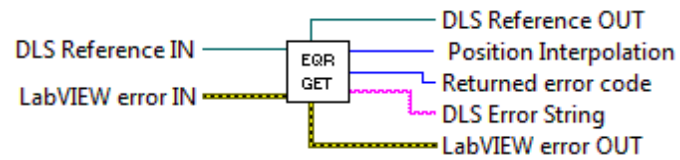
**EQR\_Get** – Get the position interpolation.

#### Description

This function is used to get the position interpolation.

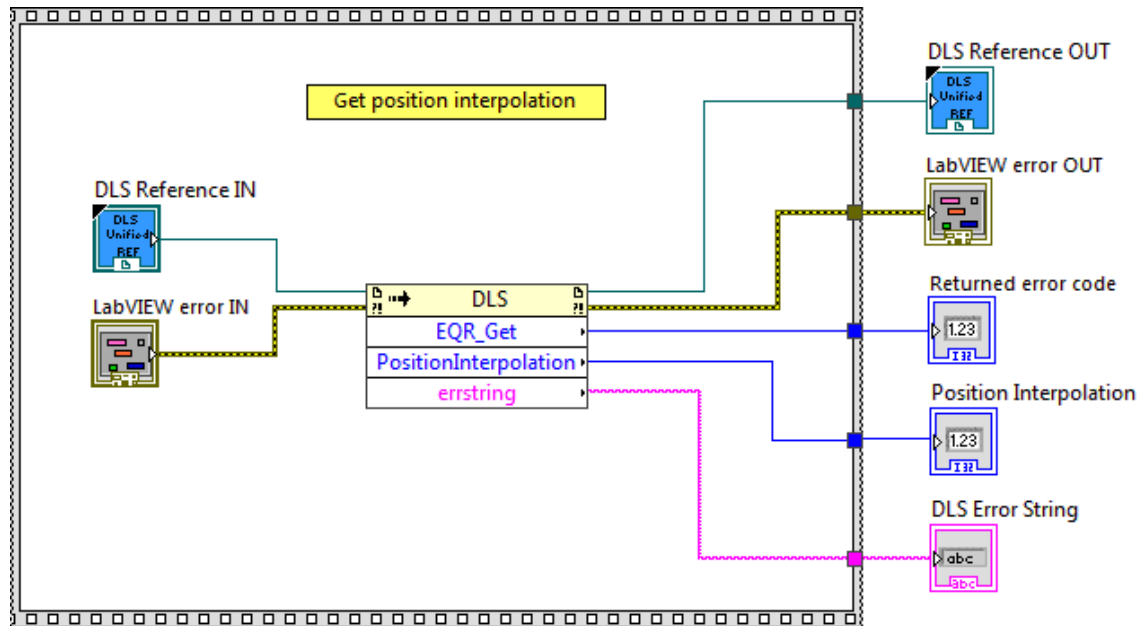
#### Connector Pane

**LWDLS\_EQR\_Get.vi**










#### Screenshot





### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs.  
This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Position Interpolation** Position interpolation
-  **DLS Error String** return error string from VI

## 2.34 EQR\_Set

### Name

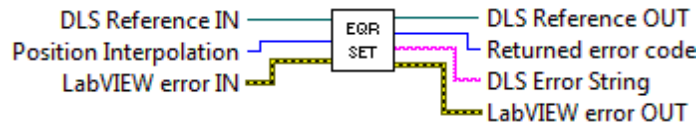
**EQR\_Set** – Set the position interpolation.

## Description

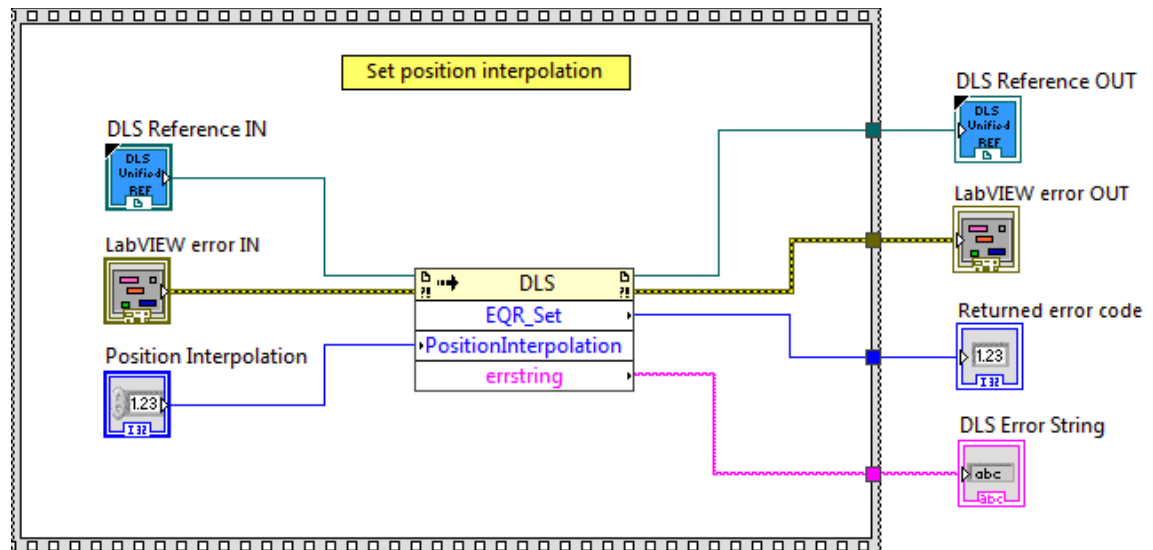
This function is used to set the position interpolation.

## Connector Pane

### LWDLS\_EQR\_Set.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**Position Interpolation** Position interpolation



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.35 FD\_Get

### Name

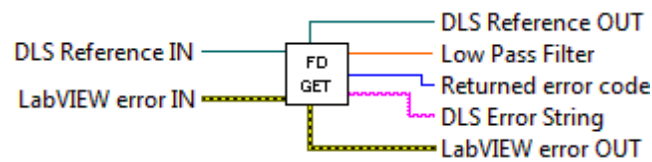
**FD\_Get** – Get low pass filter for Kd.

### Description

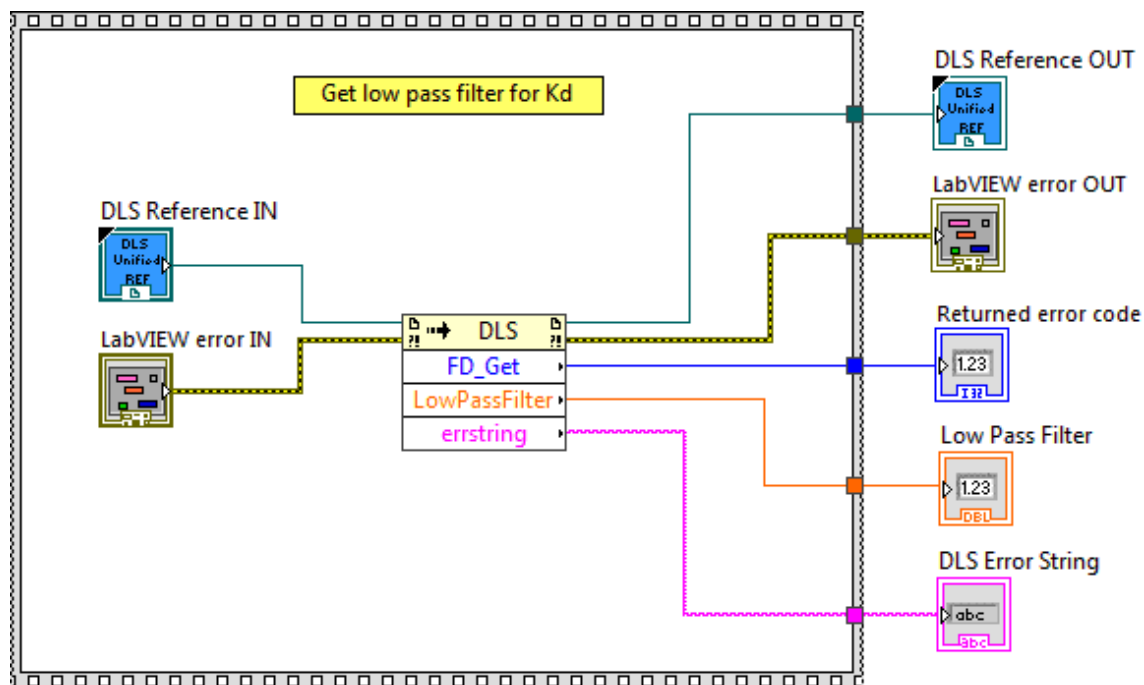
This function is used to get low pass filter for Kd.

### Connector Pane

LWDLS\_FD\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Low Pass Filter** Low pass filter



**DLS Error String** return error string from VI

## 2.36 FD\_Set

### Name

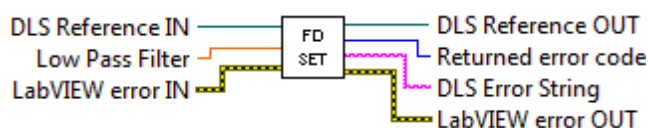
**FD\_Set** – Set low pass filter for Kd.

### Description

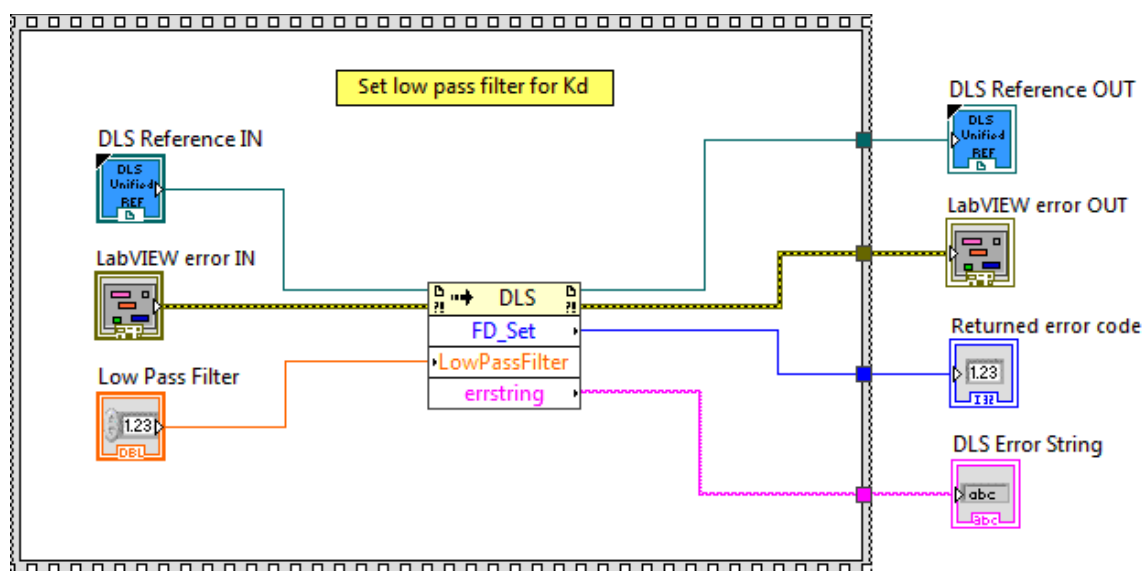
This function is used to set low pass filter for Kd.

### Connector Pane

#### LWDLS\_FD\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.


This input provides standard error in functionality.




**Low Pass Filter** Low pass filter



**DLS Reference OUT** returns DLS Reference

 **LabVIEW error OUT** contains error information. This output provides standard error out functionality.

 **Returned Error Code** Returns function error code

 **DLS Error String** return error string from VI

## 2.37 FE\_Get

### Name

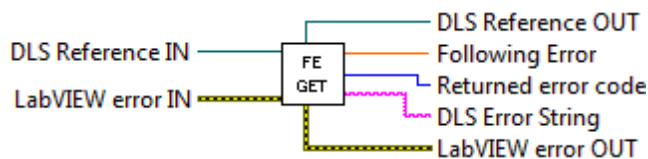
**FE\_Get** – Get following error limit.

### Description

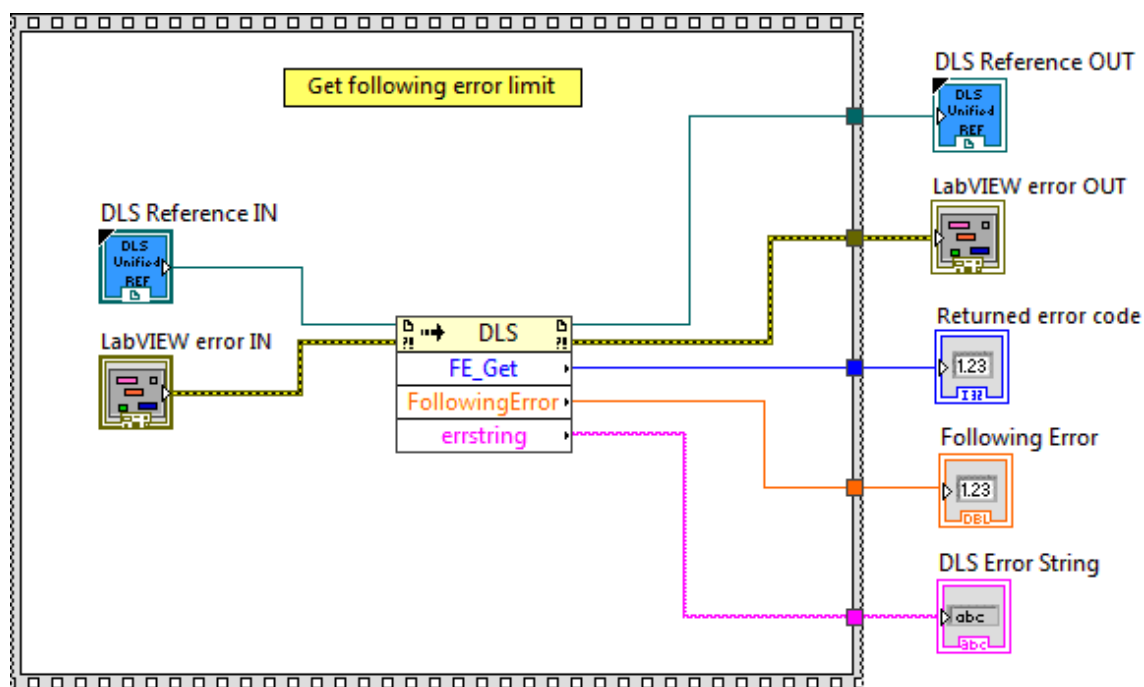
This function is used to get following error limit.

### Connector Pane

#### LWDLS\_FE\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Following Error** Following error



**DLS Error String** return error string from VI

## 2.38 FE\_Set

### Name

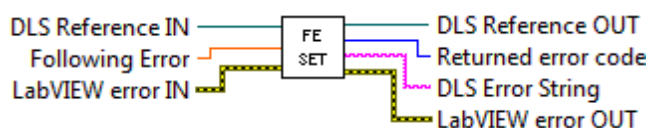
**FE\_Set** – Set following error limit.

### Description

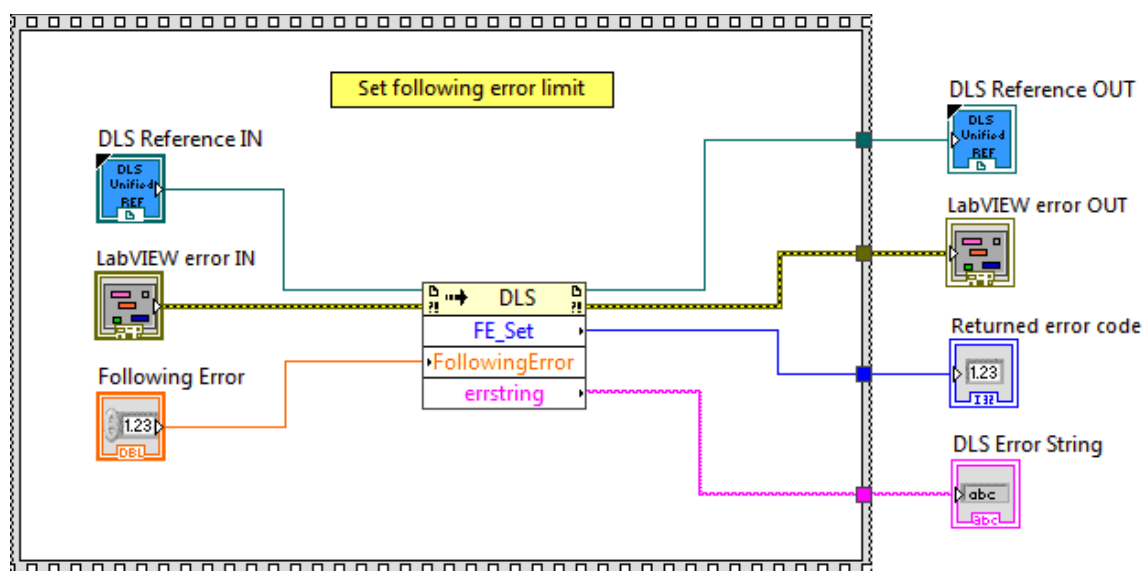
This function is used to set following error limit.

### Connector Pane

#### LWDLS\_FE\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.






**Following Error** Following error



**DLS Reference OUT** returns DLS Reference



-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

### 2.39 FF\_Get

#### Name

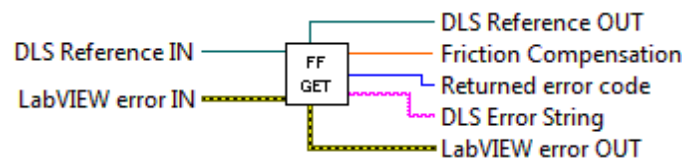
**FF\_Get** – Get friction compensation.

#### Description

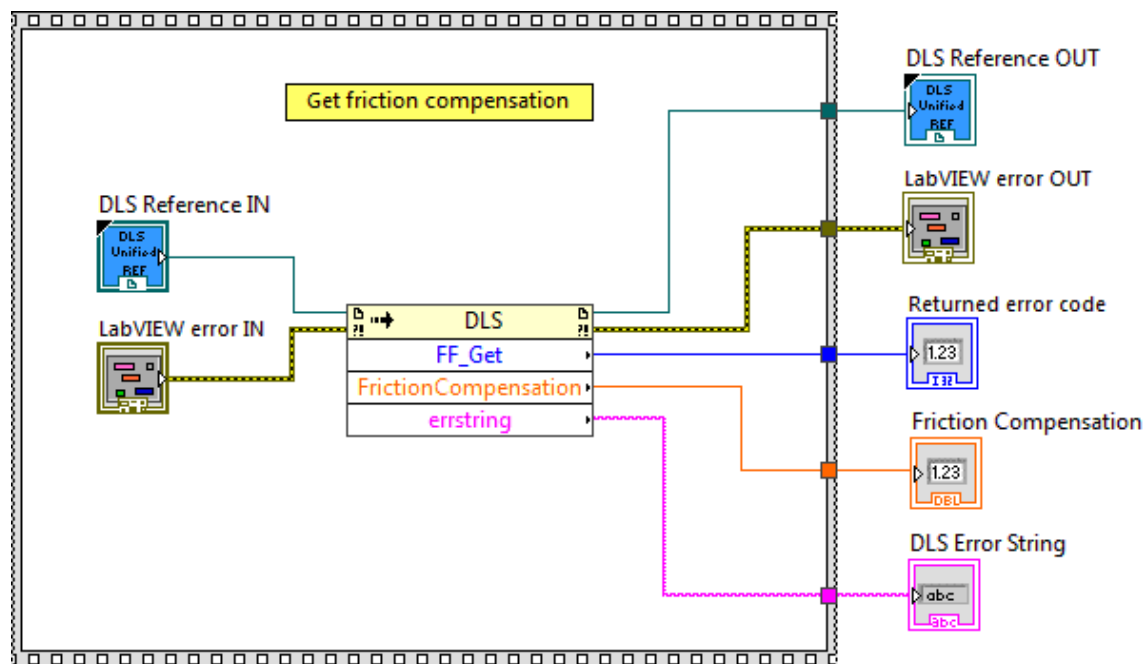
This function is used to get friction compensation.

#### Connector Pane








##### LWDLS\_FF\_Get.vi



#### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs.  
This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Friction Compensation** Friction compensation
-  **DLS Error String** return error string from VI

## 2.40 FF\_Set

### Name

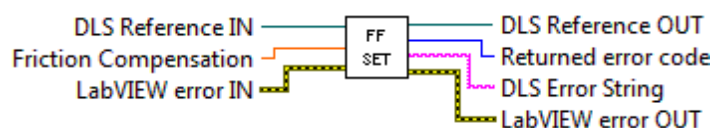
**FF\_Set** – Set friction compensation.

## Description

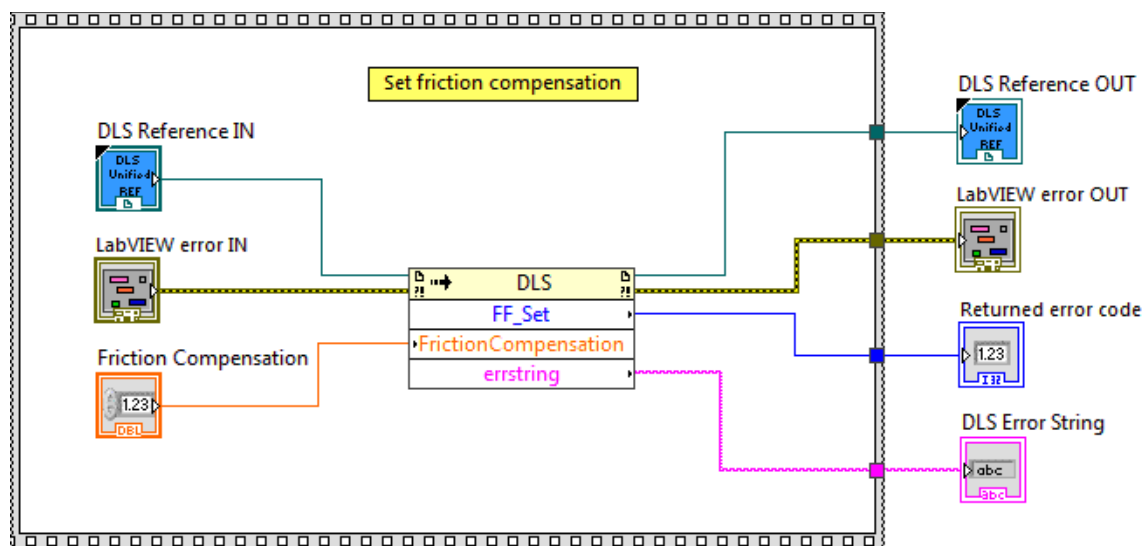
This function is used to set friction compensation.

## Connector Pane

**LWDLS\_FF\_Set.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference






**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Friction Compensation** Friction compensation



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.41 FL\_Get

### Name

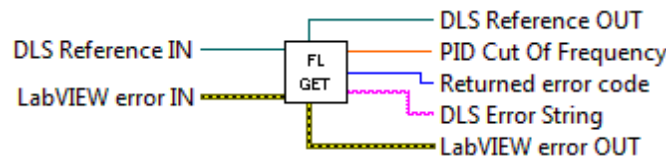
**FL\_Get** – Get PID cut of frequency.

### Description

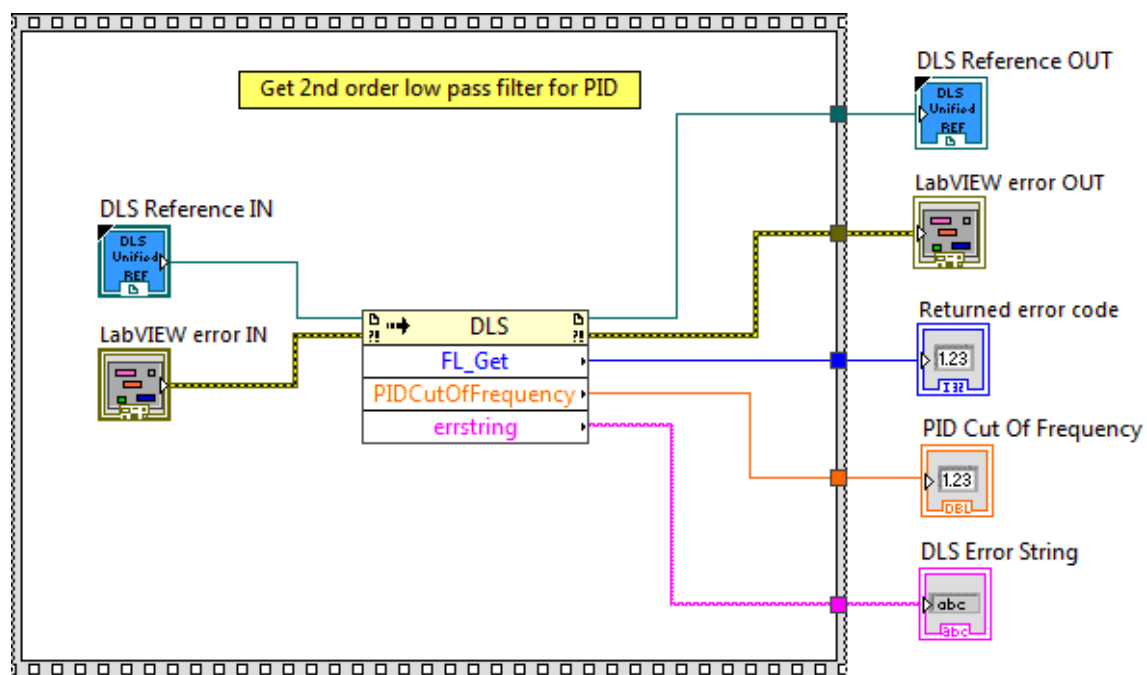
This function is used to get PID cut of frequency.

### Connector Pane








LWDLS\_FL\_Get.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs.  
This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **PID Cut Of Frequency** PID cut of frequency
-  **DLS Error String** return error string from VI

## 2.42 FL\_Set

### Name

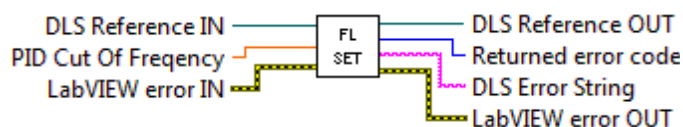
**FL\_Set** – Set PID cut of frequency.

## Description

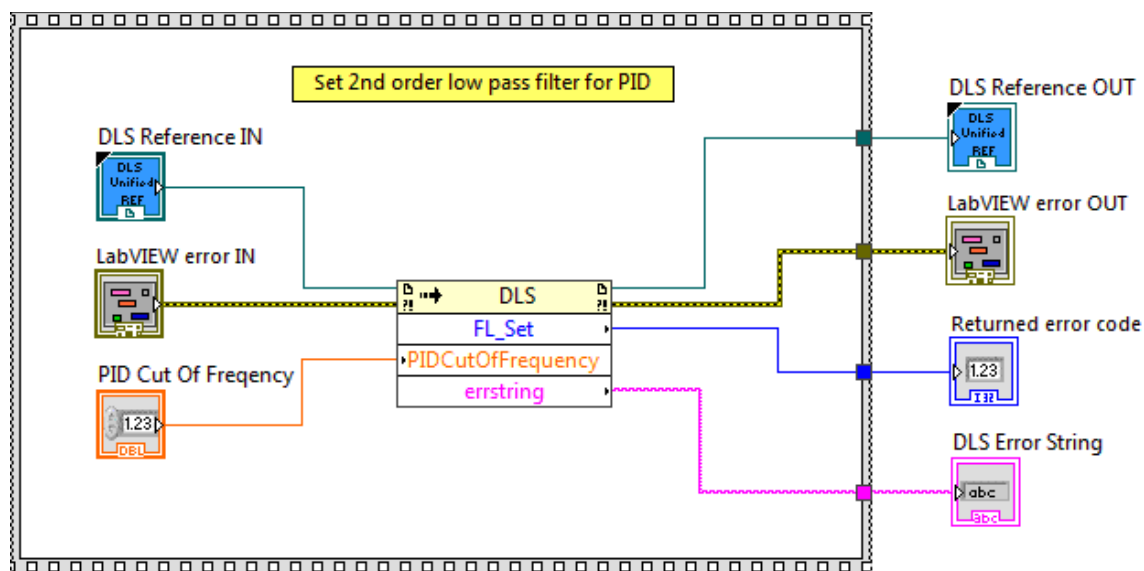
This function is used to set PID cut of frequency.

## Connector Pane

**LWDLS\_FL\_Set.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**PID Cut Of Frequency** PID cut of frequency



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.43 FMC\_Get

### Name

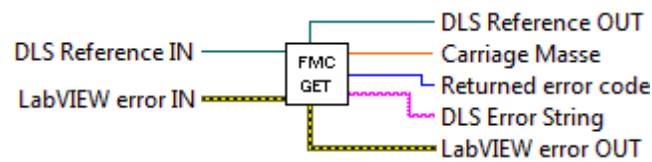
**FMC\_Get** – Get carriage masse.

### Description

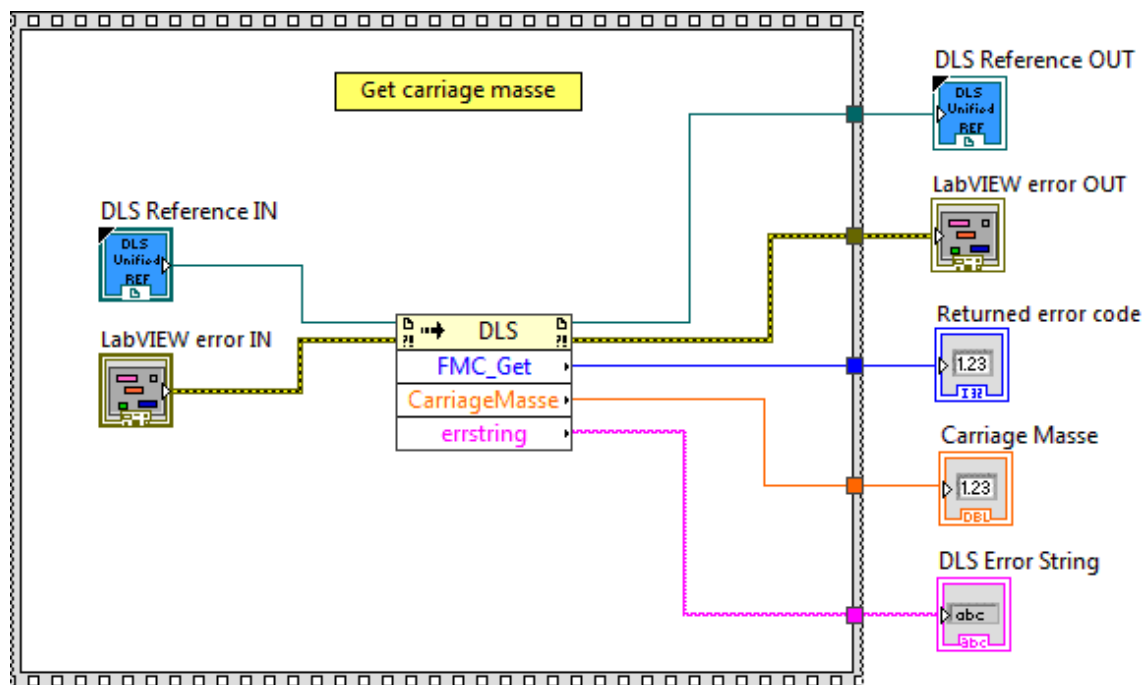
This function is used to get carriage masse.

### Connector Pane

LWDLS\_FMC\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Carriage Masse** Carriage masse



**DLS Error String** return error string from VI

## 2.44 FMC\_Set

### Name



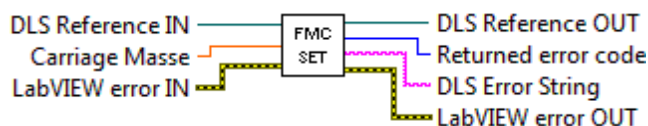
**FMC\_Set** – Set carriage masse.

### Description

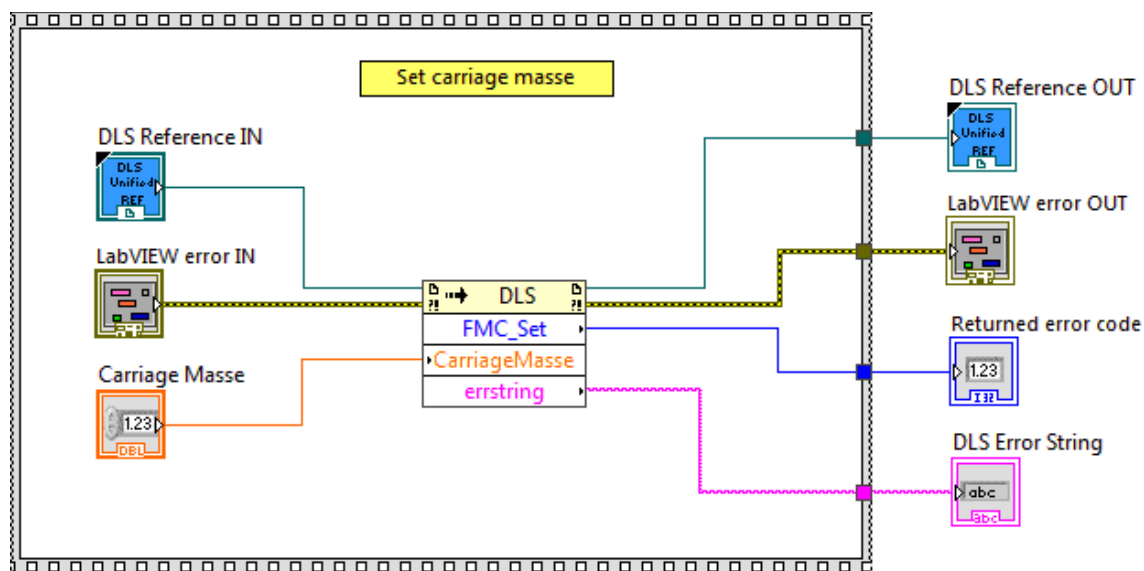
This function is used to set carriage masse.

### Connector Pane

#### LWDLS\_FMC\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.


This input provides standard error in functionality.




**Carriage Masse** Carriage masse



**DLS Reference OUT** returns DLS Reference

 **LabVIEW error OUT** contains error information. This output provides standard error out functionality.

 **Returned Error Code** Returns function error code

 **DLS Error String** return error string from VI

## 2.45 FML\_Get

### Name

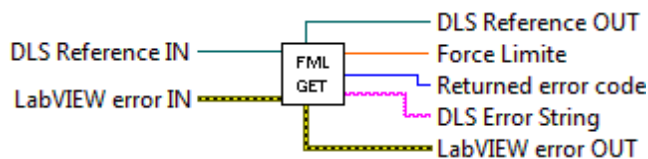
**FML\_Get** – Get force limite.

### Description

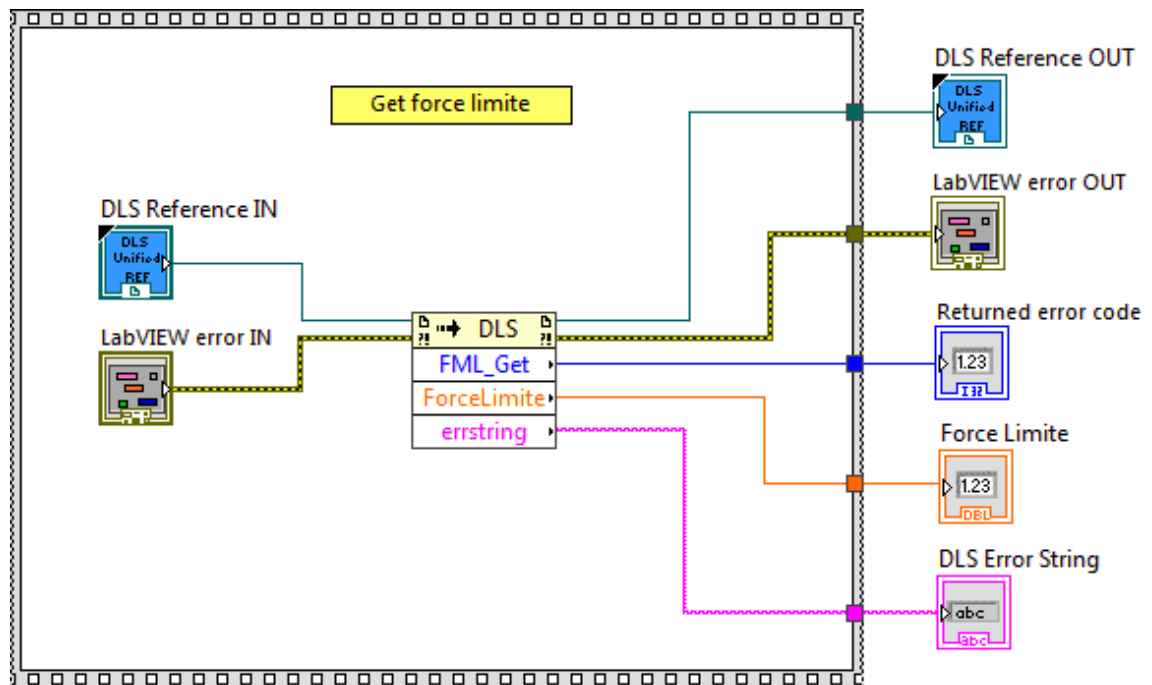
This function is used to get force limite.

### Connector Pane

**LWDLS\_FML\_Get.vi**



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Force Limite** Force limite



**DLS Error String** return error string from VI

## 2.46 FML\_Set

### Name

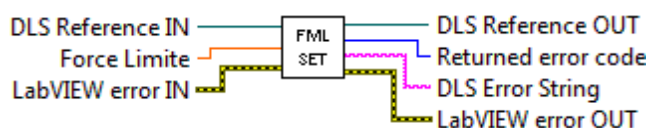
**FML\_Set** – Set force limite.

### Description

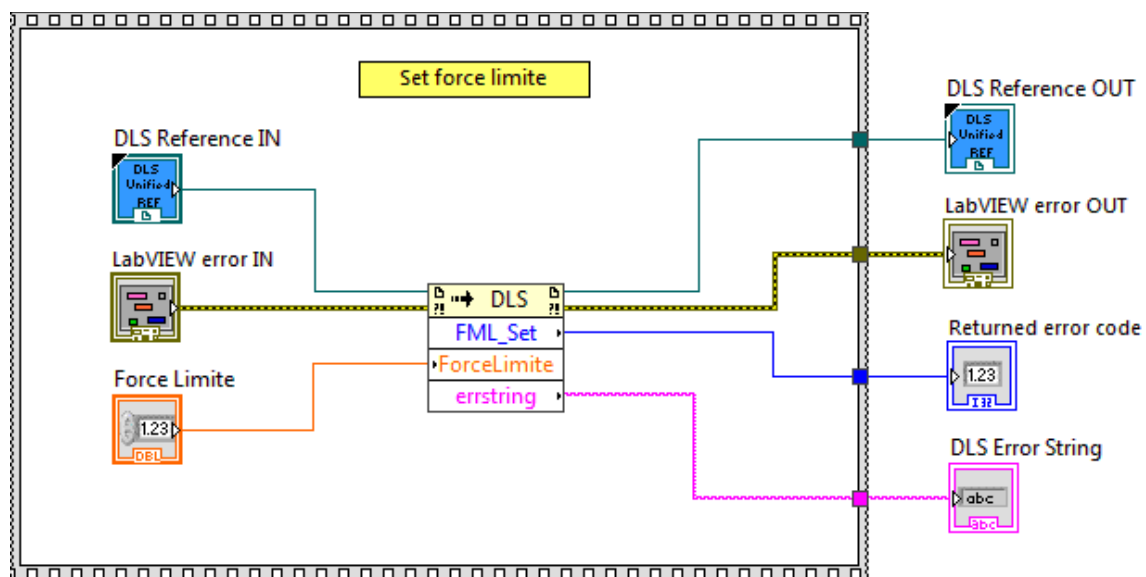
This function is used to set force limite.

### Connector Pane

#### LWDLS\_FML\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference







**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**Force Limite** Force limite

-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.47 FMP\_Get

### Name

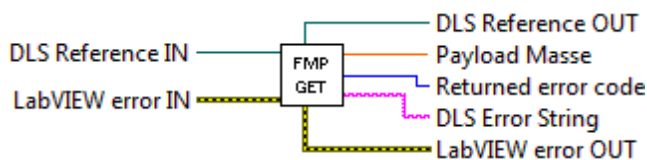
**FMP\_Get** – Get Payload Masse.

### Description

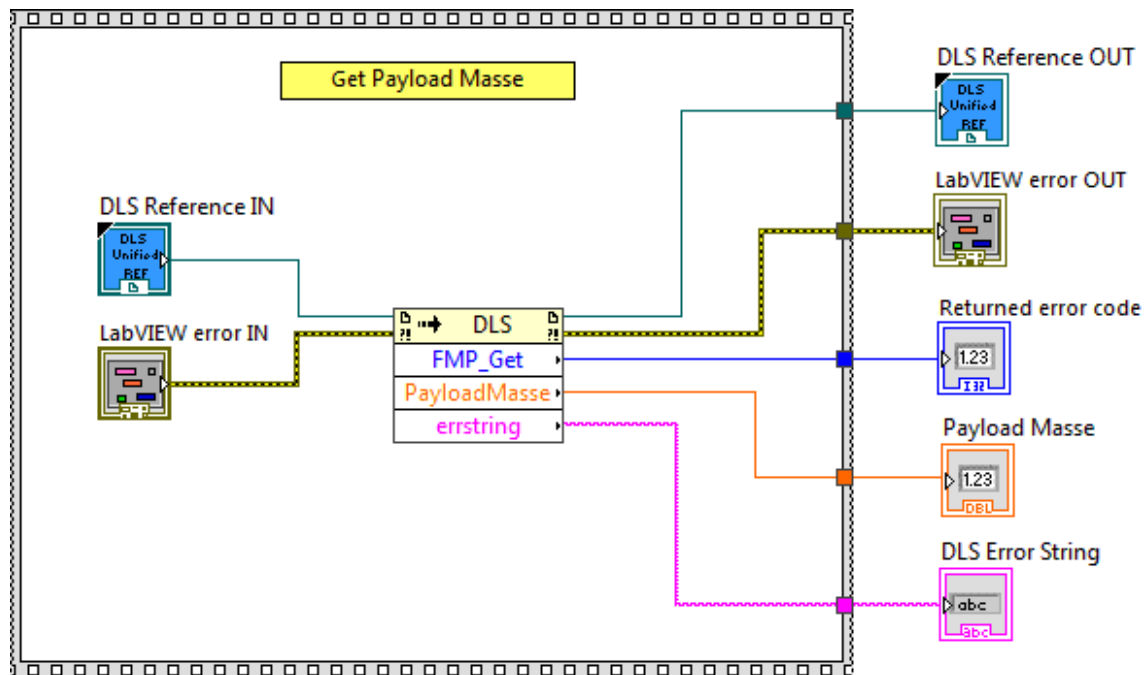
This function is used to get Payload Masse.

### Connector Pane








LWDLS\_FMP\_Get.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Payload Masse** Payload masse
-  **DLS Error String** return error string from VI

## 2.48 FMP\_Set

### Name

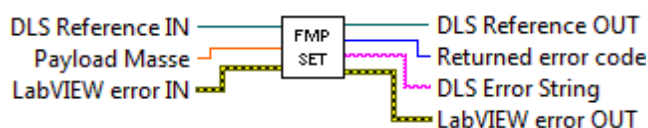
**FMP\_Set** – Set Payload Masse.

### Description

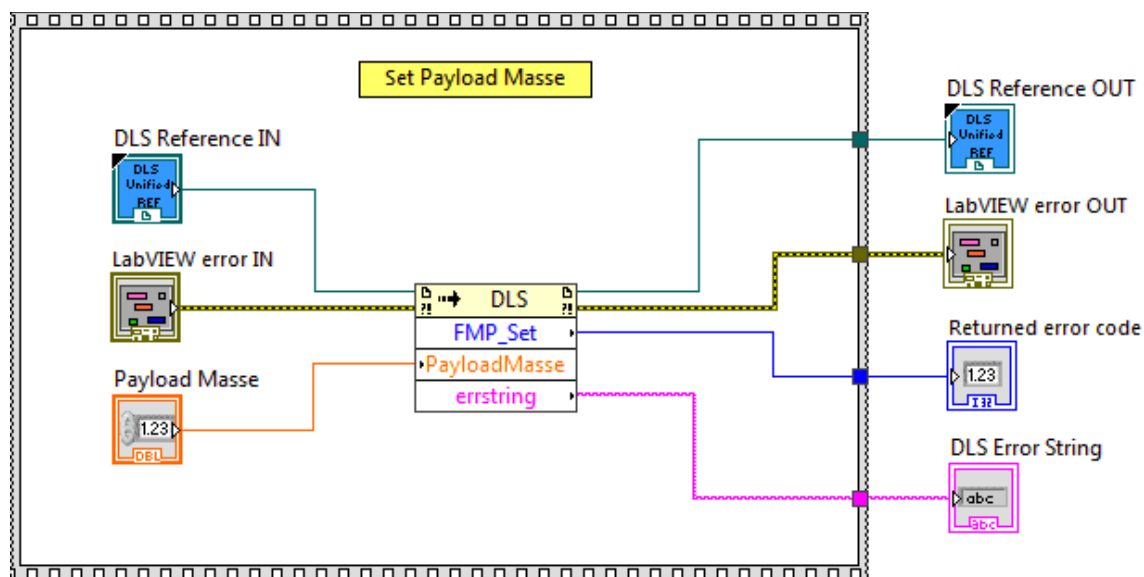
This function is used to set Payload Masse.

### Connector Pane

#### LWDLS\_FMP\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference







**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**Payload Masse** Payload masse

-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.49 FMS\_Get

### Name

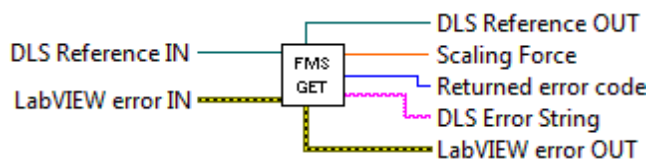
**FMS\_Get** – Get scaling force.

### Description

This function is used to get scaling force.

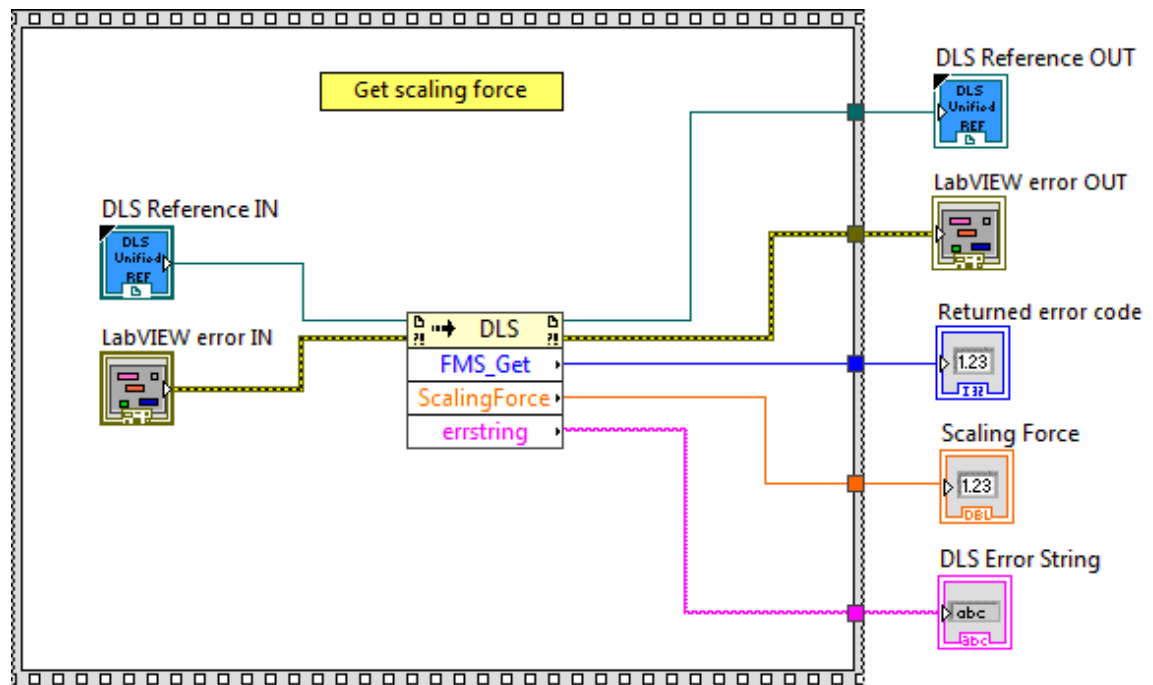
### Connector Pane

LWDLS\_FMS\_Get.vi










### Screenshot





### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs.  
This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Scaling Force** Scaling force
-  **DLS Error String** return error string from VI

## 2.50 FMS\_Set

### Name

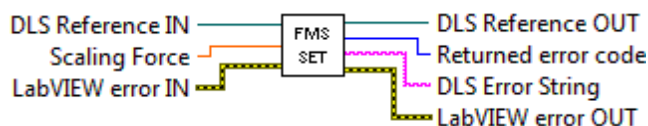
**FMS\_Set** – Set scaling force.

### Description

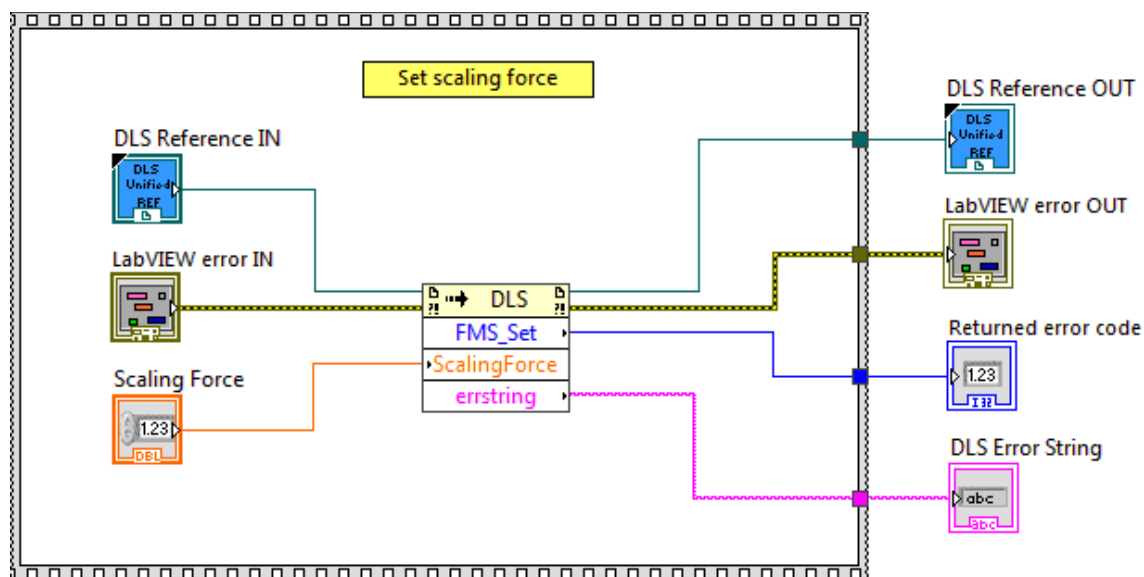
This function is used to set scaling force.

### Connector Pane

#### LWDLS\_FMS\_Set.vi



### Screenshot



### Controls and Indicators








**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.

-  **Scaling Force** Scaling force
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.51 FSM\_Get

### Name

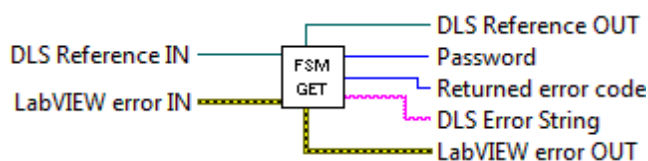
**FSM\_Get** – Send the password to allow factory settings or serial number modifications.

### Description

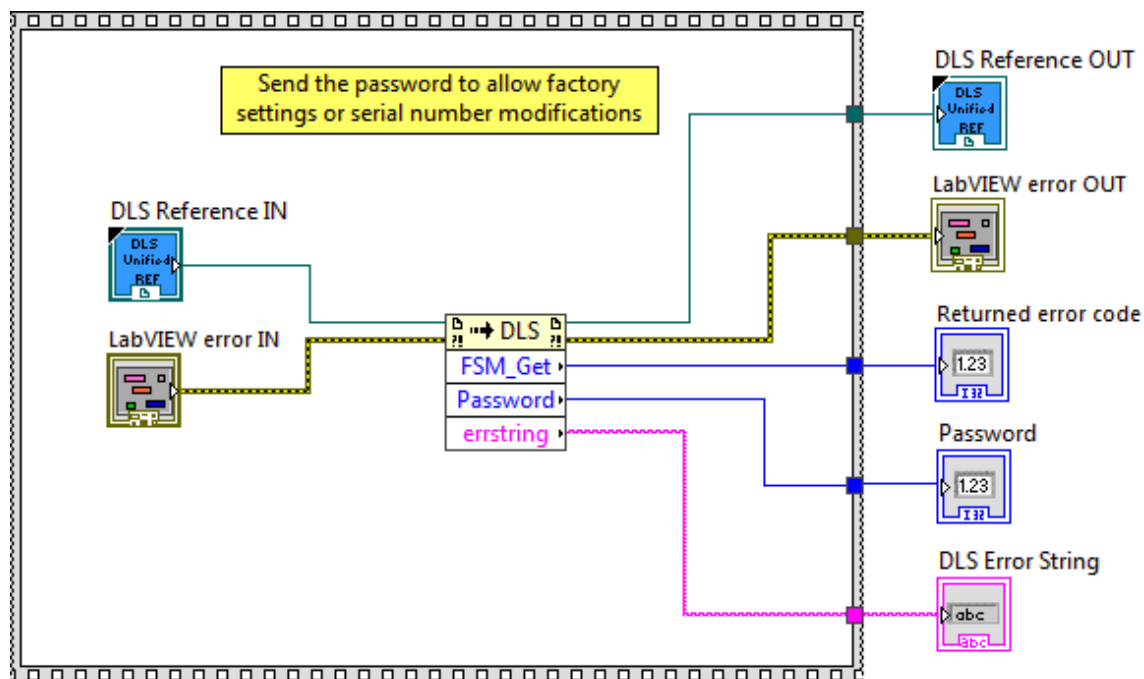
This function is used to send the password to allow factory settings or serial number modifications.

### Connector Pane








#### LWDLS\_FSM\_Get.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Password** Password
-  **DLS Error String** return error string from VI

## 2.52 FSM\_Set

### Name

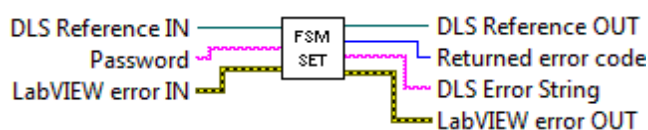
**FSM\_Set** – Send the password to allow factory settings or serial number modifications.

### Description

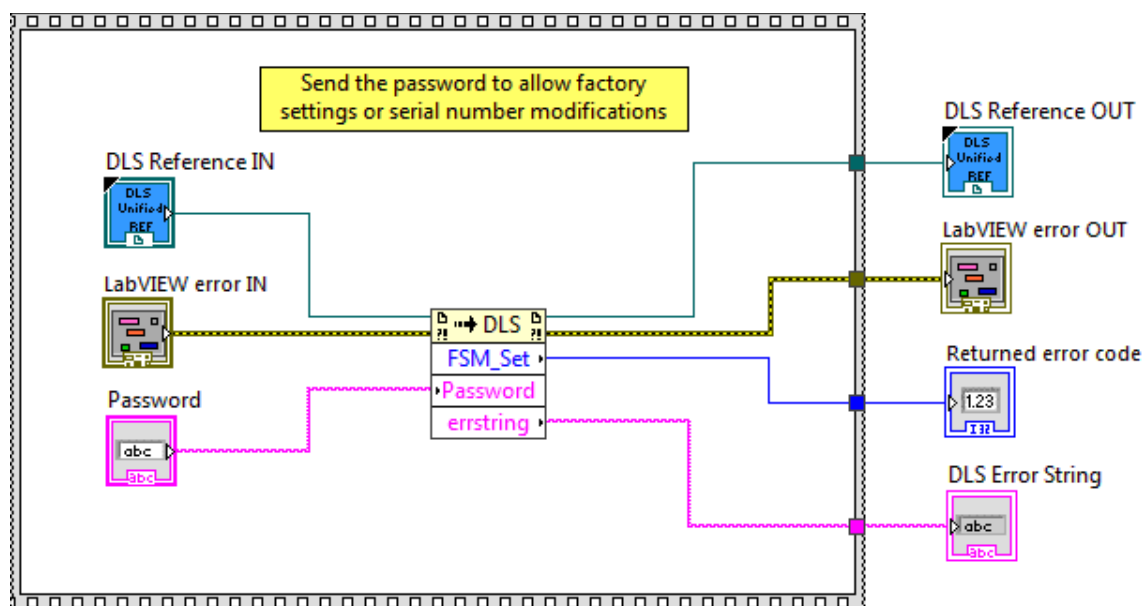
This function is used to send the password to allow factory settings or serial number modifications.

### Connector Pane

#### LWDLS\_FSM\_Set.vi



### Screenshot



### Controls and Indicators








**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.

-  **Password** Password
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.53 **FSR**

### **Name**

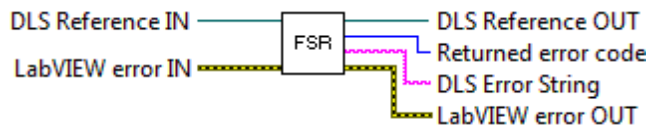
**FSR** – Restore all parameters to factory settings.

### **Description**

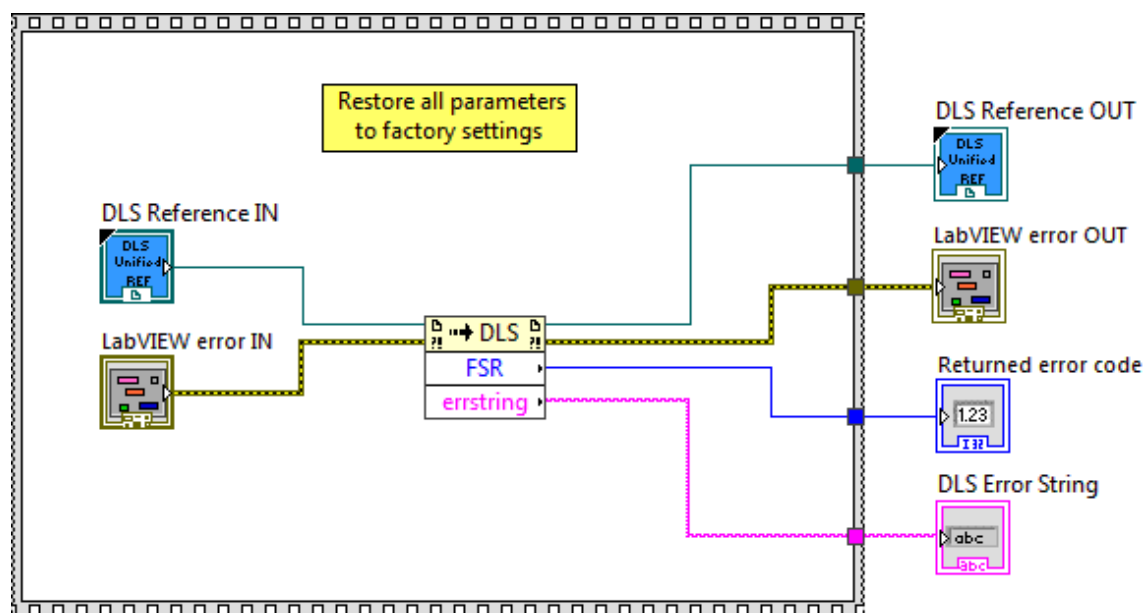
This function is used to restore all parameters to factory settings.

### **Connector Pane**







#### **LWDLS\_FSR.vi**



### **Screenshot**



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.54 GCA

### Name

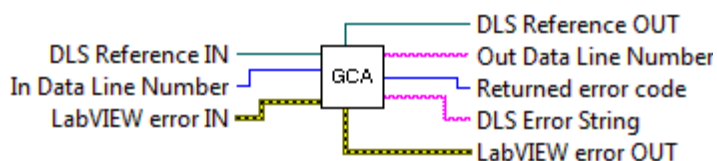
GCA – Get the data line DataLineNumber.

### Description

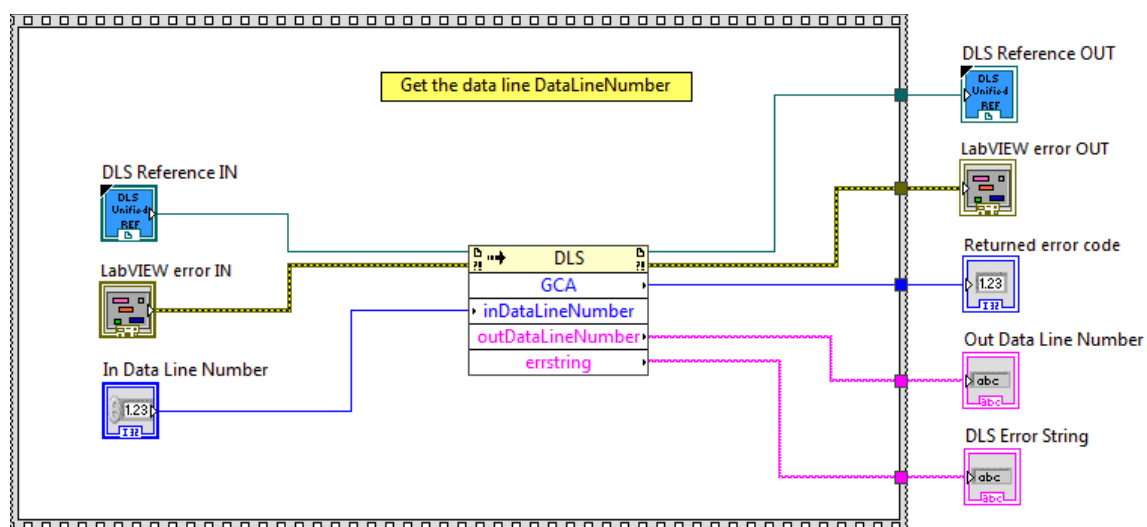
This function is used to get the data line DataLineNumber.

## Connector Pane

### LWDLS\_GCA.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**In Data Line Number** Data line number



**DLS Reference OUT** returns DLS Reference





**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



-  **Out Data Line Number** Out data line number
-  **DLS Error String** return error string from VI

## 2.55 GCC

### Name

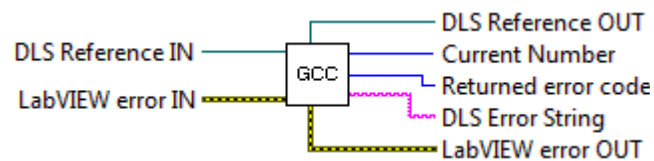
**GCC** – Get current number.

### Description

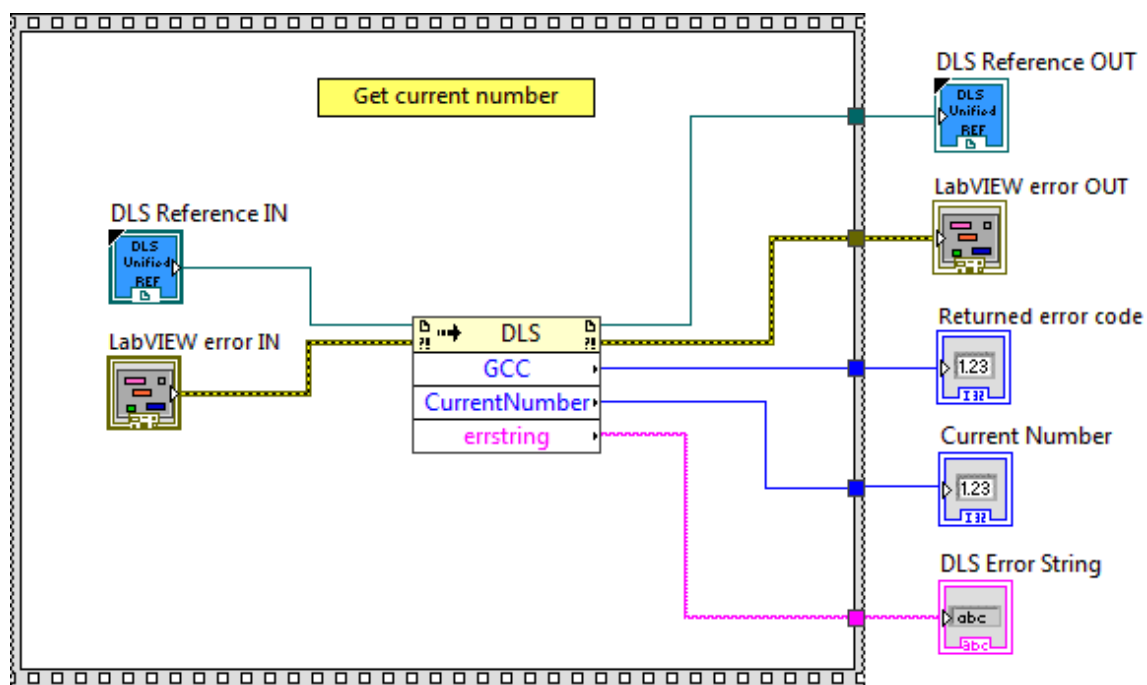
This function is used to get current number.

### Connector Pane








LWDLS\_GCC.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Current Number** Current number
-  **DLS Error String** return error string from VI

## 2.56 GCD\_Get

### Name

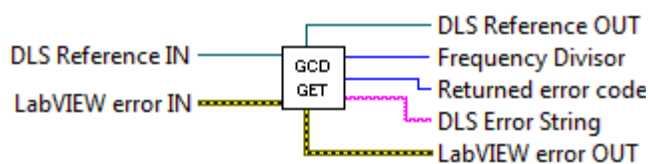
**GCD\_Get** – Get ESP stage configuration.

### Description

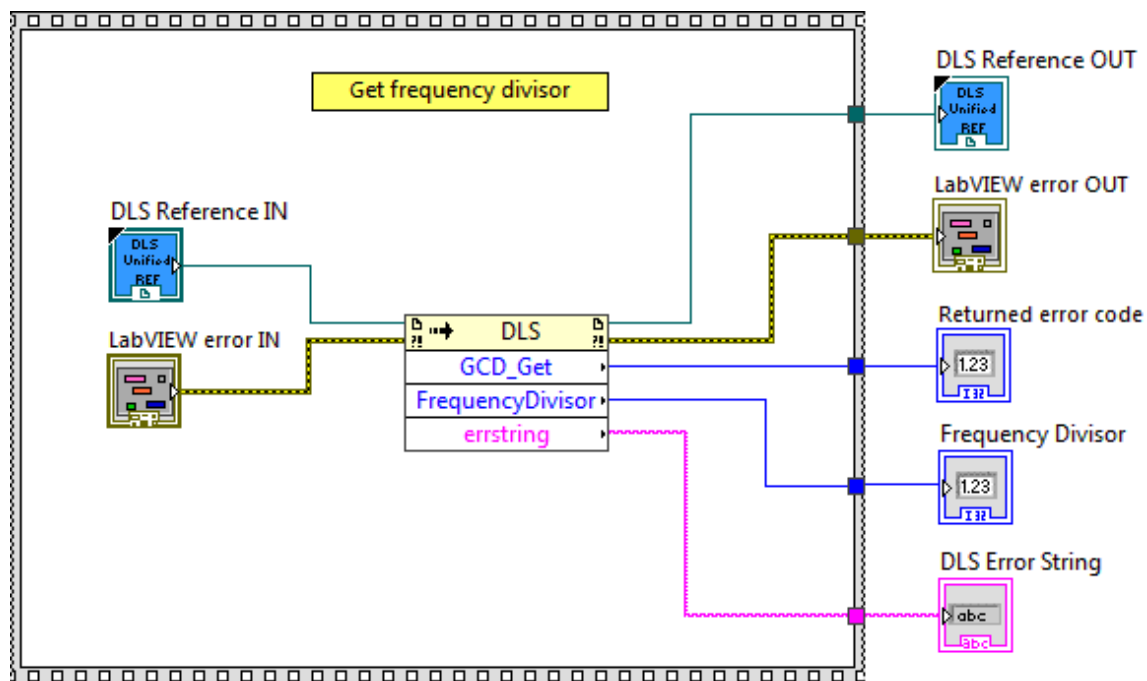
This function is used to get ESP stage configuration.

### Connector Pane

#### LWDLS\_GCD\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Frequency Divisor** Frequency divisor value



**DLS Error String** return error string from VI

## 2.57 GCD\_Set

### Name

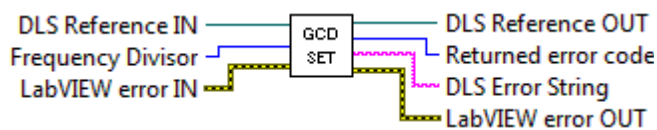
**GCD\_Set** – Get positive software limit.

### Description

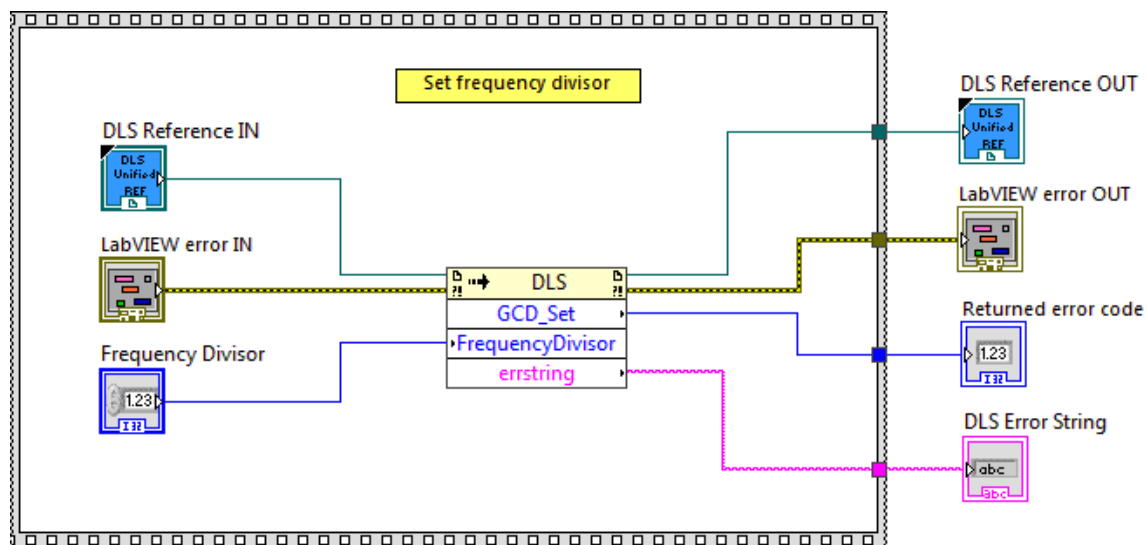
This function is used to get positive software limit.

### Connector Pane

#### LWDLS\_GCD\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Frequency Divisor** Frequency divisor value



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.58 GCF\_Get

### Name

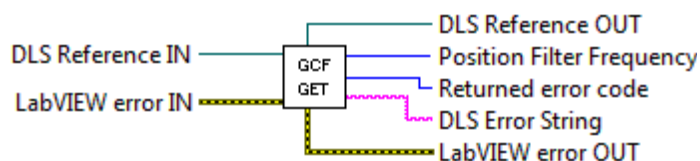
**GCF\_Get** – Get the position filter frequency.

### Description

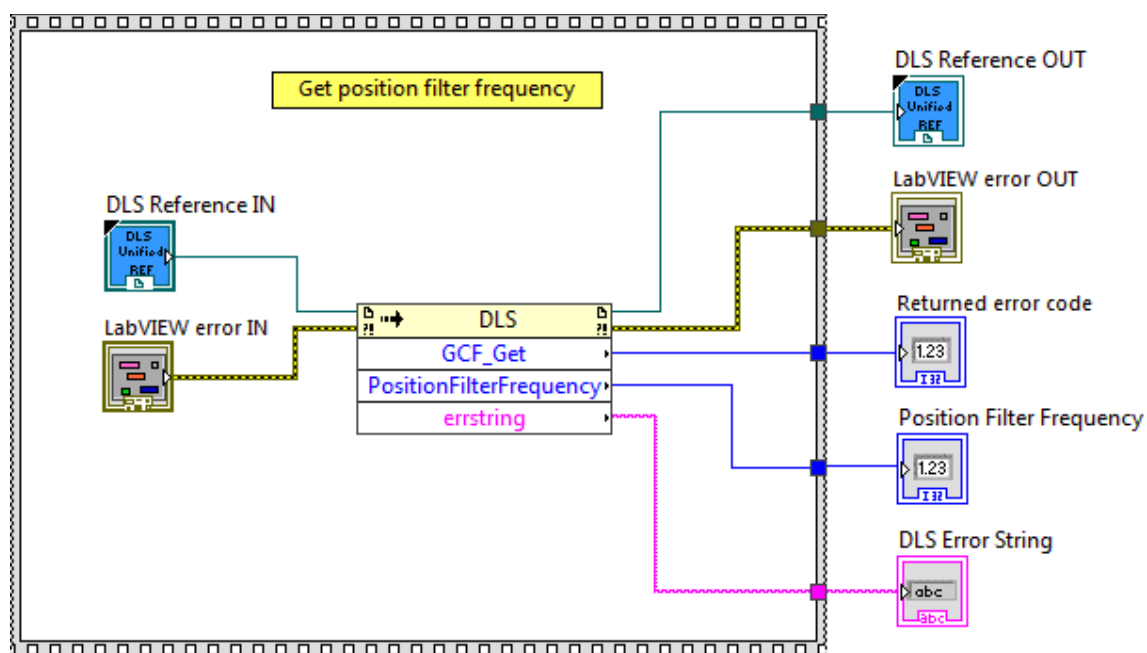
This function is used to get the position filter frequency.

## Connector Pane

**LWDLS\_GCF\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference






**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.

-  **Returned Error Code** Returns function error code
-  **Position Filter Frequency** Position filter frequency
-  **DLS Error String** return error string from VI

## 2.59 GCF\_Set

### Name

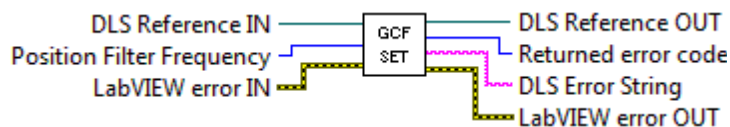
GCF\_Set – Set the position filter frequency.

### Description

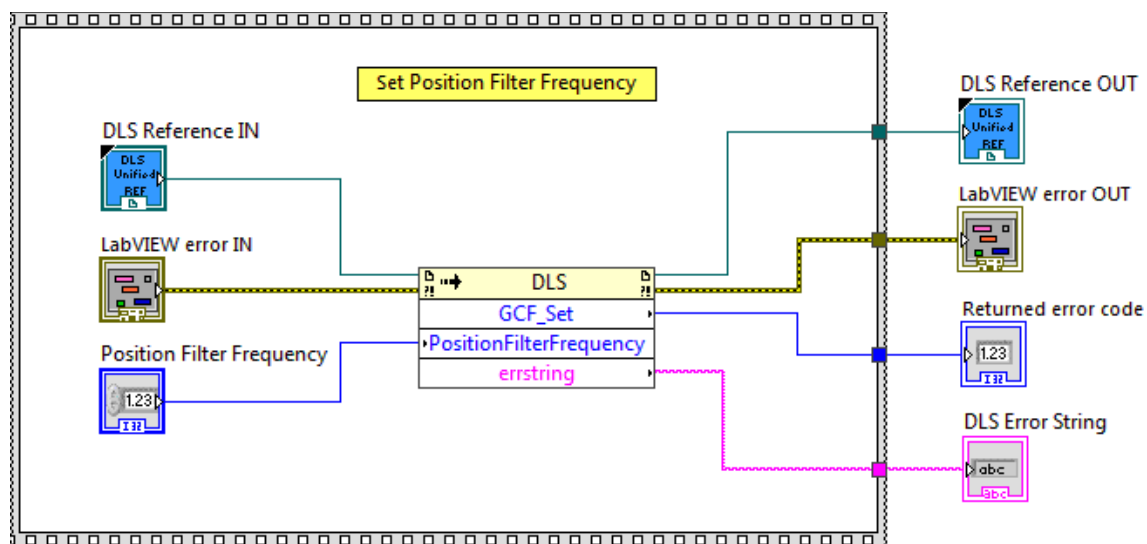
This function is used to set the position filter frequency.

### Connector Pane

#### LWDLS\_GCF\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**Position Filter Frequency** Position filter frequency



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.60 GCL

### Name

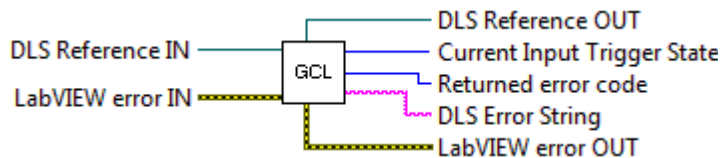
**GCL** – Get current input trigger state for the gathering.

### Description

This function is used to get current input trigger state for the gathering.

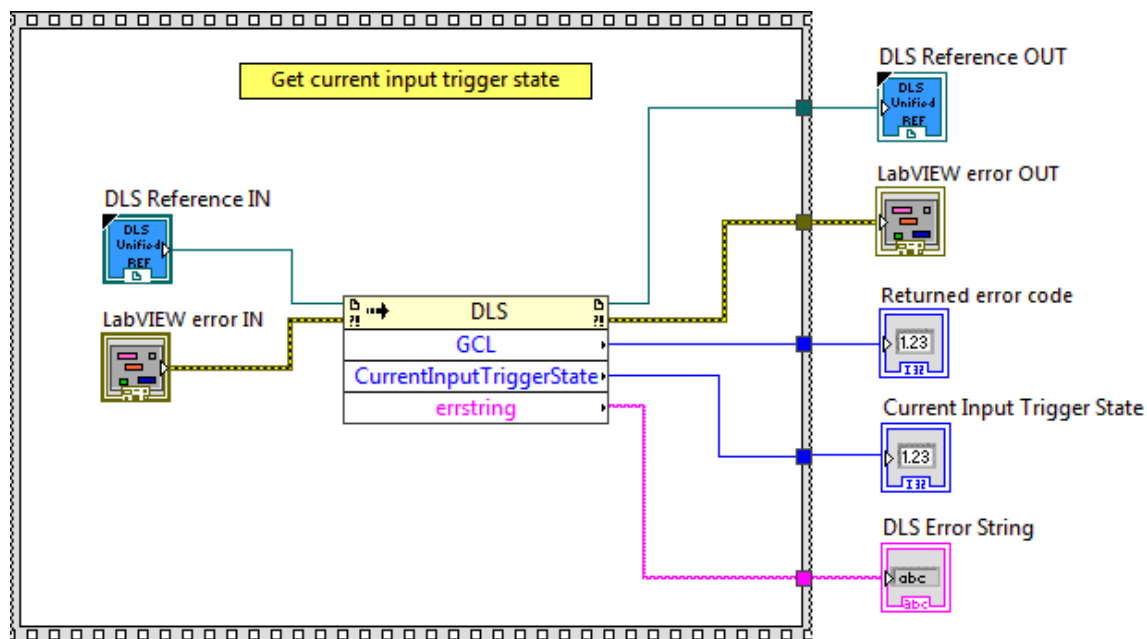
### Connector Pane

**LWDLS\_GCL.vi**










### Screenshot





### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Current Input Trigger State** Current input trigger state
-  **DLS Error String** return error string from VI

## 2.61 GCN\_Get

### Name

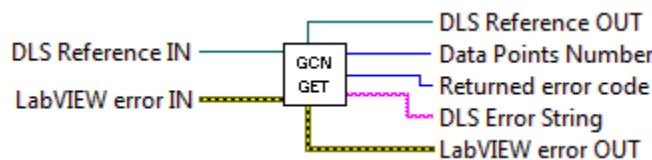
**GCN\_Get** – Get number of data points to be gathered.

## Description

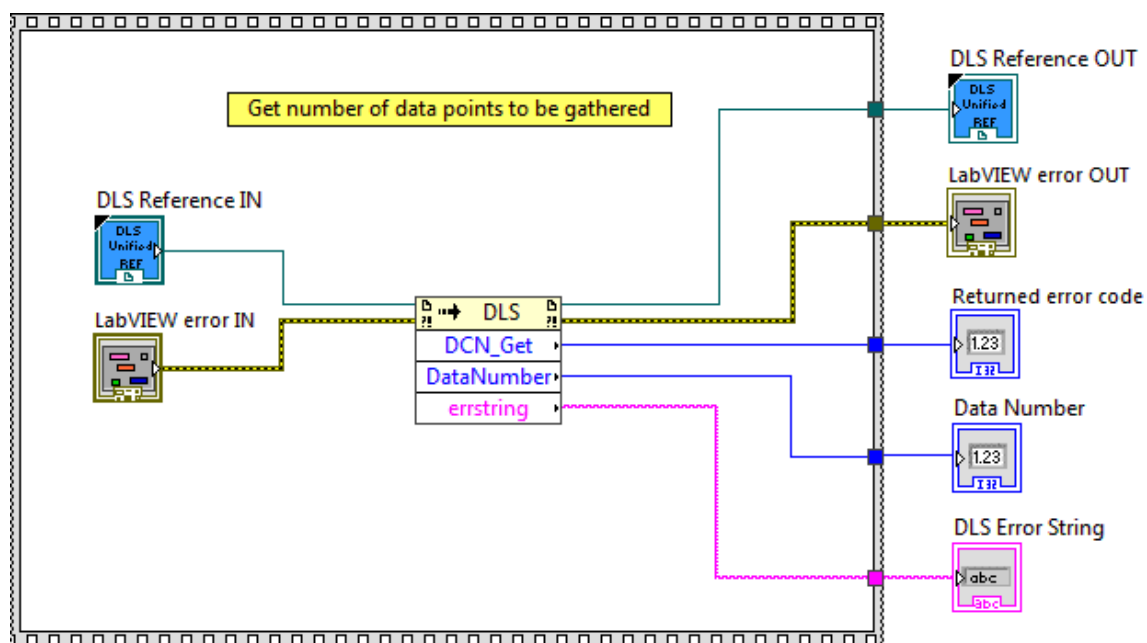
This function is used to get number of data points to be gathered.

## Connector Pane

LWDLS\_GC\_N\_Get.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference







**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Data Number** Data number
-  **DLS Error String** return error string from VI

## 2.62 GCN\_Set

### Name

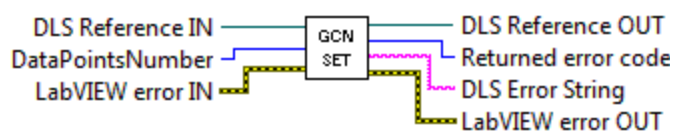
**GCN\_Set** – Get number of data points to be gathered.

### Description

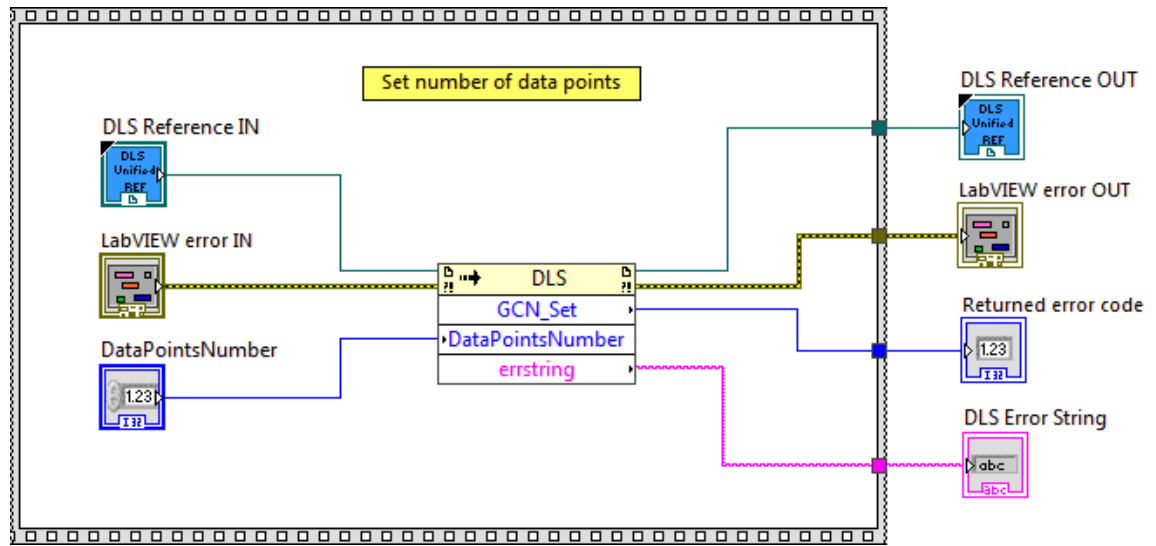
This function is used to set number of data points to be gathered.

### Connector Pane








#### LWDLS\_GCN\_Set.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Data Points Number** Data points number
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.63 GCS\_Get

### Name

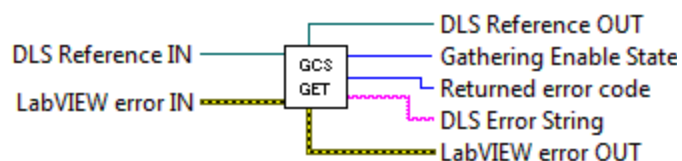
GCS\_Get – Enable/Disable gathering or get gathering status.

### Description

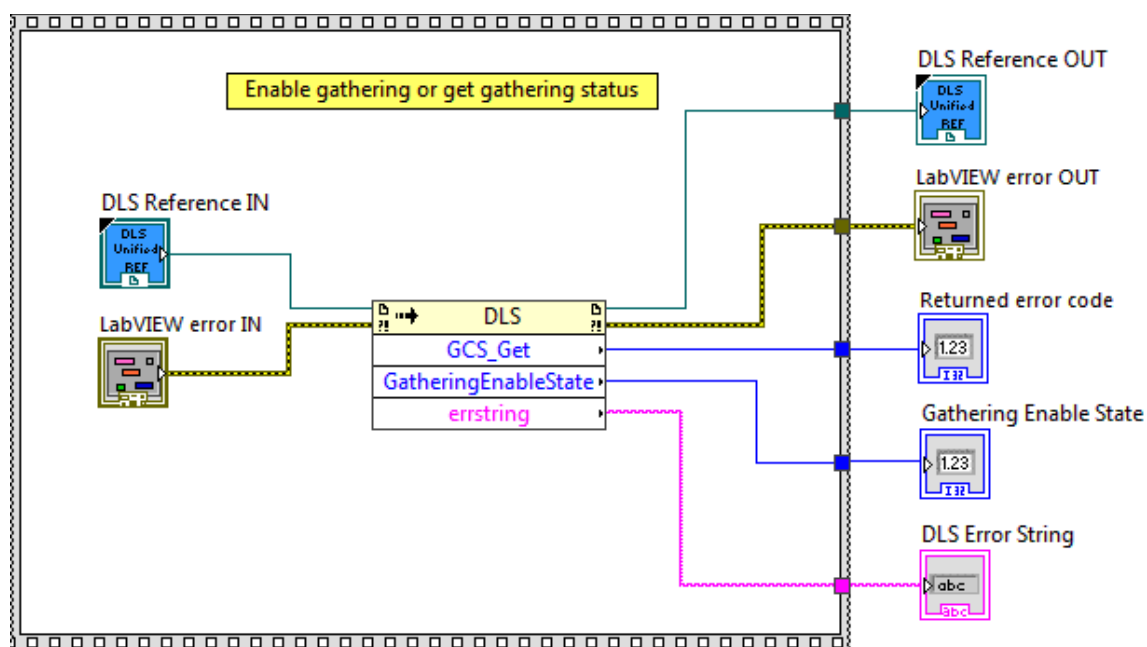
This function is used to Enable/Disable gathering or get gathering status.

## Connector Pane

### LWDLS\_GCS\_Get.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.




This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.

-  **Returned Error Code** Returns function error code
-  **Gathering Enable State** Gathering enable state
-  **DLS Error String** return error string from VI

## 2.64 GCS\_Set

### Name

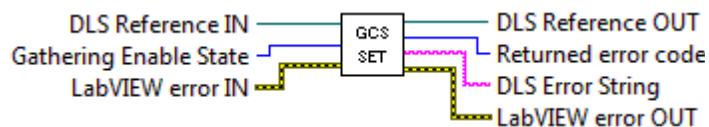
GCS\_Set – Enable/Disable gathering or get gathering status.

### Description

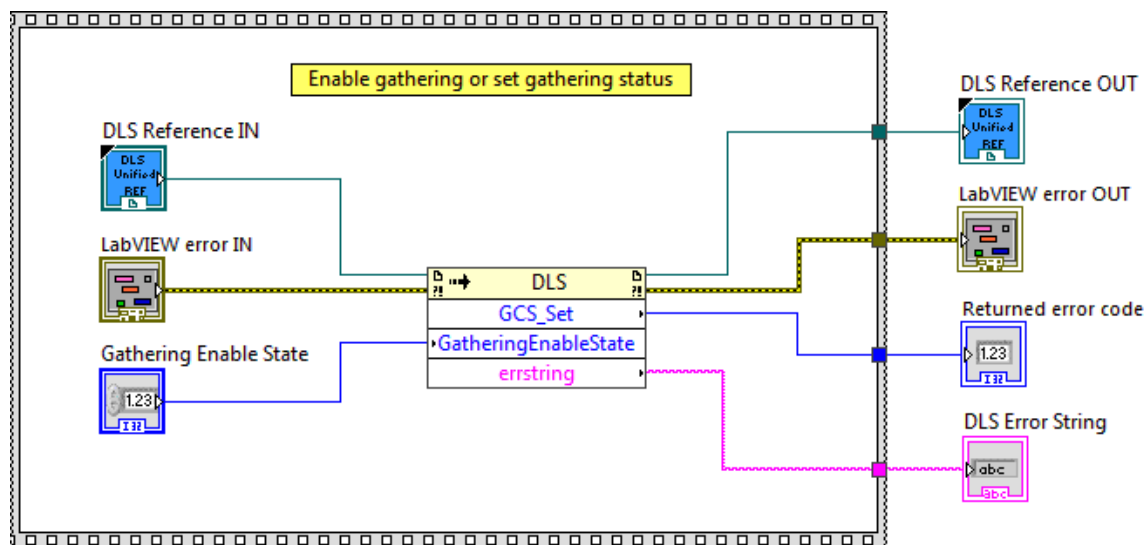
This function is used to Enable/Disable gathering or set gathering status.

### Connector Pane

#### LWDLS\_GCS\_Set.vi



### Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**Gathering Enable State** Gathering enable state



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.65 GCT

### Name

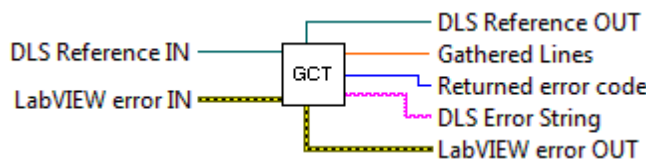
**GCT** – Get all gathered lines.

### Description

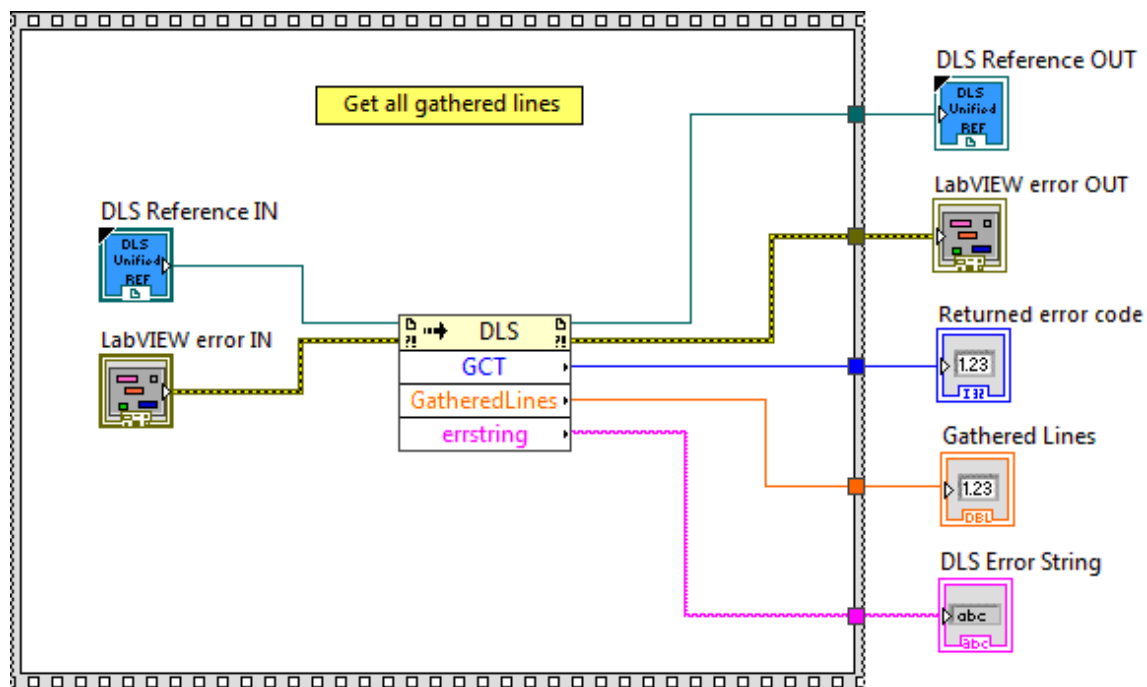
This function is used to get all gathered lines.

### Connector Pane

#### LWDLS\_GCT.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Gathered Lines** Gathered lines



**DLS Error String** return error string from VI

## 2.66 GCV

### Name



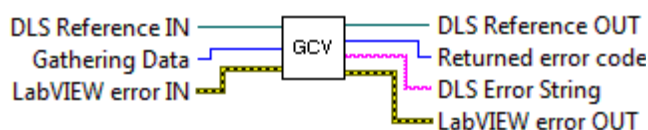
**GCV** – Set the data to be gathered with a 7-bits decimal value.

### Description

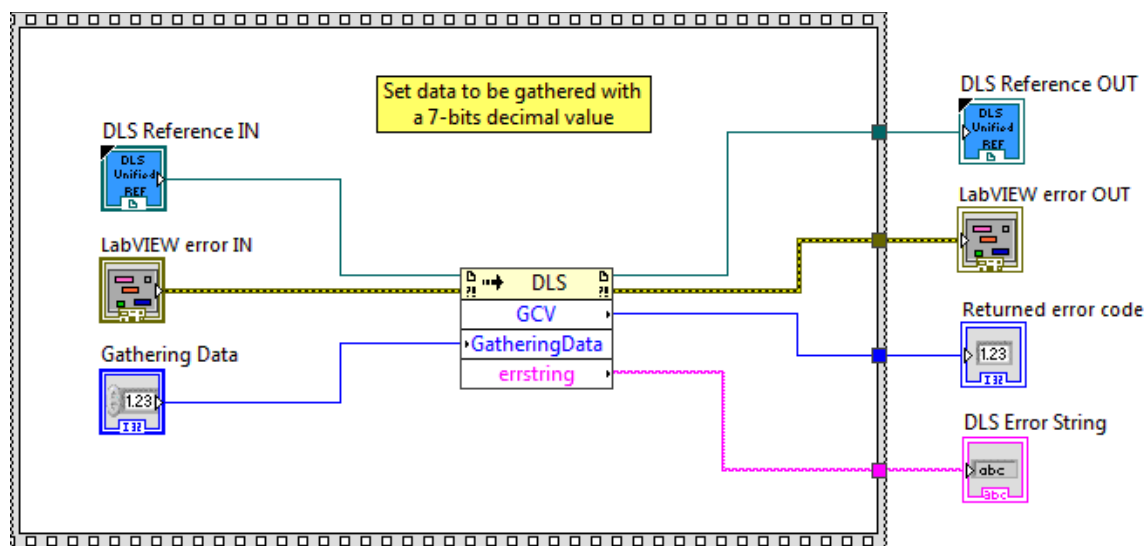
This function is used to get ESP stage configuration.

### Connector Pane

#### LWDLS\_GCV.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference






**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Gathering Data** Gathering data



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.67 GIC\_Get

### Name

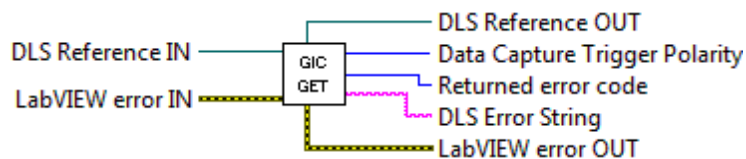
**GIC\_Get** – Get the polarity of input trigger 2 for start motion trigger.

### Description

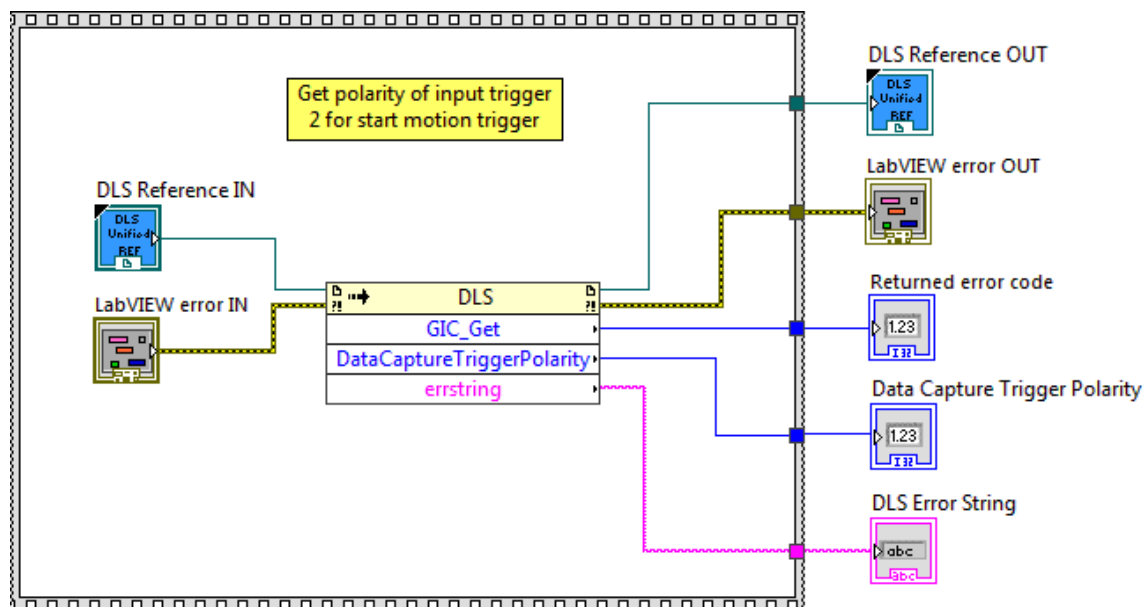
This function is used to get the polarity of input trigger 2 for start motion trigger.

### Connector Pane

#### LWDLS\_GIC\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Data Capture Trigger Polarity** Data capture trigger polarity



**DLS Error String** return error string from VI

## 2.68 GIC\_Set

### Name

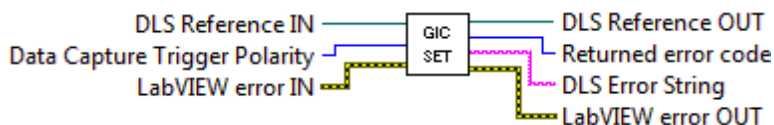
**GIC\_Set** – Set the polarity of input trigger 2 for start motion trigger.

## Description

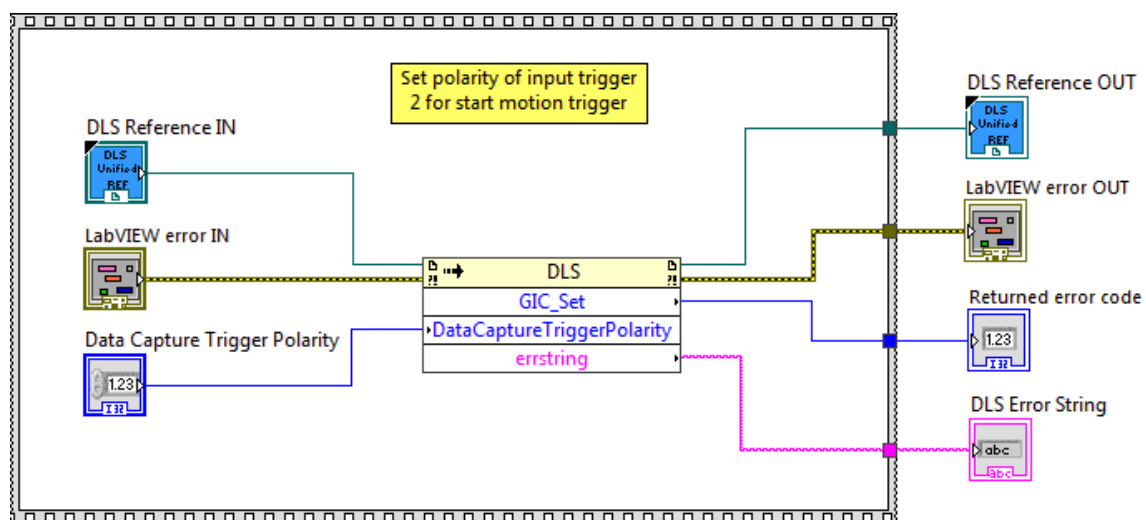
This function is used to set the polarity of input trigger 2 for start motion trigger.

## Connector Pane

### LWDLS\_GIC\_Set.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Data Capture Trigger Polarity** Data capture trigger polarity




**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.

 **Returned Error Code** Returns function error code

 **DLS Error String** return error string from VI

## 2.69 GIM\_Get

### Name

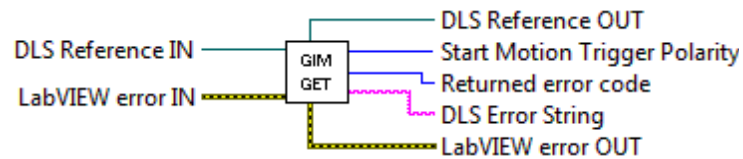
**GIM\_Get** – Get the polarity of input trigger 1 for data capture.

### Description

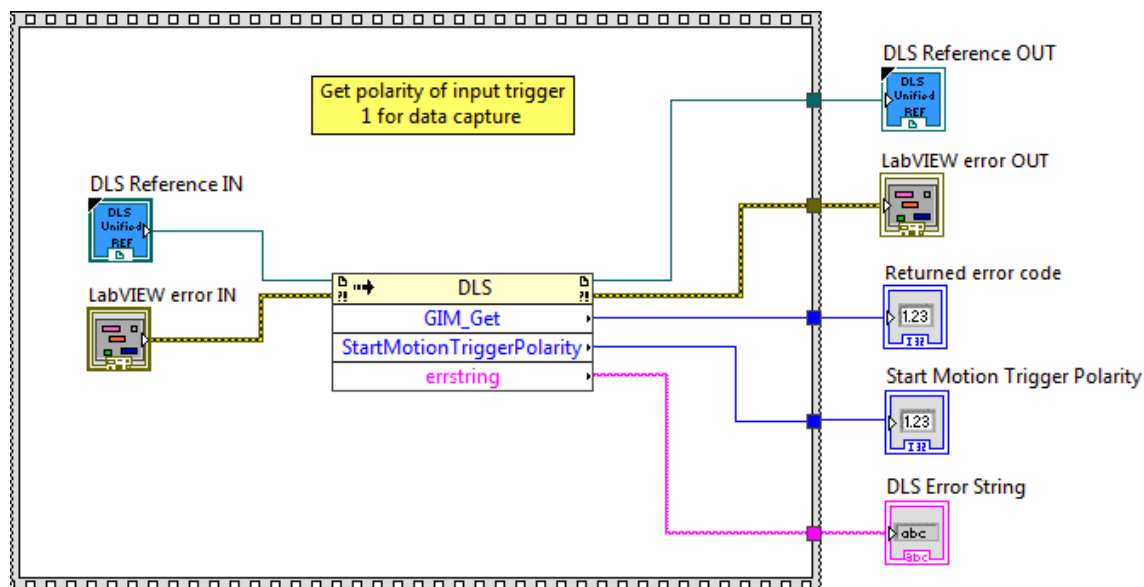
This function is used to get the polarity of input trigger 1 for data capture.

### Connector Pane

LWDLS\_GIM\_Get.vi



### Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Start Motion Trigger Polarity** Start motion trigger polarity



**DLS Error String** return error string from VI

## 2.70 GIM\_Set

### Name

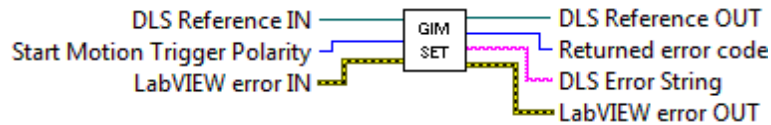
**GIM\_Set** – Set the polarity of input trigger 1 for data capture.

## Description

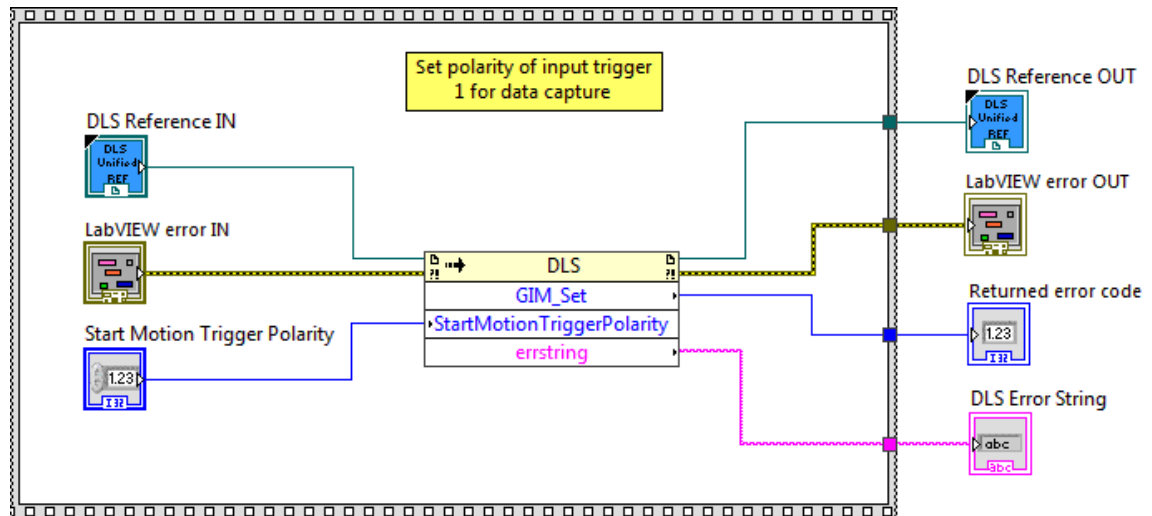
This function is used to set the polarity of input trigger 1 for data capture.

## Connector Pane

**LWDLS\_GIM\_Set.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Start Motion Trigger Polarity** Start motion trigger polarity




**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.

 **Returned Error Code** Returns function error code

 **DLS Error String** return error string from VI

## 2.71 GIT\_Get

### Name

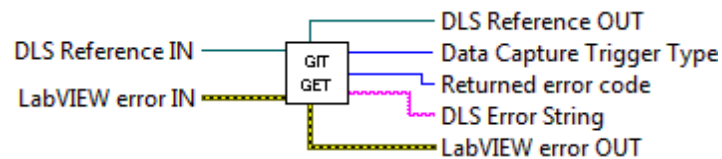
**GIT\_Get** – Get the type of input trigger 2 (0: data capture / 1: PGR direction / 2: goto reference).

### Description

This function is used to get the type of input trigger 2 (0: data capture / 1: PGR direction / 2: goto reference).

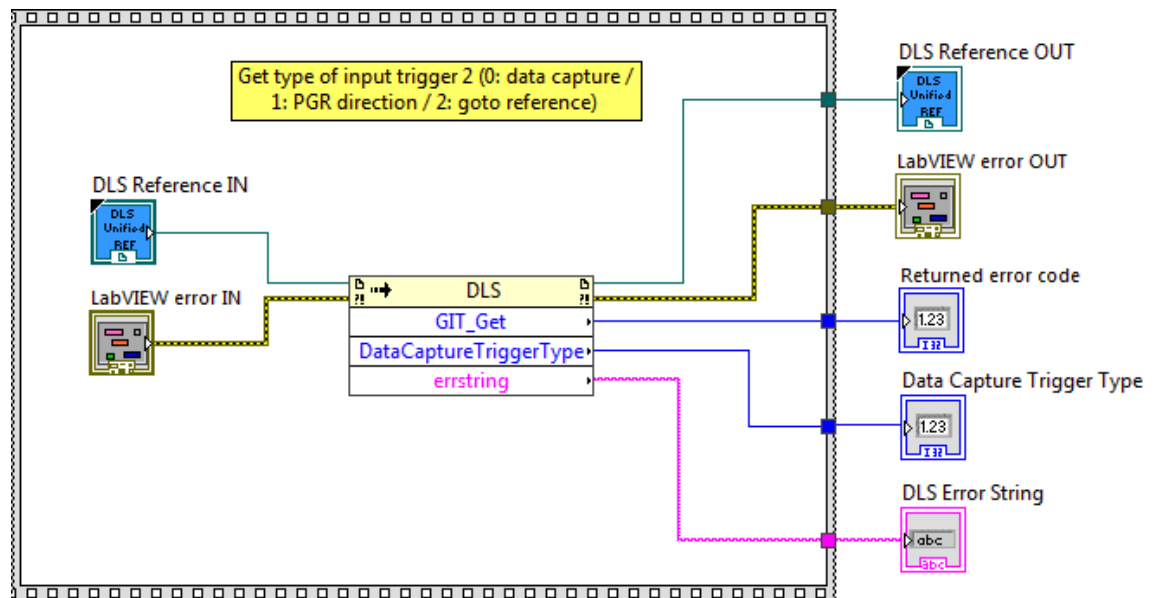
### Connector Pane

#### LWDLS\_GIT\_Get.vi



### Screenshot





### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Data Capture Trigger Type** Data capture trigger type



**DLS Error String** return error string from VI

## 2.72 GIT\_Set

### Name

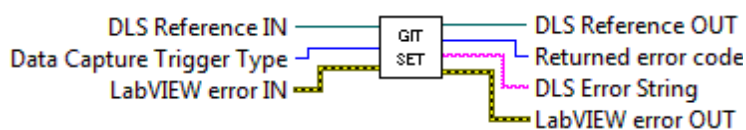
**GIT\_Set** – Set the type of input trigger 2 (0: data capture / 1: PGR direction / 2: goto reference).

## Description

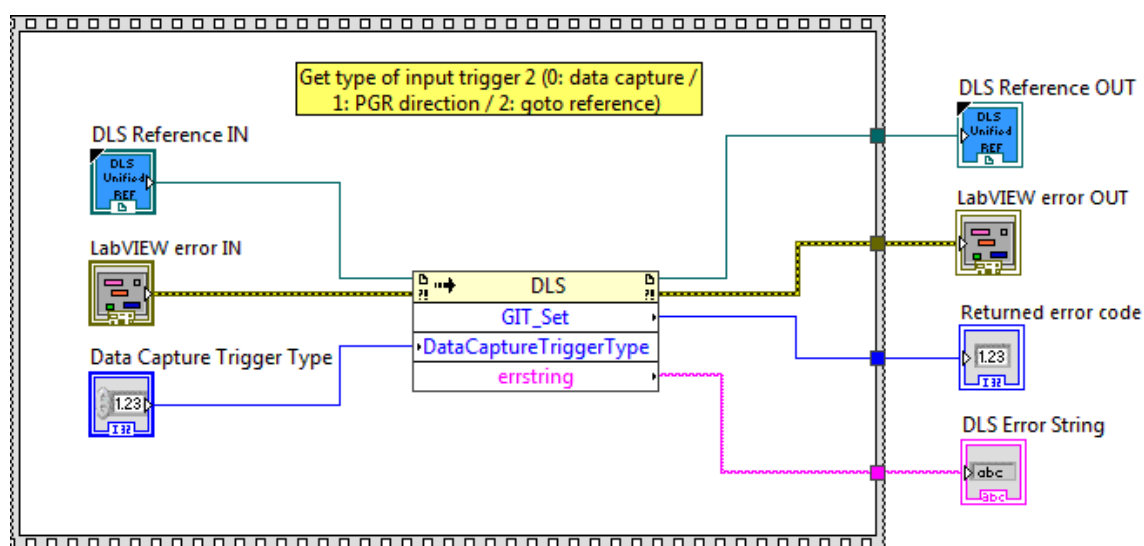
This function is used to set the type of input trigger 2 (0: data capture / 1: PGR direction / 2: goto reference).

## Connector Pane






### LWDLS\_GIT\_Set.vi



## Screenshot



## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Data Capture Trigger Type** Data capture trigger type
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard

error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.73 GOF\_Get

### Name

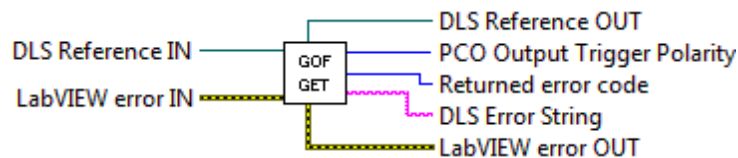
**GOF\_Get** – Get the position filter frequency for the PCO output.

### Description

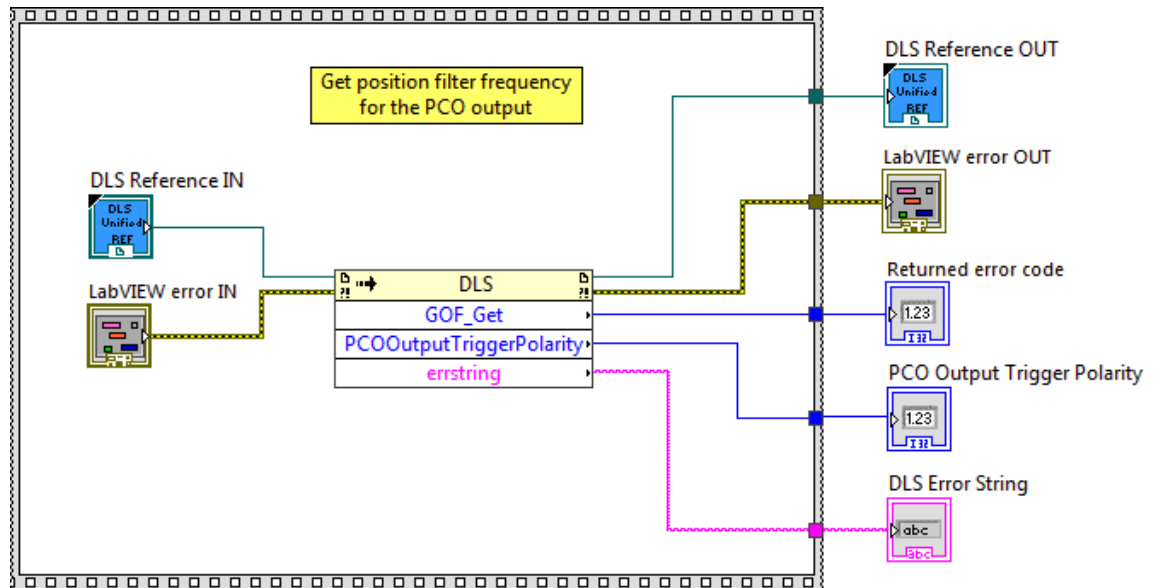
This function is used to get the position filter frequency for the PCO output.

### Connector Pane

LWDLS\_GOF\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**PCO Output Trigger Polarity** PCO output trigger polarity



**DLS Error String** return error string from VI

## 2.74 GOF\_Set

### Name

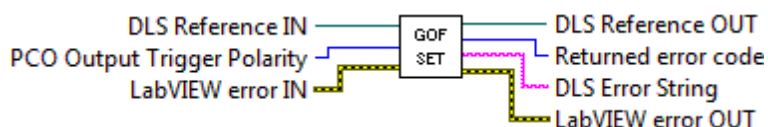
**GOF\_Set** – Set the position filter frequency for the PCO output.

## Description

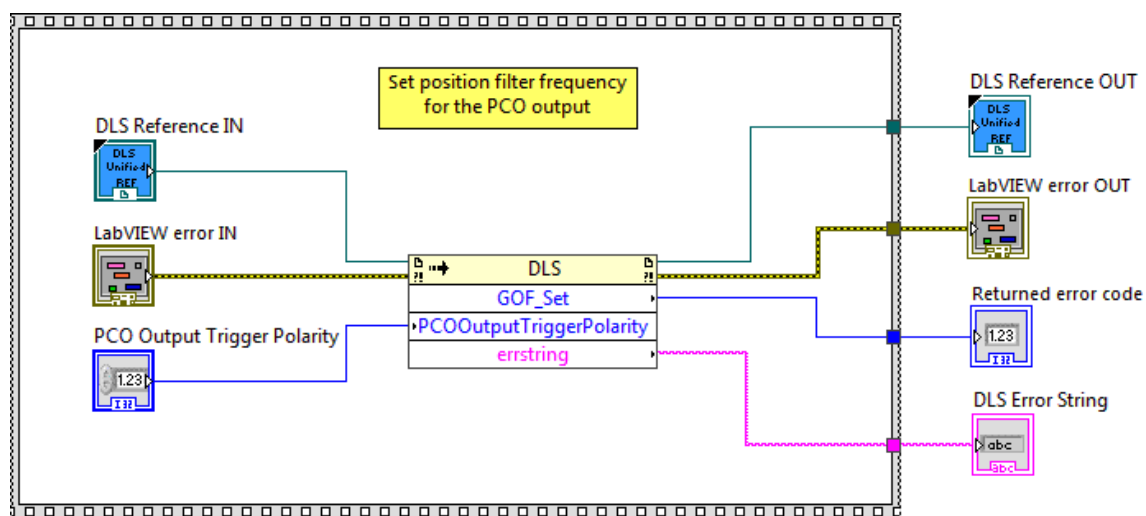
This function is used to set the position filter frequency for the PCO output.

## Connector Pane

**LWDLS\_GOF\_Set.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**PCO Output Trigger Polarity** PCO output trigger polarity




**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.

 **Returned Error Code** Returns function error code

 **DLS Error String** return error string from VI

## 2.75 GOP\_Get

### Name

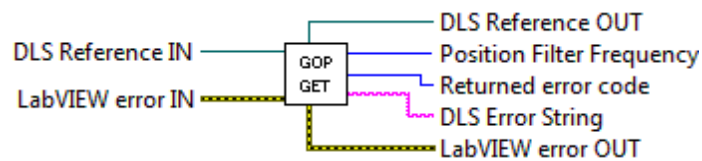
**GOP\_Get** – Get the polarity of output trigger 2 (PCO).

### Description

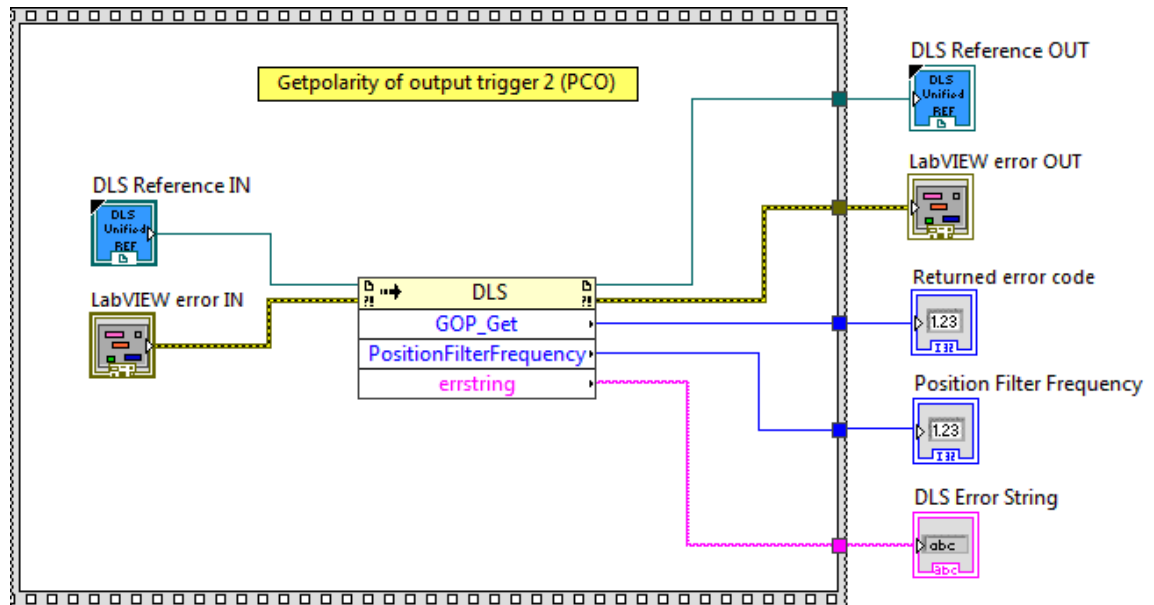
This function is used to get the polarity of output trigger 2 (PCO).

### Connector Pane

#### LWDLS\_GOP\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Position Filter Frequency** Position filter frequency



**DLS Error String** return error string from VI

## 2.76 GOP\_Set

### Name

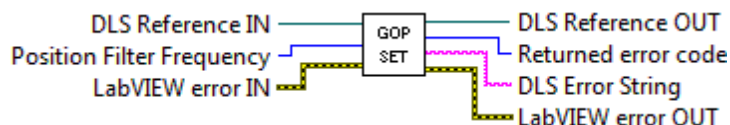
**GOP\_Set** – Set the polarity of output trigger 2 (PCO).

## Description

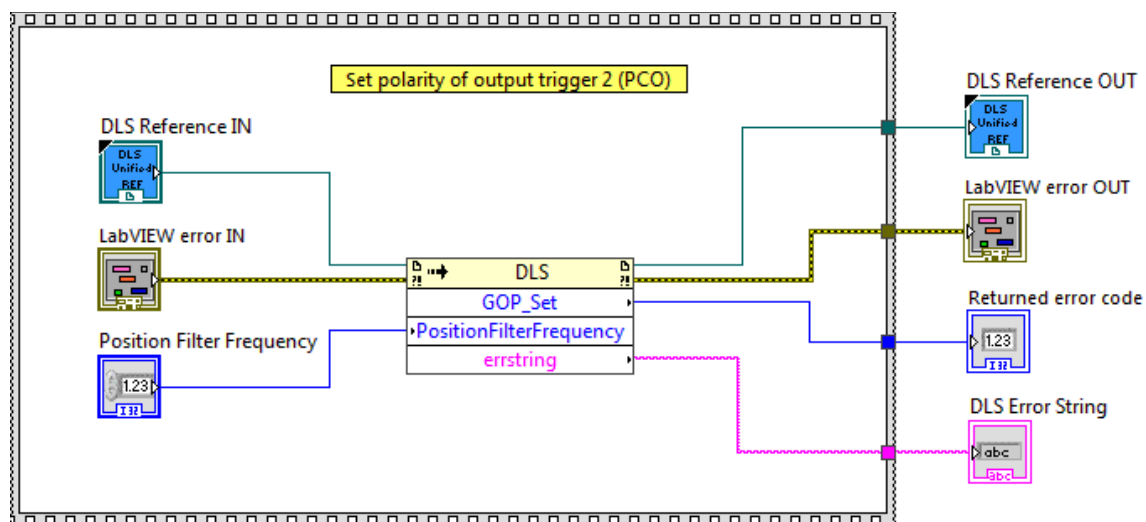
This function is used to set the polarity of output trigger 2 (PCO).

## Connector Pane






**LWDLS\_GOP\_Set.vi**



## Screenshot




## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Position Filter Frequency** Position filter frequency
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.



 **Returned Error Code** Returns function error code

 **DLS Error String** return error string from VI

## 2.77 GOM\_Get

### Name

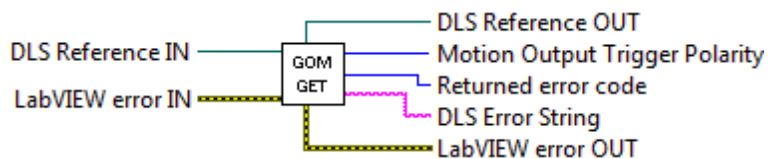
**GOM\_Get** – Get the polarity of output trigger 1 for motion trigger.

### Description

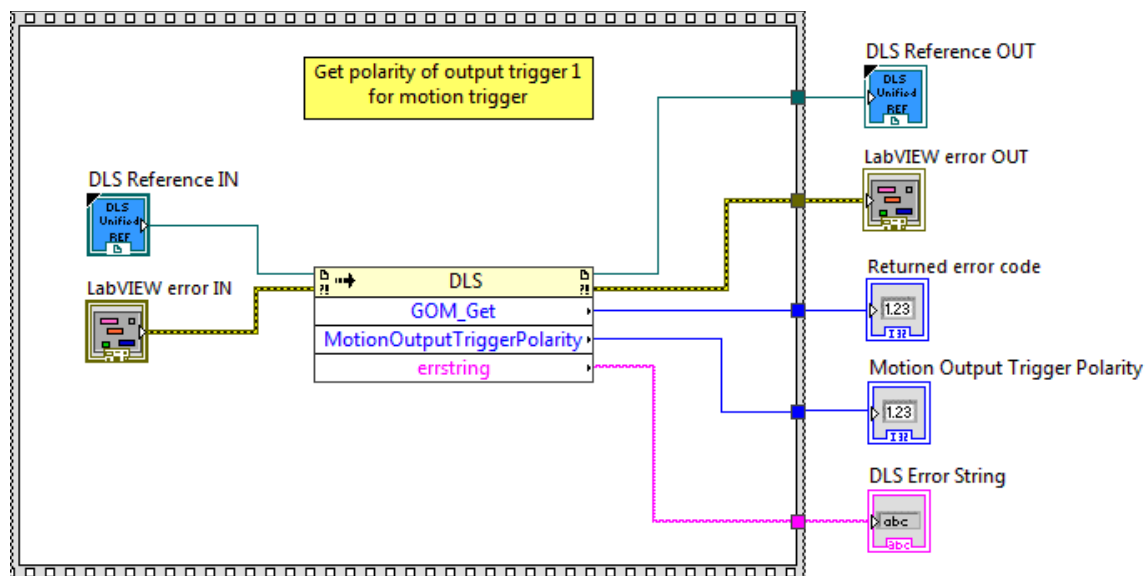
This function is used to get the polarity of output trigger 1 for motion trigger.

### Connector Pane

#### LWDLS\_GOM\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Motion Output Trigger Polarity** Motion output trigger polarity



**DLS Error String** return error string from VI

## 2.78 GOM\_Set

### Name

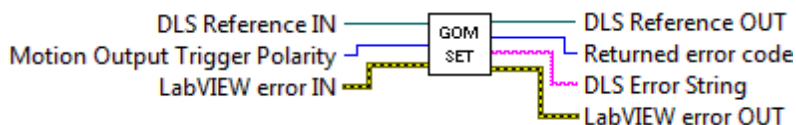
**GOM\_Set** – Set the polarity of output trigger 1 for motion trigger.

### Description

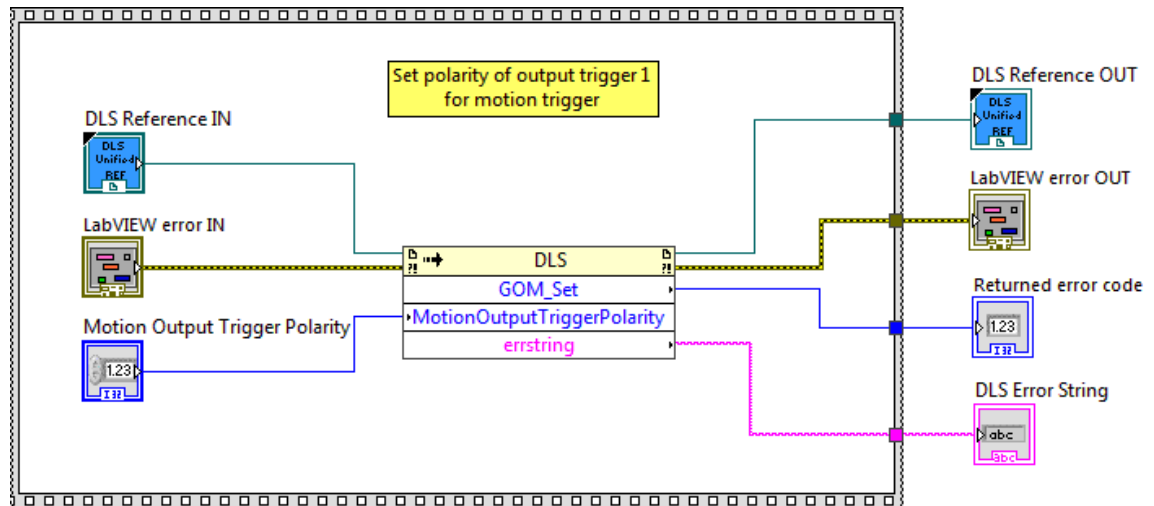
This function is used to set the polarity of output trigger 1 for motion trigger.

### Connector Pane








#### LWDLS\_GOM\_Set.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Motion Output Trigger Polarity** Motion output trigger polarity
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.79 GOT\_Get

### Name

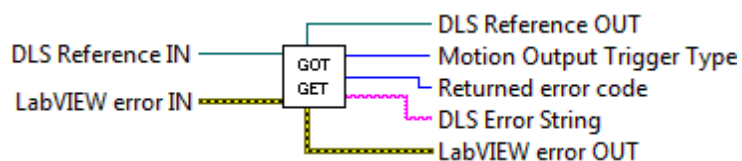
**GOT\_Get** – Get the type of output trigger.

### Description

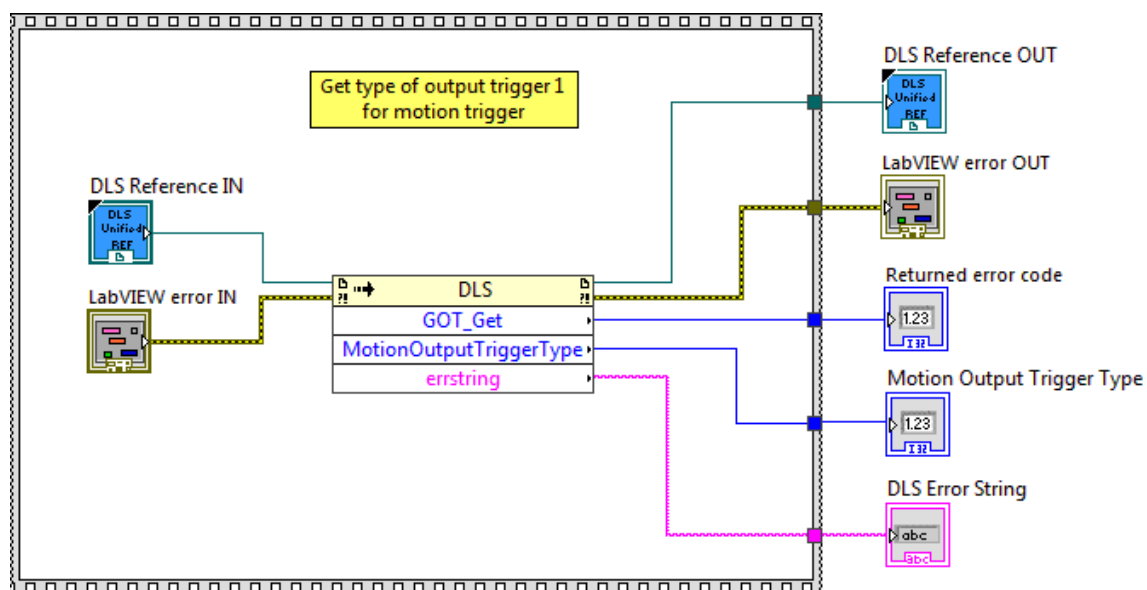
This function is used to get the type of output trigger.

## Connector Pane

**LWDLS\_GOT\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.





**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code

-  **Motion Output Trigger Type** Motion output trigger type
-  **DLS Error String** return error string from VI

## 2.80 GOT\_Set

### Name

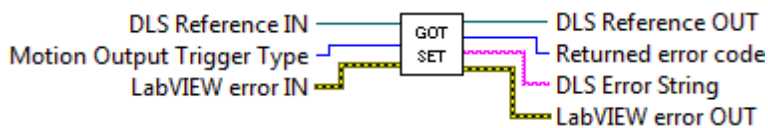
**GOT\_Set** – Set the type of output trigger.

### Description

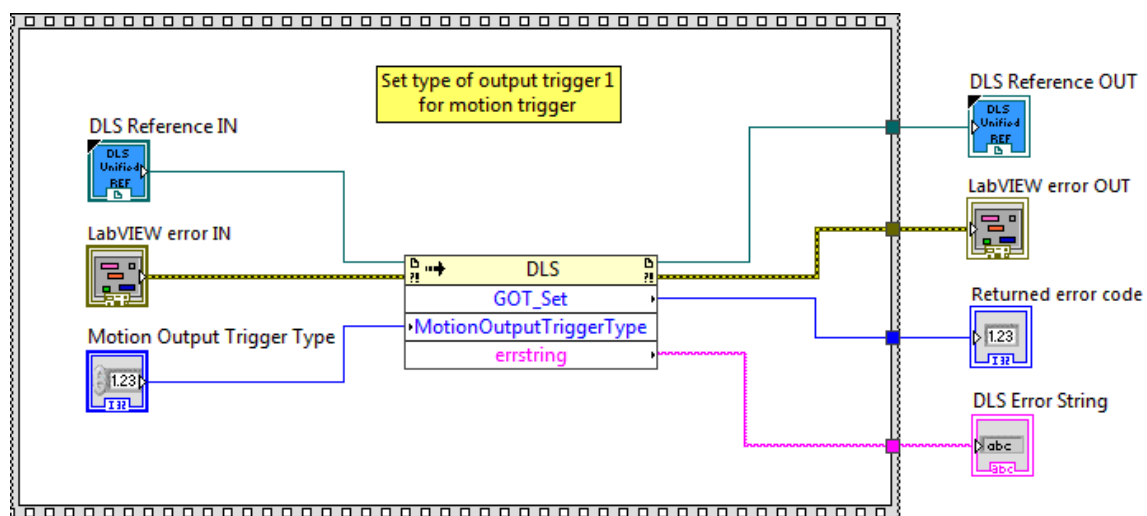
This function is used to set the type of output trigger.

### Connector Pane

#### LWDLS\_GOT\_Set.vi



### Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**Motion Output Trigger Type** Motion output trigger type



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.81 GOW\_Get

### Name

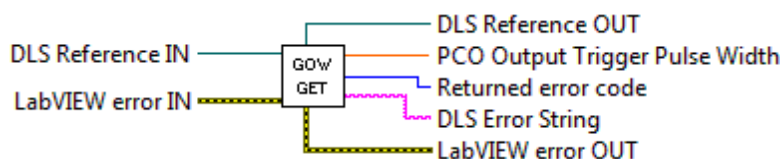
**GOW\_Get** – Get the pulse width for PCO output trigger.

### Description

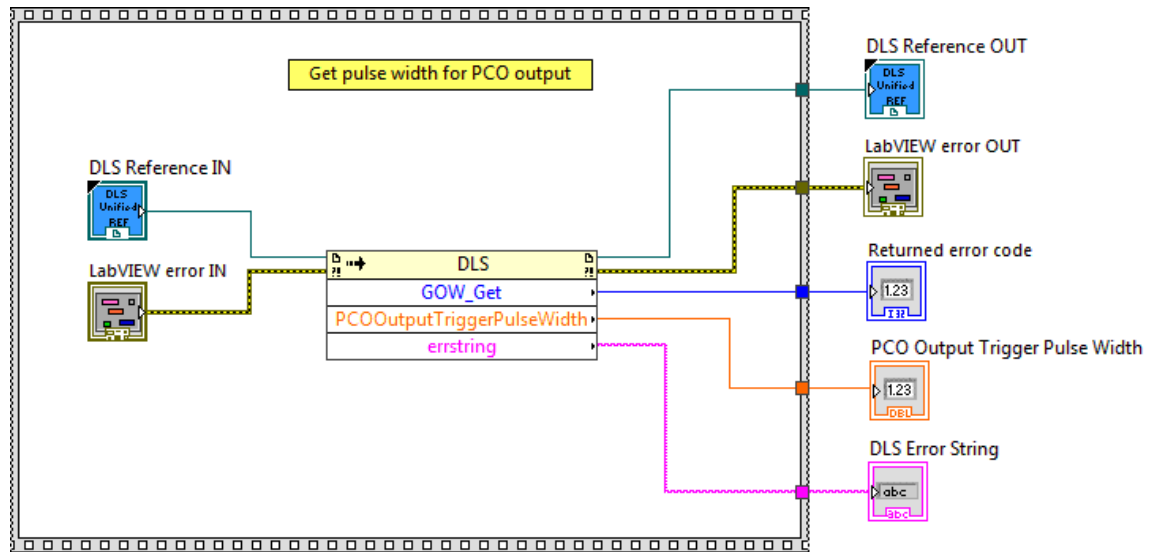
This function is used to get pulse width for PCO output trigger.

### Connector Pane








#### LWDLS\_GOW\_Get.vi



### Screenshot



## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **PCO Output Trigger Pulse Width** PCO output trigger pulse width
-  **DLS Error String** return error string from VI

## 2.82 GOW\_Set

### Name

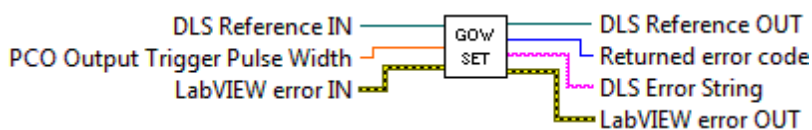
**GOW\_Set** – Set the pulse width for PCO output trigger.

### Description

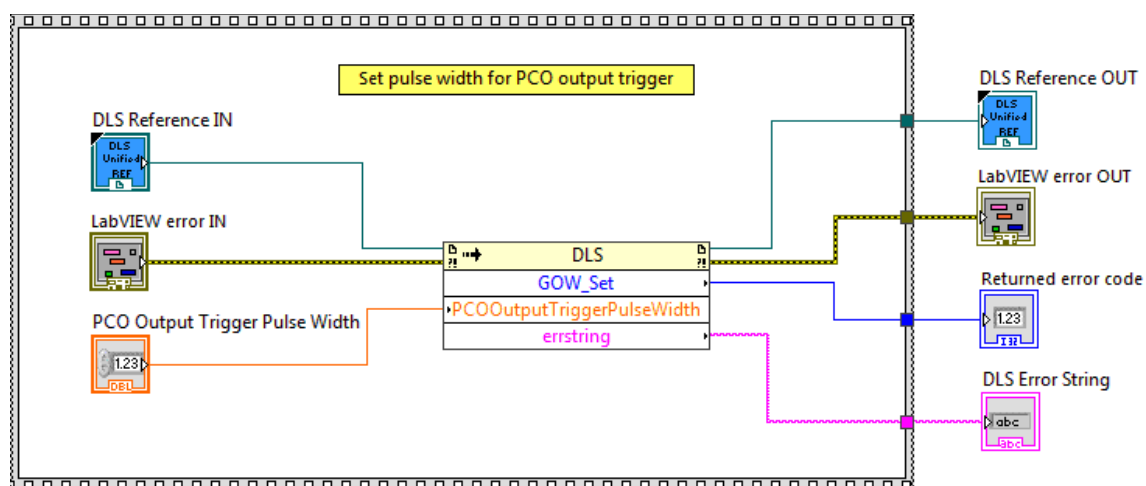
This function is used to set pulse width for PCO output trigger.

## Connector Pane

**LWDLS\_GOW\_Set.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**PCO Output Trigger Pulse Width** PCO output trigger pulse width



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI





### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Enable PCO** Enable PCO



**DLS Error String** return error string from VI

## 2.84 GPE\_Set

### Name

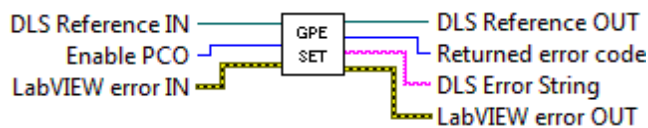
**GPE\_Set** – Enable/Disable PCO function.

### Description

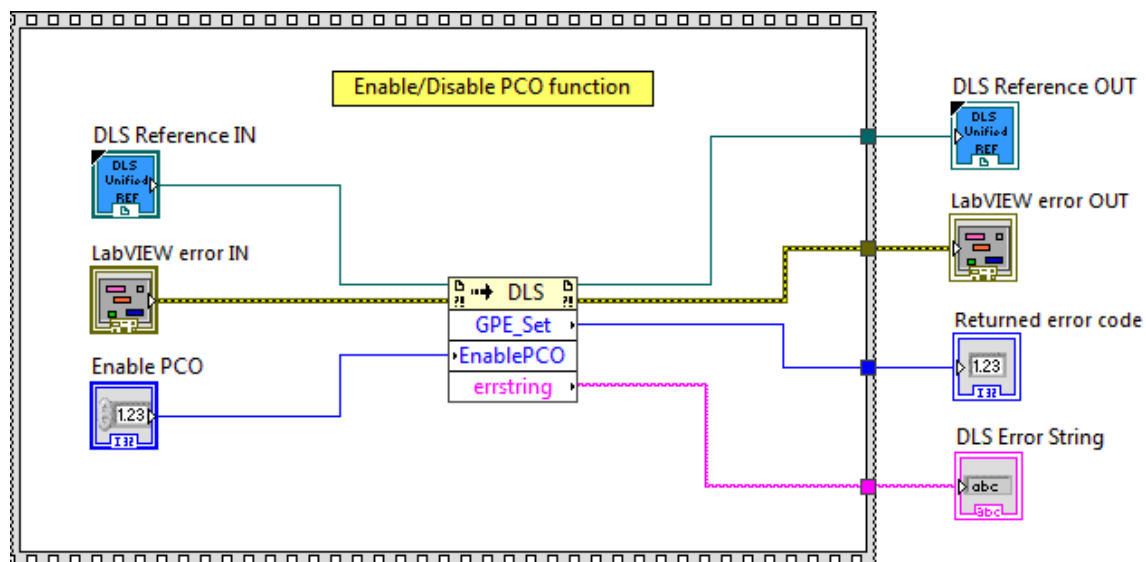
This function is used to Enable/Disable PCO function.

### Connector Pane








#### LWDLS\_GPE\_Set.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Enable PCO** Enable PCO
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.85 GPI\_Get

### Name

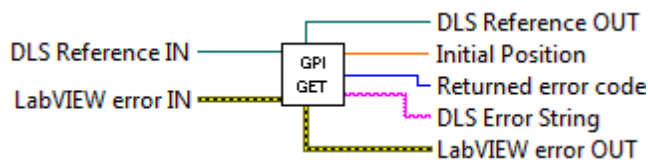
**GPI\_Get** – Get the Initial position for PCO trigger.

## Description

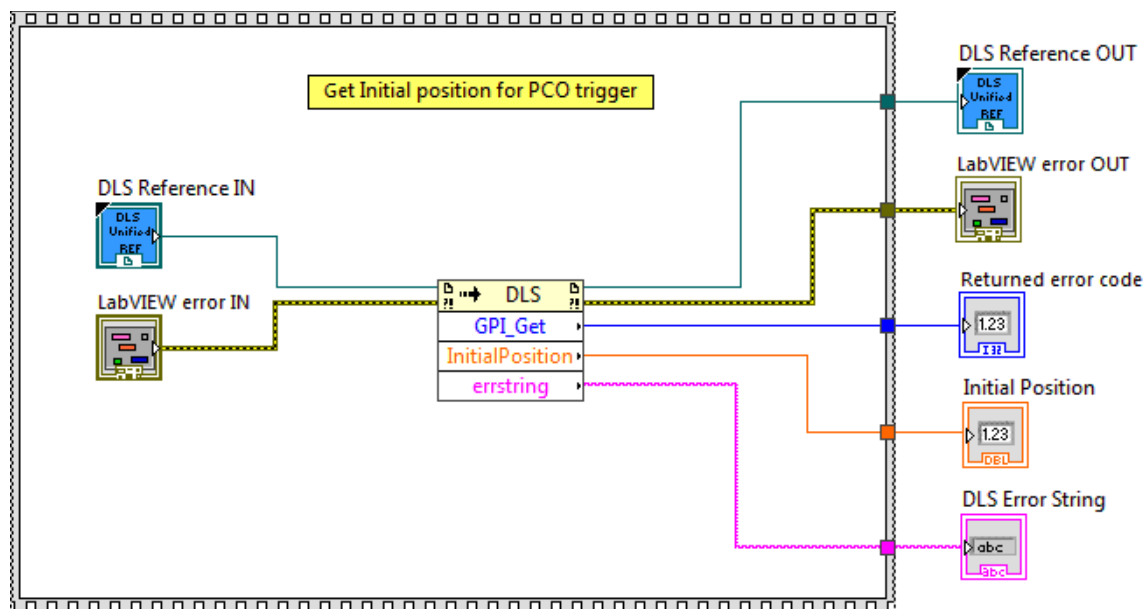
This function is used to get the Initial position for PCO trigger.

## Connector Pane

### LWDLS\_GPI\_Get.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference






**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.

-  **Returned Error Code** Returns function error code
-  **Initial Position** Initial position
-  **DLS Error String** return error string from VI

## 2.86 GPI\_Set

### Name

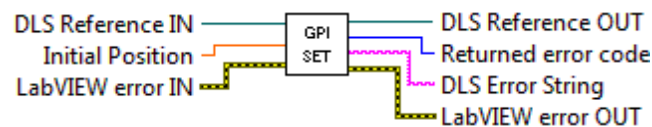
**GPI\_Set** – Set the Initial position for PCO trigger.

### Description

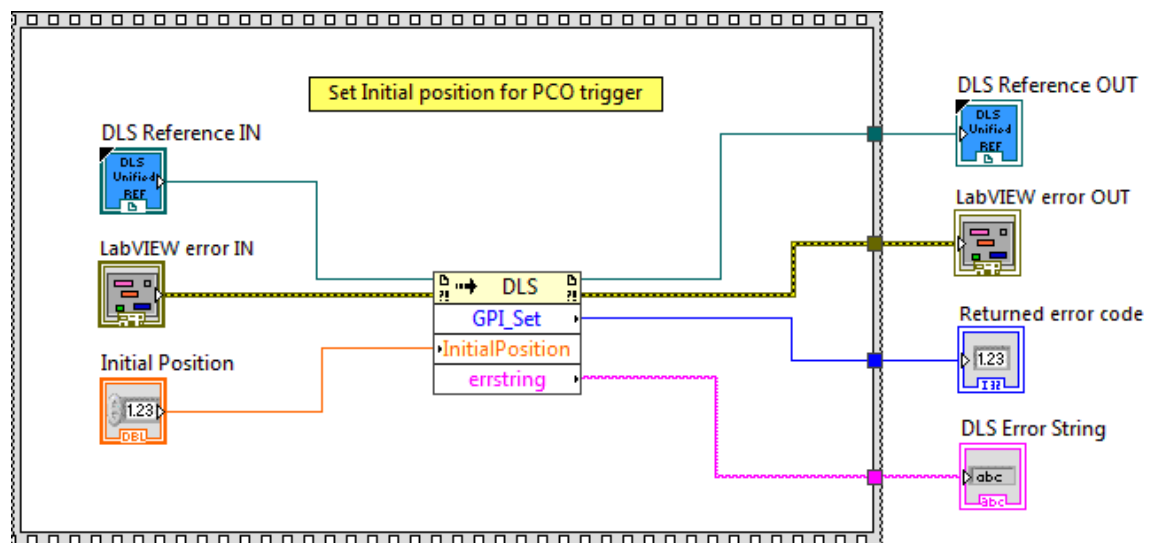
This function is used to set the Initial position for PCO trigger.

### Connector Pane

LWDLS\_GPI\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**Initial Position** Initial position



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.87 GPL\_Get

### Name

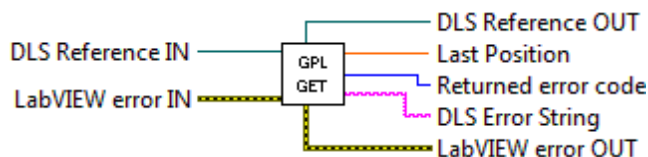
**GPL\_Get** – Get the last position for PCO trigger.

### Description

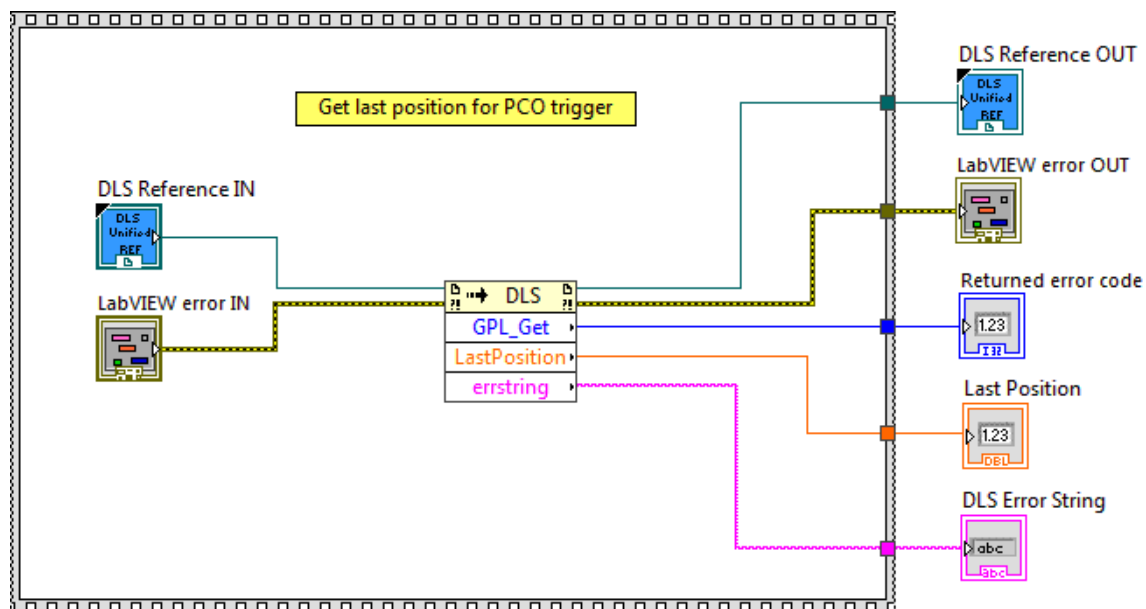
This function is used to get the last position for PCO trigger.

### Connector Pane

#### LWDLS\_GPL\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Last Position** Last position



**DLS Error String** return error string from VI

## 2.88 GPL\_Set

### Name

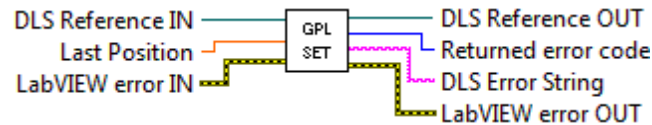
**GPL\_Set** – Set the last position for PCO trigger.

## Description

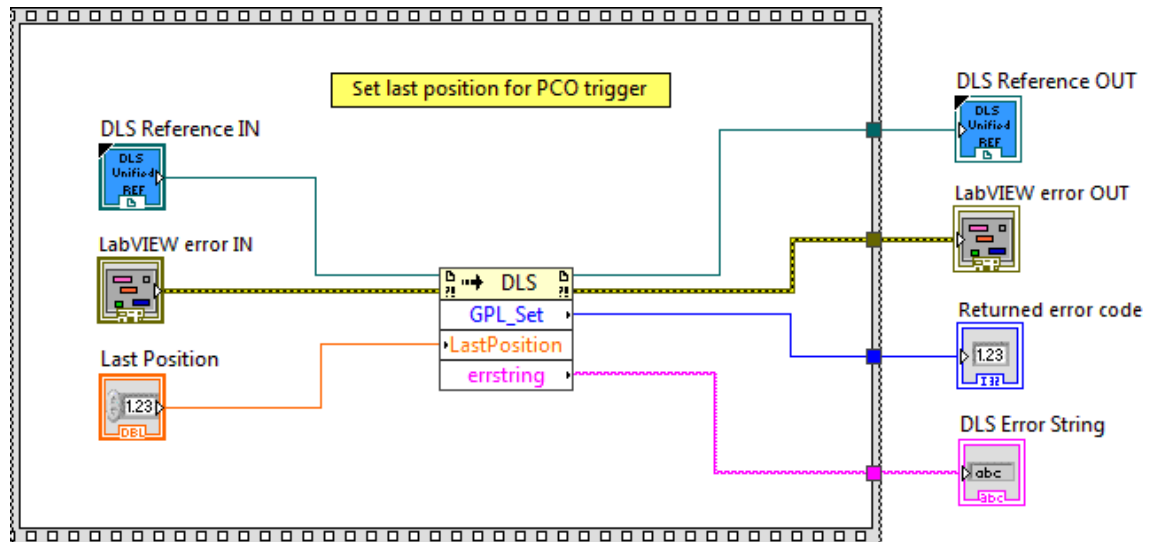
This function is used to set the last position for PCO trigger.

## Connector Pane

LWDLS\_GPL\_Set.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Last Position** Last position




**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



 **Returned Error Code** Returns function error code

 **DLS Error String** return error string from VI

## 2.89 GPS\_Get

### Name

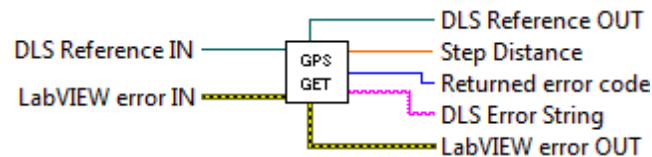
**GPS\_Get** – Get the step distance for PCO trigger.

### Description

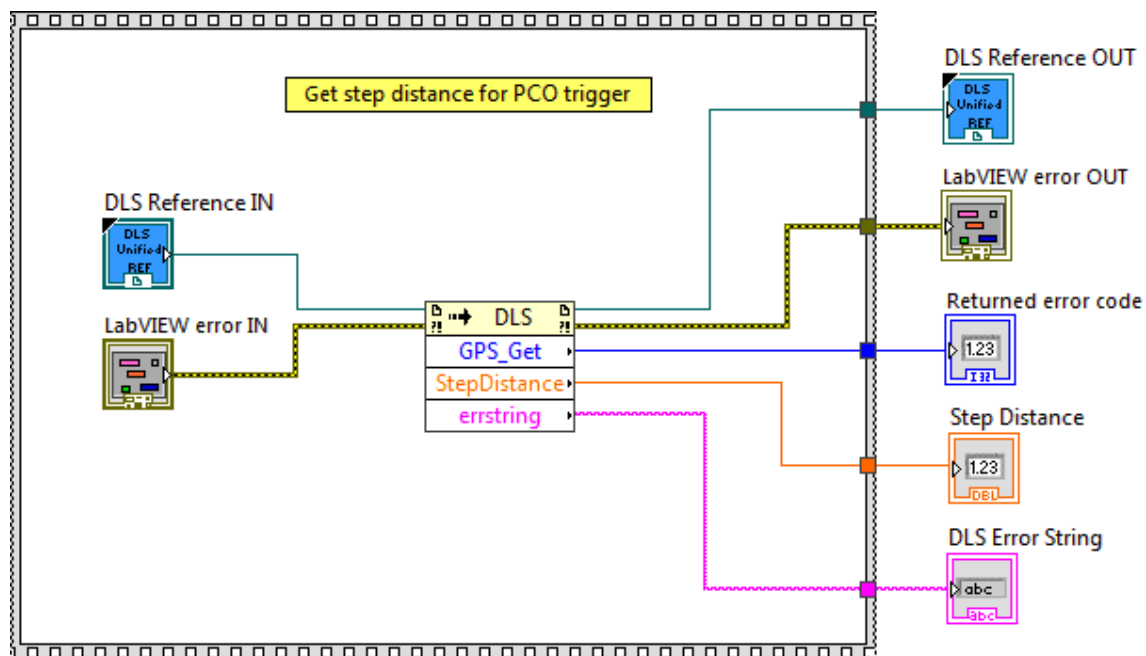
This function is used to get the step distance for PCO trigger.

### Connector Pane

LWDLS\_GPS\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Step Distance** Step distance



**DLS Error String** return error string from VI

## 2.90 GPS\_Set

### Name

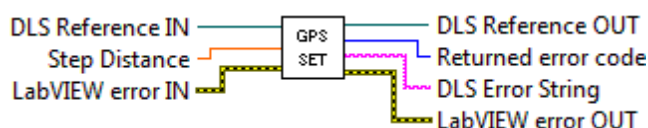
**GPS\_Set** – Set the step distance for PCO trigger.

### Description

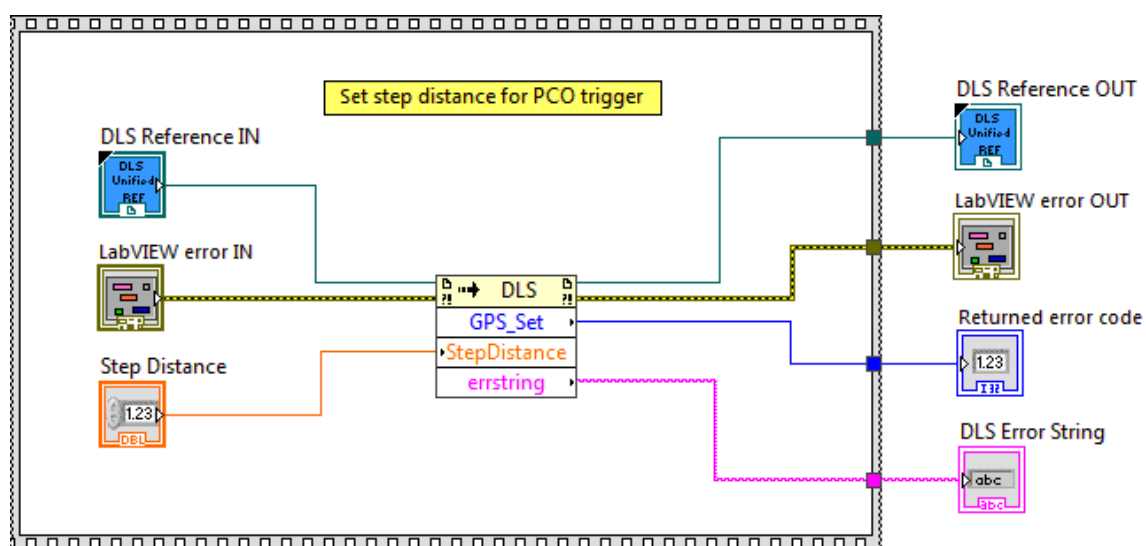
This function is used to set the step distance for PCO trigger.

### Connector Pane






#### LWDLS\_GPS\_Set.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Step Distance** Step distance
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard

error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.91 HO\_Get

### Name

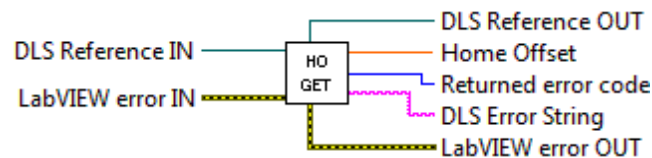
**HO\_Get** – Get the HOME search offset.

### Description

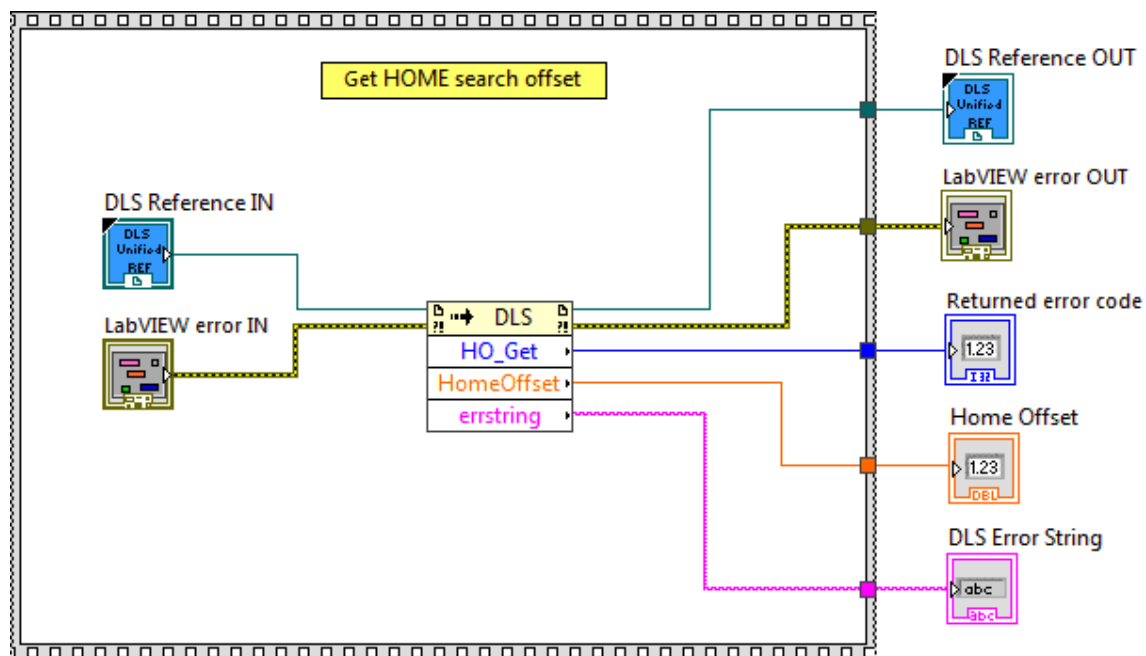
This function is used to get the HOME search offset.

### Connector Pane

LWDLS\_HO\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Home Offset** Home offset



**DLS Error String** return error string from VI

## 2.92 HO\_Set

### Name

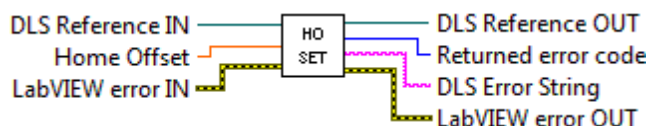
**HO\_Set** – Set the HOME search offset.

### Description

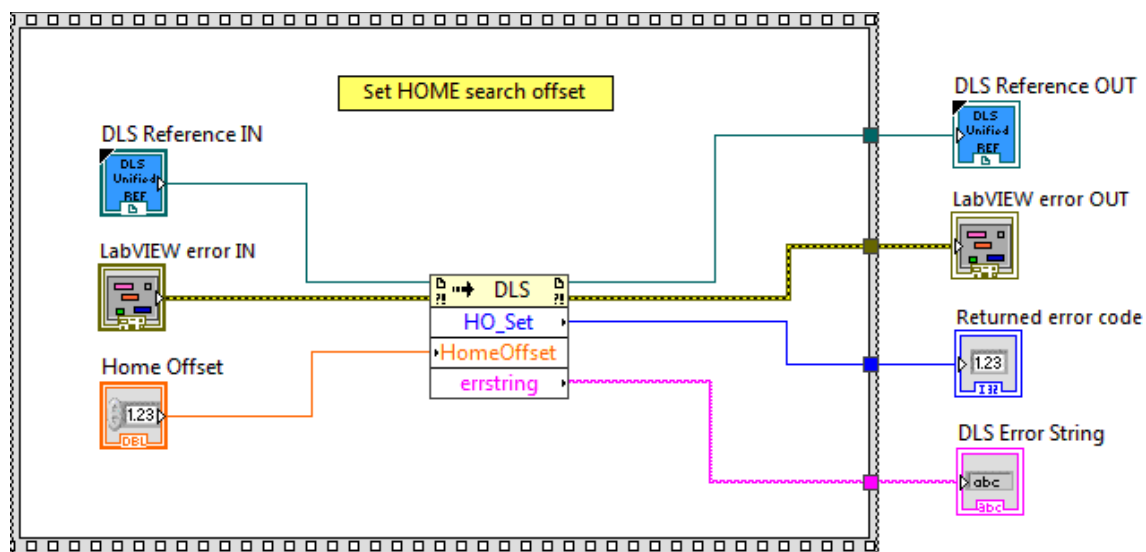
This function is used to set the HOME search offset.

### Connector Pane

#### LWDLS\_HO\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.




This input provides standard error in functionality.



**Home Offset** Home offset



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.93 HT\_Get

### Name

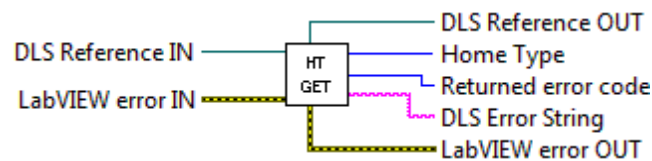
**HT\_Get** – Get the HOME search type.

### Description

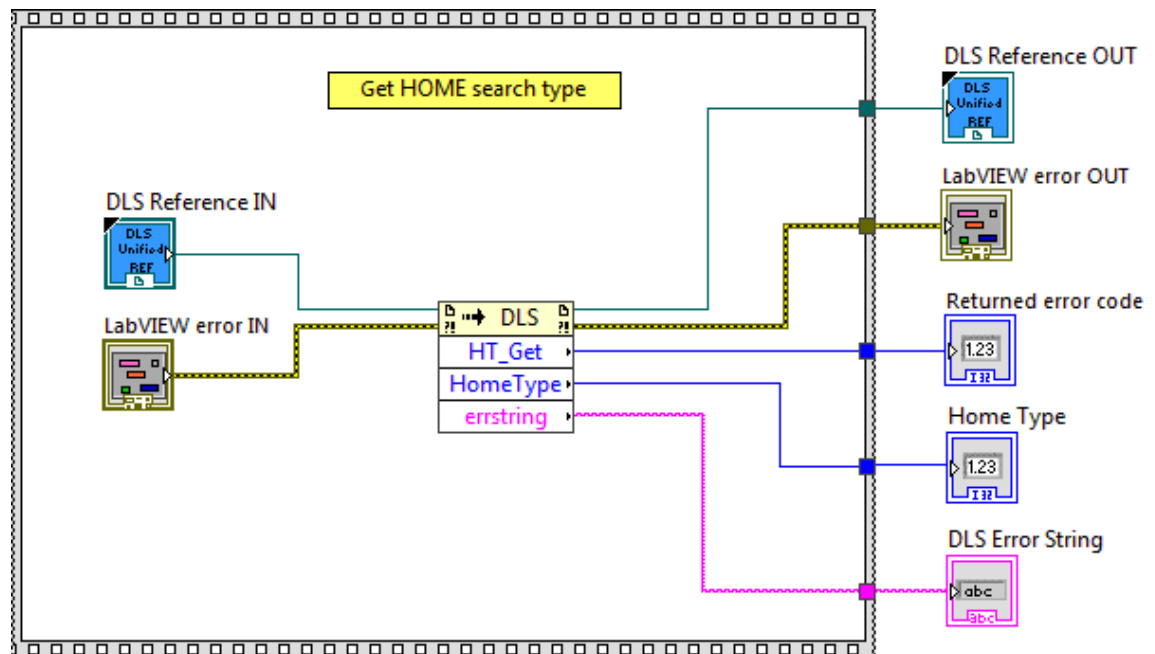
This function is used to get the HOME search type.

### Connector Pane








#### LWDLS\_HT\_Get.vi



### Screenshot



## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs.  
This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Home Type** Home type
-  **DLS Error String** return error string from VI

## 2.94 HT\_Set

**Name**



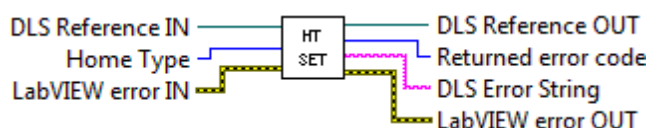
**HT\_Set** – Set the HOME search type.

### Description

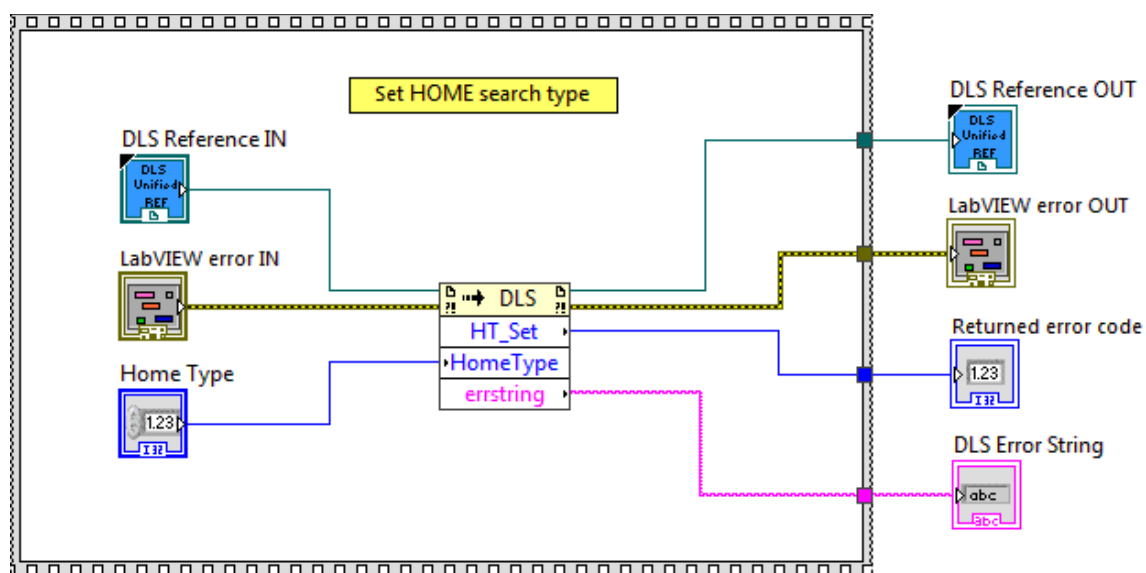
This function is used to set the HOME search type.

### Connector Pane

**LWDLS\_HT\_Set.vi**



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.




This input provides standard error in functionality.



**Home Type** Home type



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.95 ID\_Get

### Name

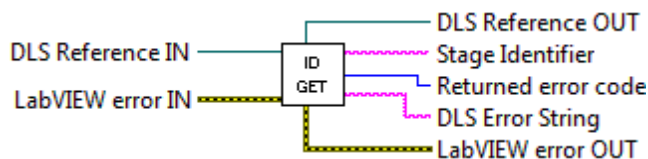
**ID\_Get** – Get stage identifier.

### Description

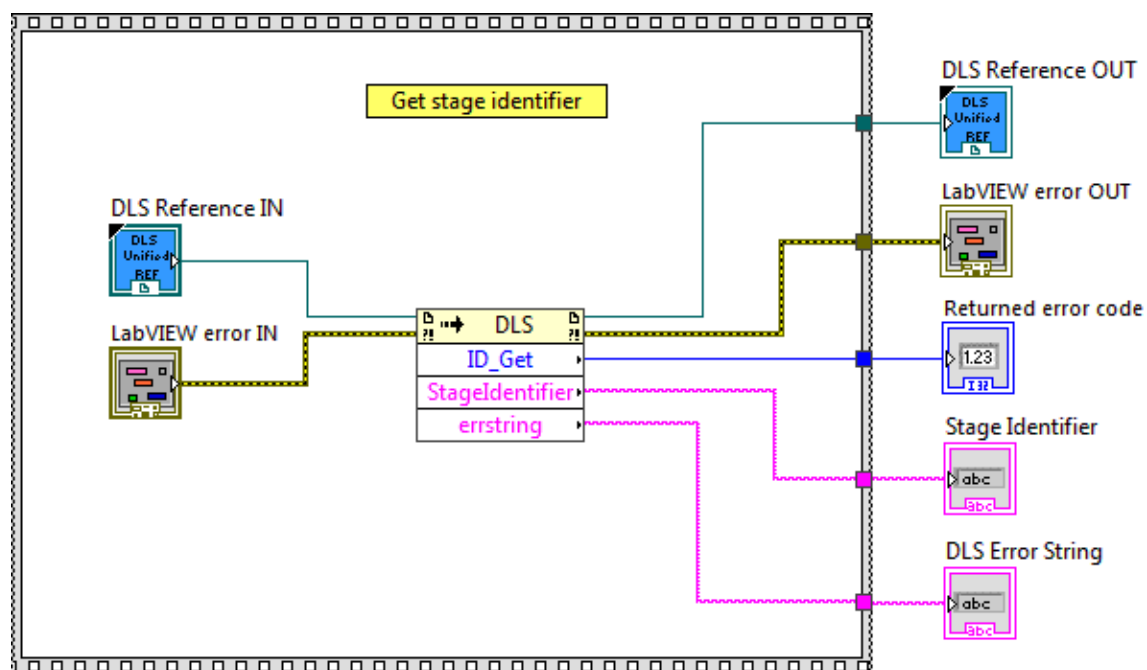
This function is used to get stage identifier.

### Connector Pane








#### LWDLS\_ID\_Get.vi



### Screenshot



## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Stage Identifier** Stage identifier
-  **DLS Error String** return error string from VI

## 2.96 ID\_Set

### Name

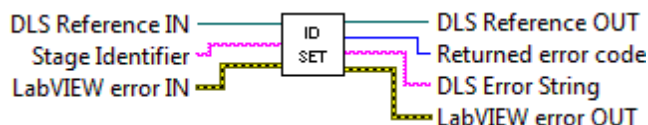
**ID\_Set** – Set stage identifier.

## Description

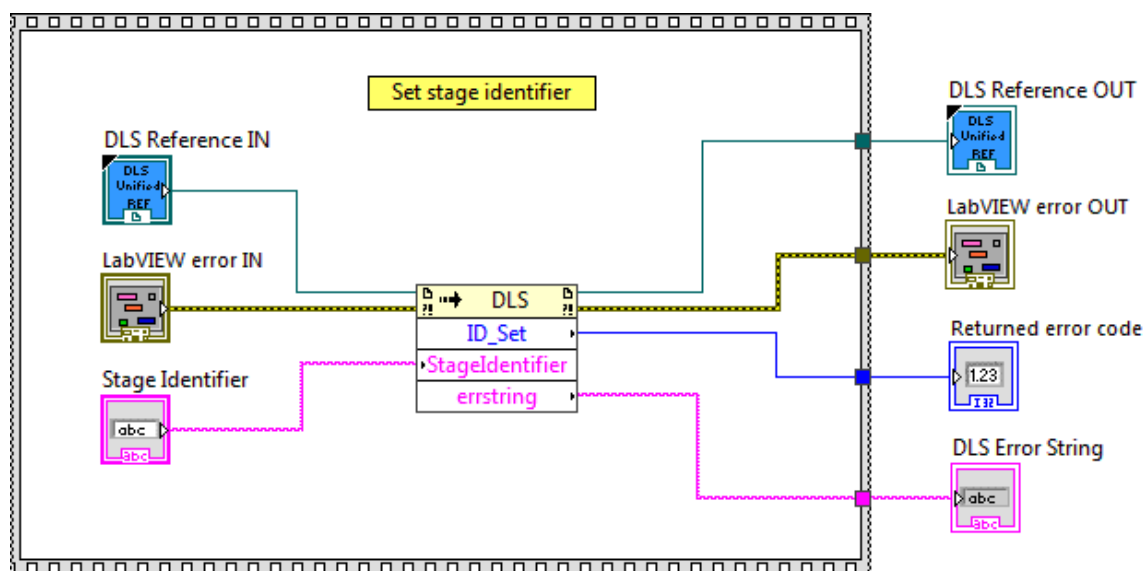
This function is used to set stage identifier.

## Connector Pane

**LWDLS\_ID\_Set.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Stage Identifier** Stage identifier



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.97 IE

### Name

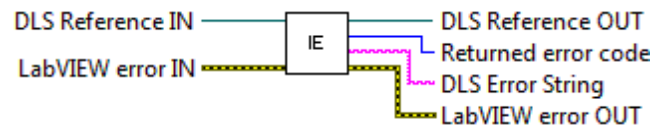
**IE** – Start the execution of the Initialization sequence as defined by the IT command.

### Description

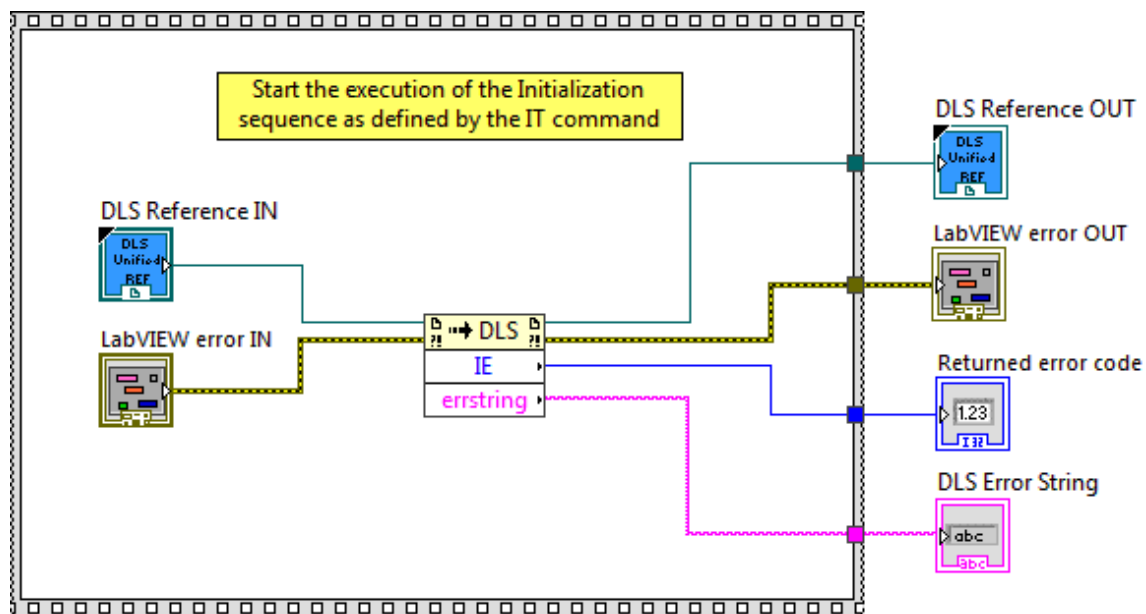
This function is used to start the execution of the Initialization sequence as defined by the IT command.

### Connector Pane







#### LWDLS\_IE.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.98 ITA\_Get

### Name

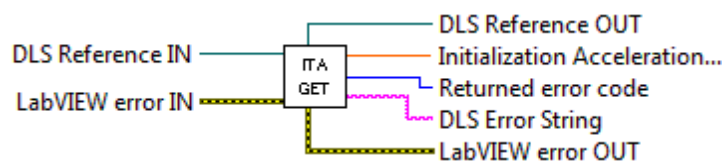
ITA\_Get – Get initialization acceleration level.

## Description

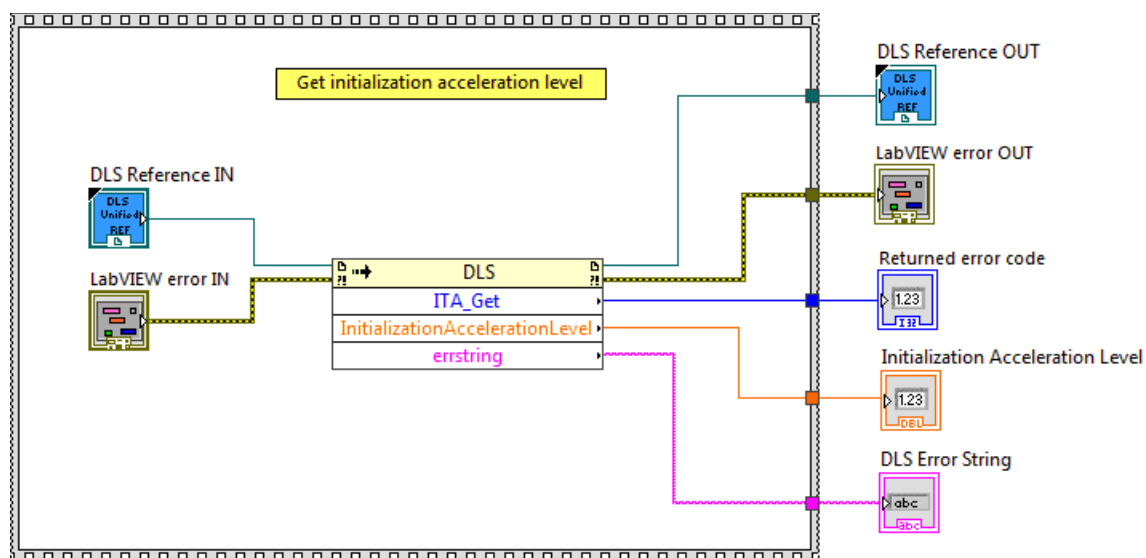
This function is used to get initialization acceleration level.

## Connector Pane

**LWDLS\_ITA\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.




This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.

-  **Returned Error Code** Returns function error code
-  **Initialization Acceleration Level** Initialization Acceleration Level
-  **DLS Error String** return error string from VI

## 2.99 ITA\_Set

### Name

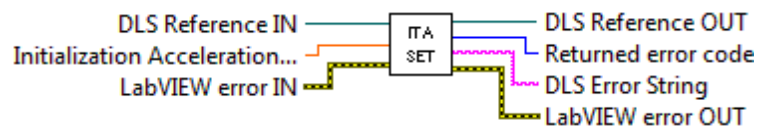
ITA\_Set – Set initialization acceleration level.

### Description

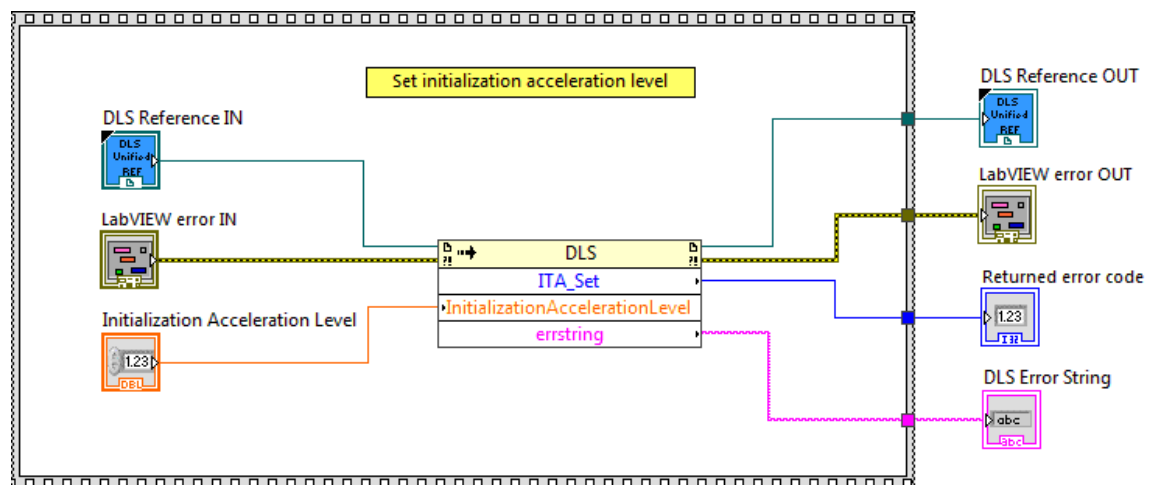
This function is used to set initialization acceleration level.

### Connector Pane

#### LWDLS\_ITA\_Set.vi



### Screenshot





## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**Initialization Acceleration Level** Initialization Acceleration Level



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.100 ITD\_Get

### Name

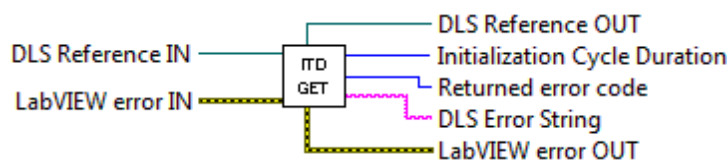
**ITD\_Get** – Get initialization cycle duration.

### Description

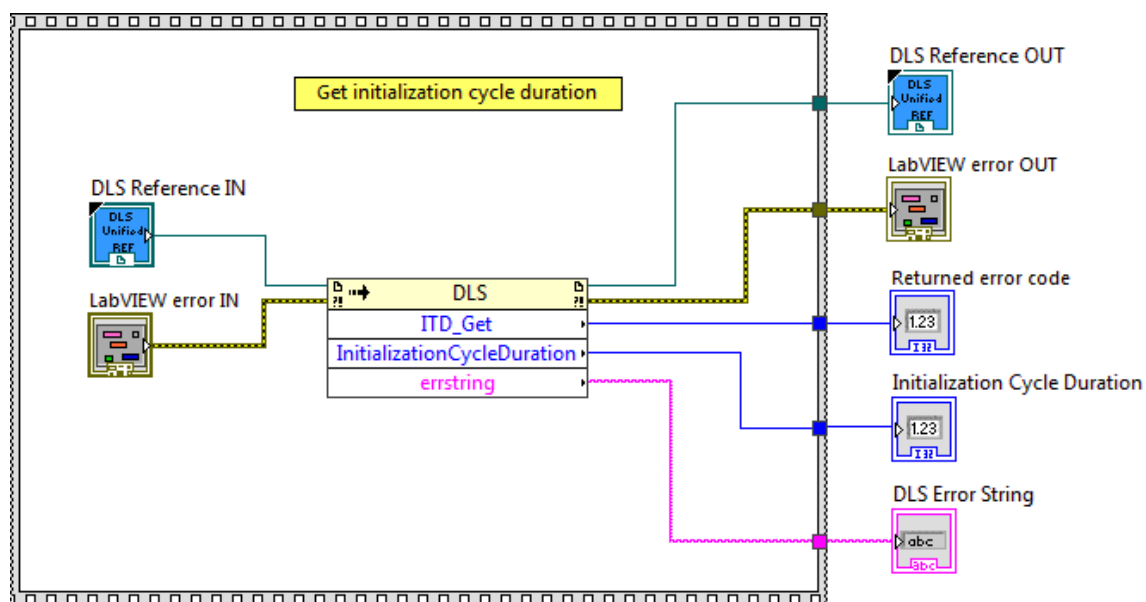
This function is used to get initialization cycle duration.

### Connector Pane








#### LWDLS\_ITD\_Get.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Initialization Cycle Duration** Initialization Cycle Duration
-  **DLS Error String** return error string from VI

### 2.101 ITD\_Set

#### Name

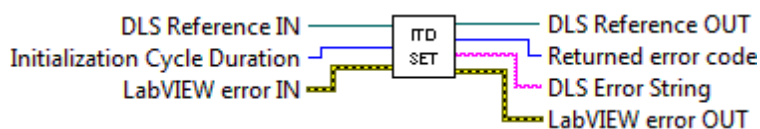
**ITD\_Set** – Set initialization cycle duration.

## Description

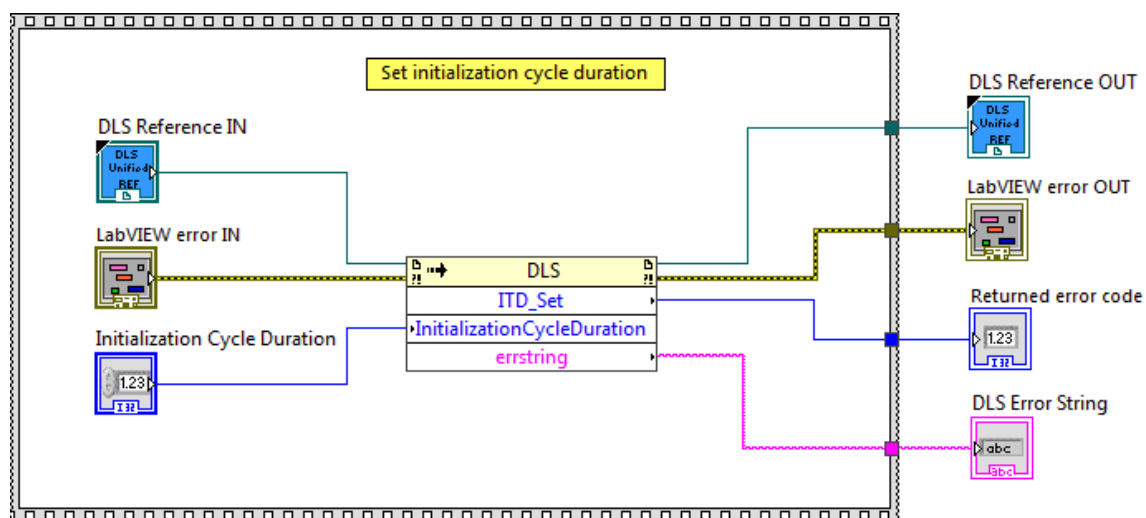
This function is used to set initialization cycle duration.

## Connector Pane






### LWDLS\_ITD\_Set.vi




## Screenshot



## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Initialization Cycle Duration** Initialization Cycle Duration
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.

 **Returned Error Code** Returns function error code

 **DLS Error String** return error string from VI

## 2.102 JA\_Get

### Name

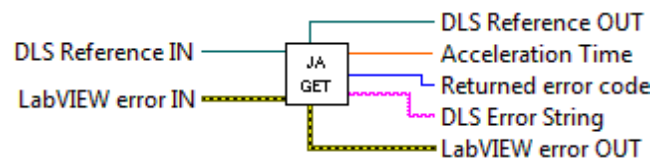
**JA\_Get** – Get acceleration in jogging mode with a remote keypad.

### Description

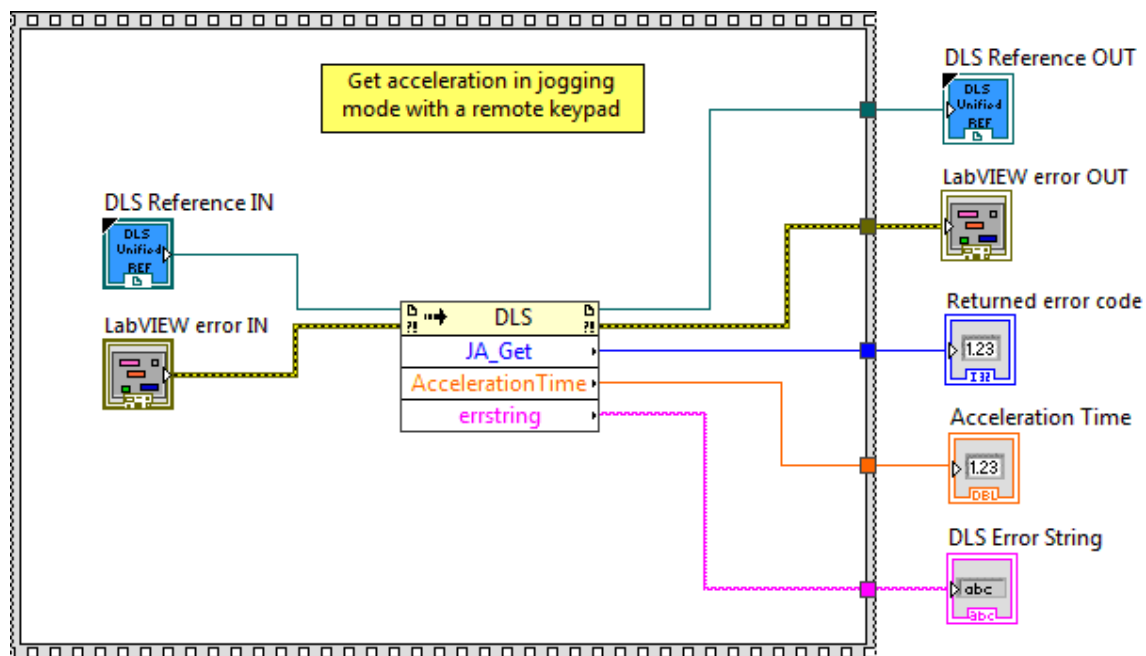
This function is used to get acceleration in jogging mode with a remote keypad.

### Connector Pane

#### LWDLS\_JA\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Acceleration Time** Acceleration time



**DLS Error String** return error string from VI

## 2.103 JA\_Set

### Name

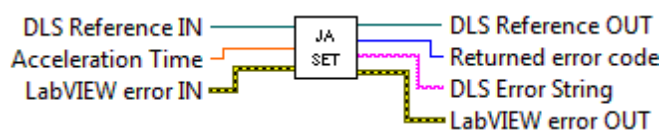
**JA\_Set** – Get acceleration in jogging mode with a remote keypad.

### Description

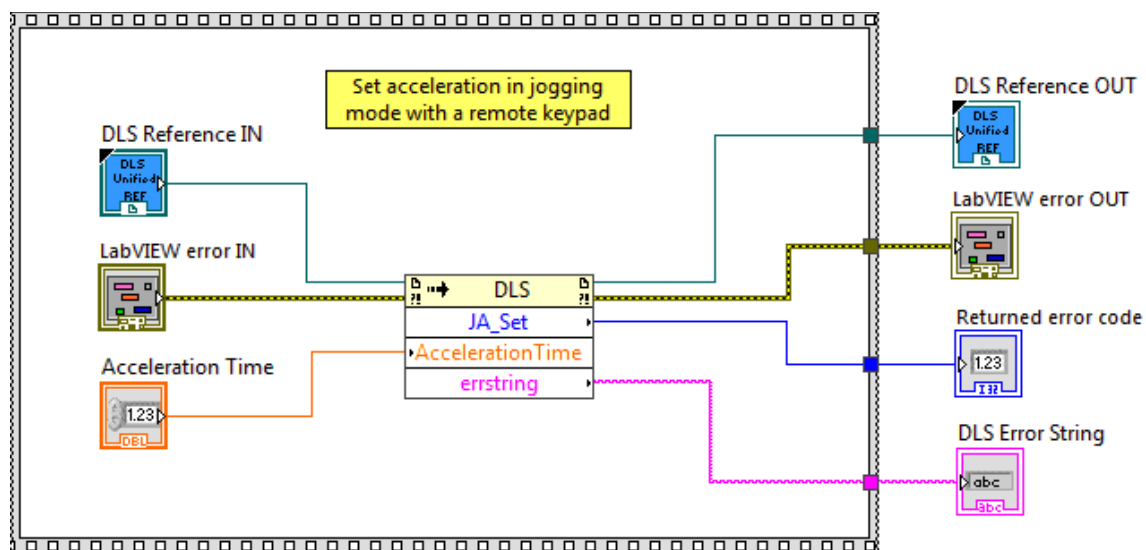
This function is used to set acceleration in jogging mode with a remote keypad.

### Connector Pane

#### LWDLS\_JA\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.




This input provides standard error in functionality.



**Acceleration Time** Acceleration time



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.104 JD

### Name

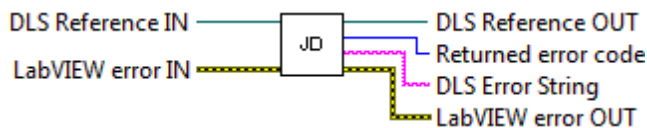
**JD** – Leave JOGGING state.

### Description

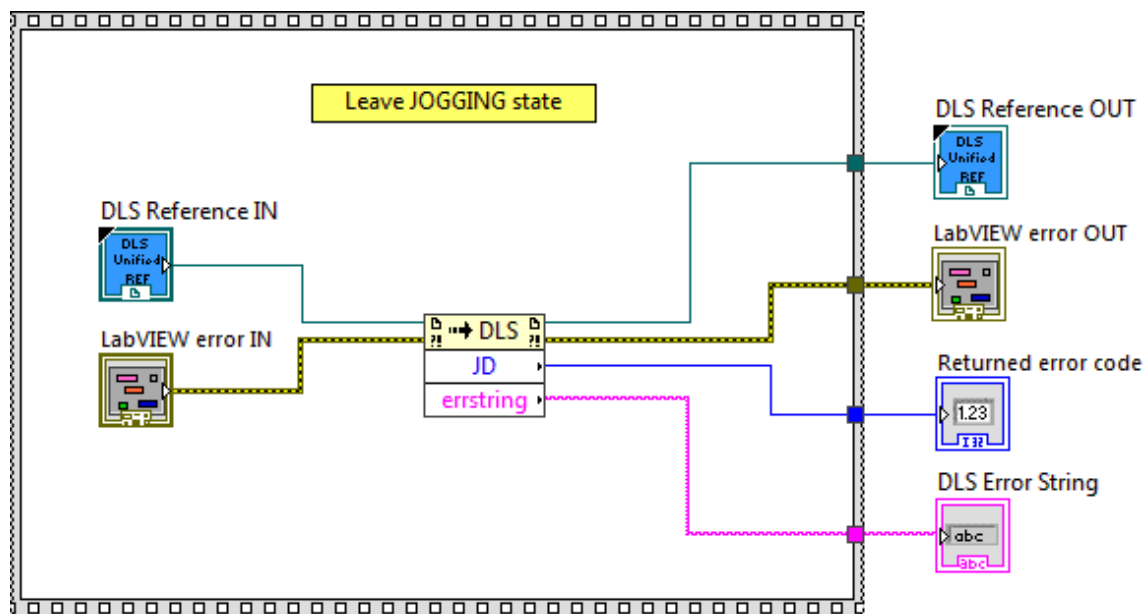
This function is used to leave JOGGING state.

### Connector Pane







**LWDLS\_JD.vi**



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.105 JM\_Get

### Name

**JM\_Get** – Enable/Disable Keypad.

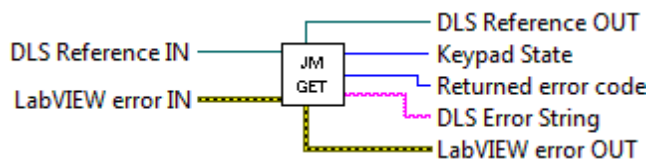


## Description

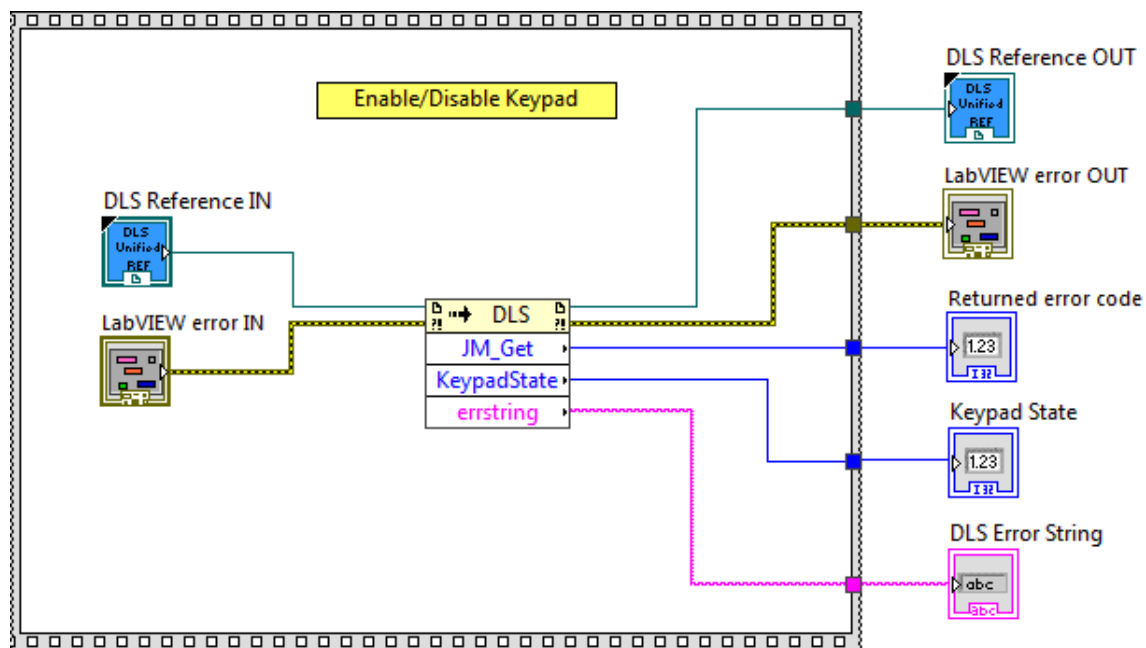
This function is used to Enable/Disable Keypad.

## Connector Pane

**LWDLS\_JM\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.






**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.

-  **Returned Error Code** Returns function error code
-  **Keypad State** Keypad state
-  **DLS Error String** return error string from VI

## 2.106 JM\_Set

### Name

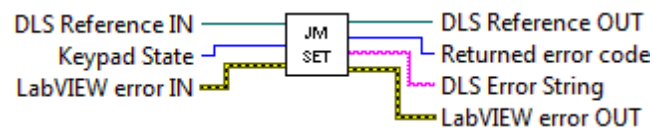
**JM\_Set** – Enable/Disable Keypad.

### Description

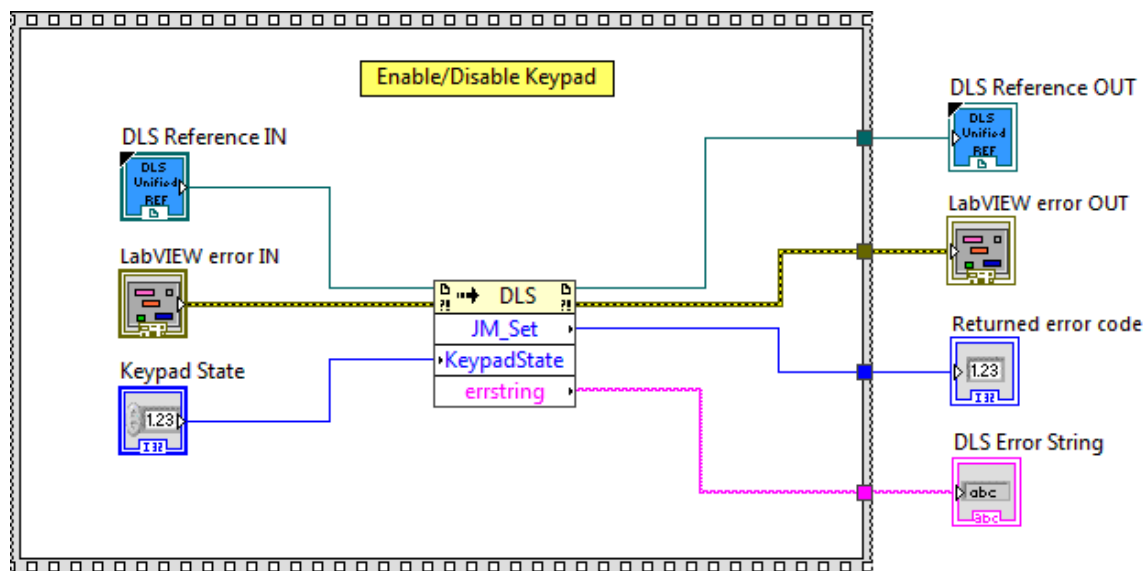
This function is used to Enable/Disable Keypad.

### Connector Pane








LWDLS\_JM\_Set.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Keypad State** Keypad state
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.107 JR\_Get

### Name

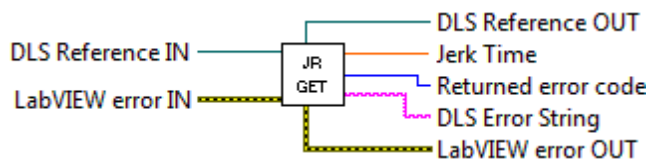
**JR\_Get** – Get jerk time.

## Description

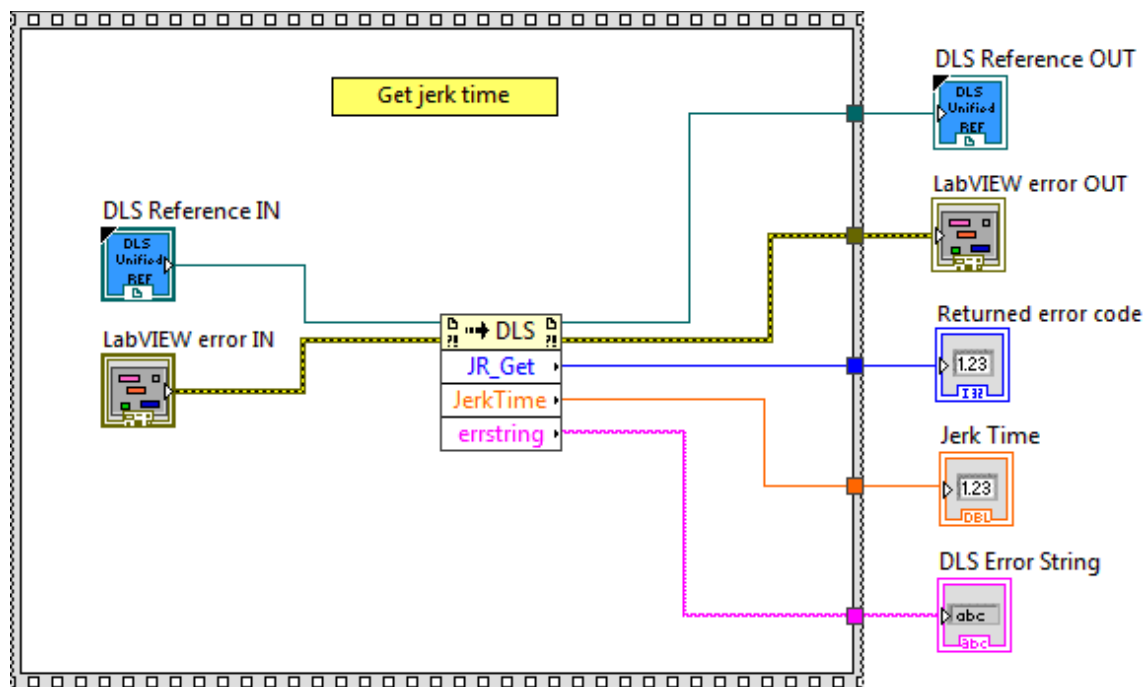
This function is used to get jerk time.

## Connector Pane

**LWDLS\_JR\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference







**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Jerk Time** Jerk time
-  **DLS Error String** return error string from VI

## 2.108 JR\_Set

### Name

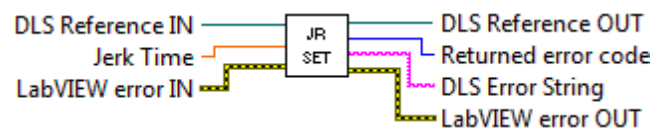
**JR\_Set** – Set jerk time.

### Description

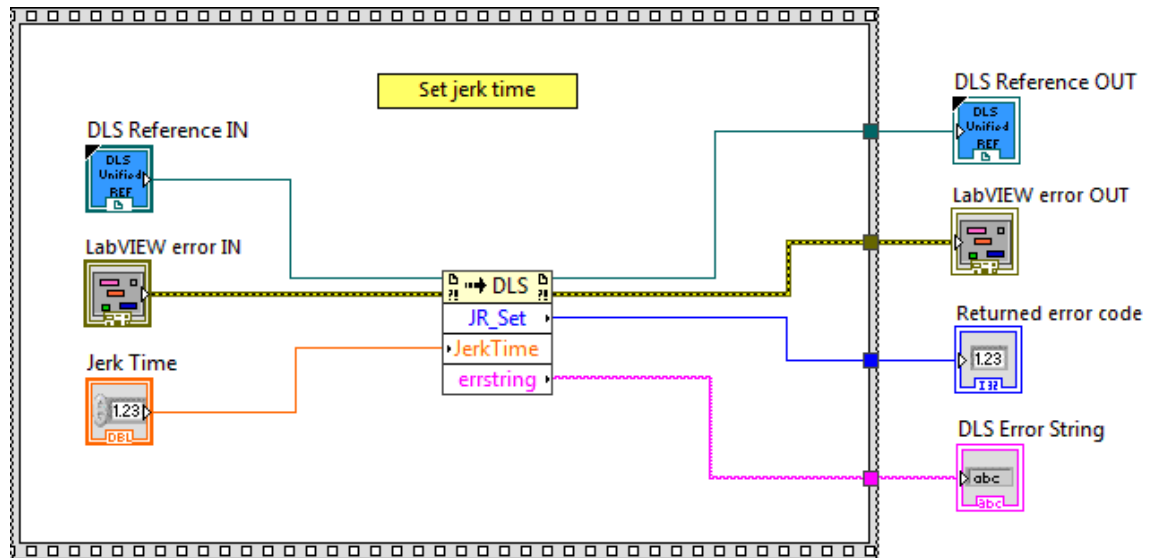
This function is used to set jerk time.

### Connector Pane

#### LWDLS\_JR\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Jerk Time** Jerk time



**DLS Reference OUT** returns DLS Reference



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.109 JV\_Get

### Name

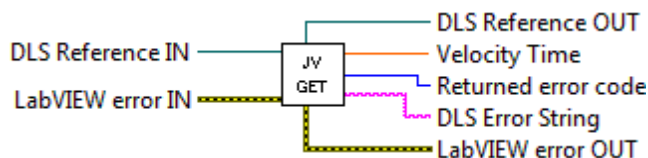
**JV\_Get** – Get velocity in jogging mode with a remote keypad.

## Description

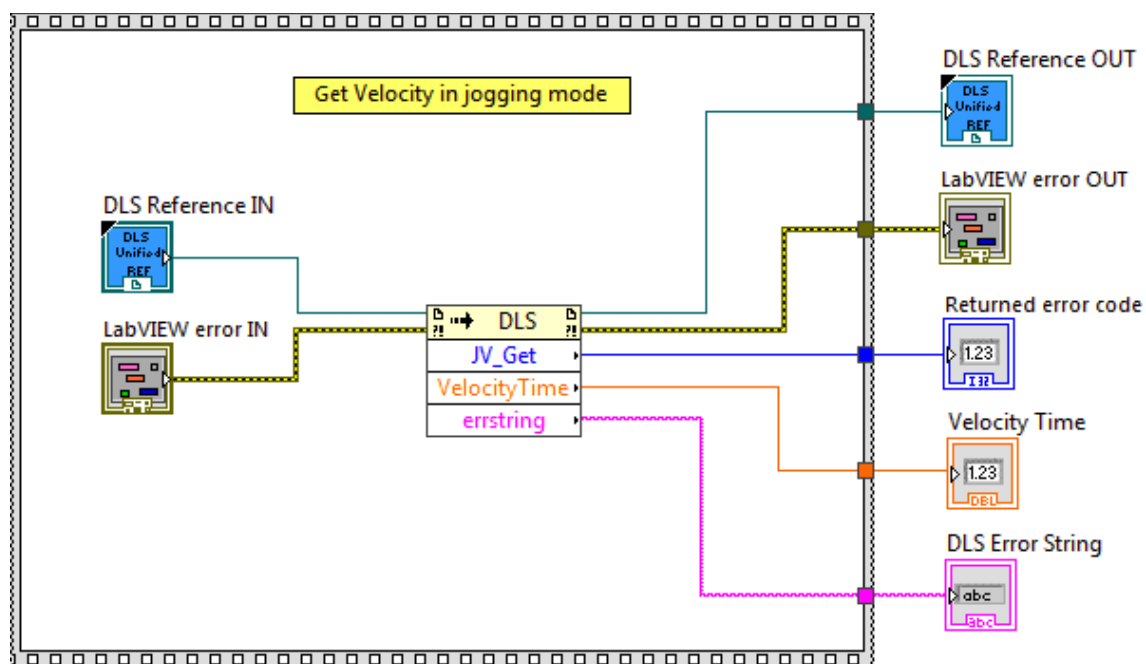
This function is used to get velocity in jogging mode with a remote keypad.

## Connector Pane

**LWDLS\_JV\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference







**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Velocity Time** Velocity time
-  **DLS Error String** return error string from VI

## 2.110 JV\_Set

### Name

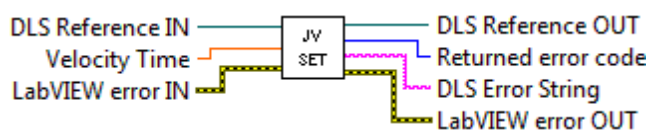
**JV\_Set** – Set velocity in jogging mode with a remote keypad.

### Description

This function is used to set velocity in jogging mode with a remote keypad.

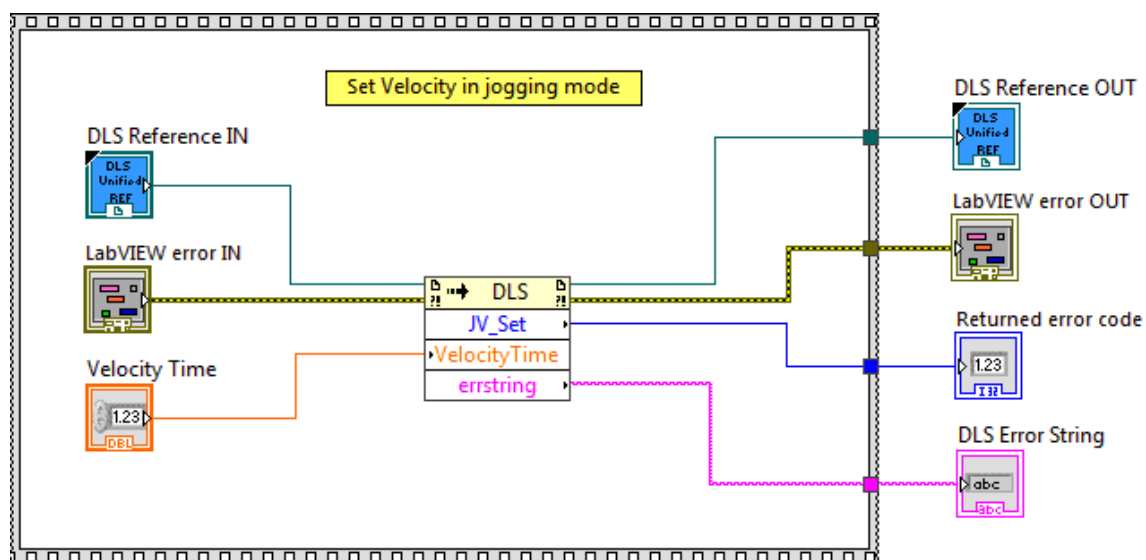
### Connector Pane

#### LWDLS\_JV\_Set.vi



### Screenshot





### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Velocity Time** Velocity time



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.111 KD\_Get

### Name

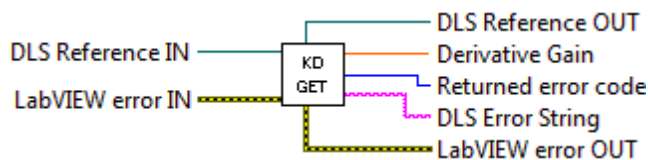
**KD\_Get** – Get derivative gain.

### Description

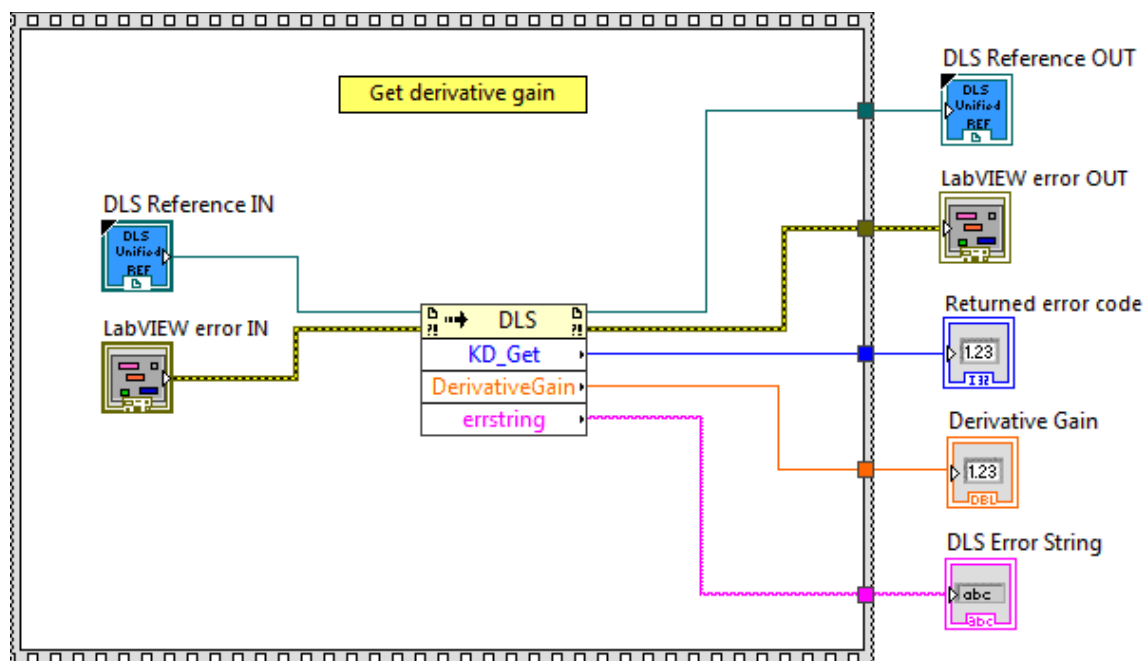
This function is used to get derivative gain.

### Connector Pane

**LWDLS\_KD\_Get.vi**



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.




**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.

 **Returned Error Code** Returns function error code

 **Derivative Gain** Derivative gain

 **DLS Error String** return error string from VI

## 2.112 KD\_Set

### Name

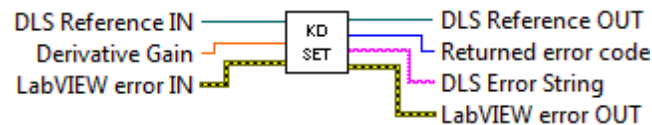
**KD\_Set** – Set derivative gain.

### Description

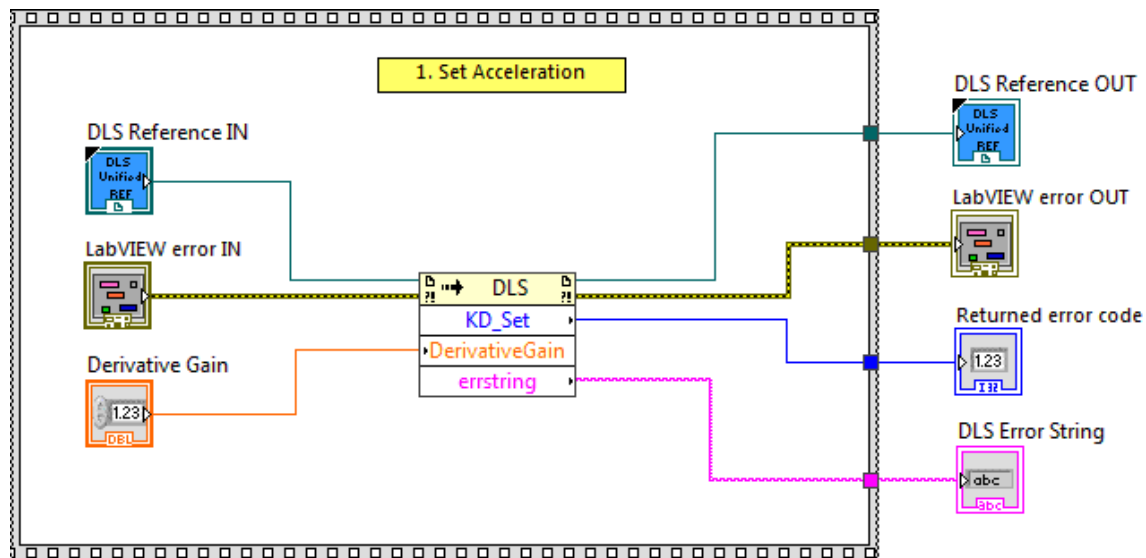
This function is used to set derivative gain.

### Connector Pane

LWDLS\_KD\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**Derivative Gain** Derivative gain



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

### 2.113 KGD\_Get

#### Name

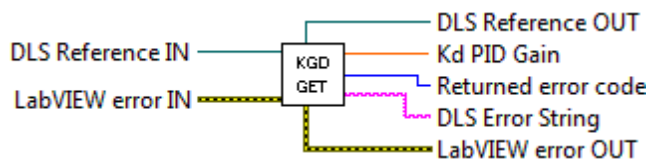
**KGD\_Get** – Get Kd PID gain.

## Description

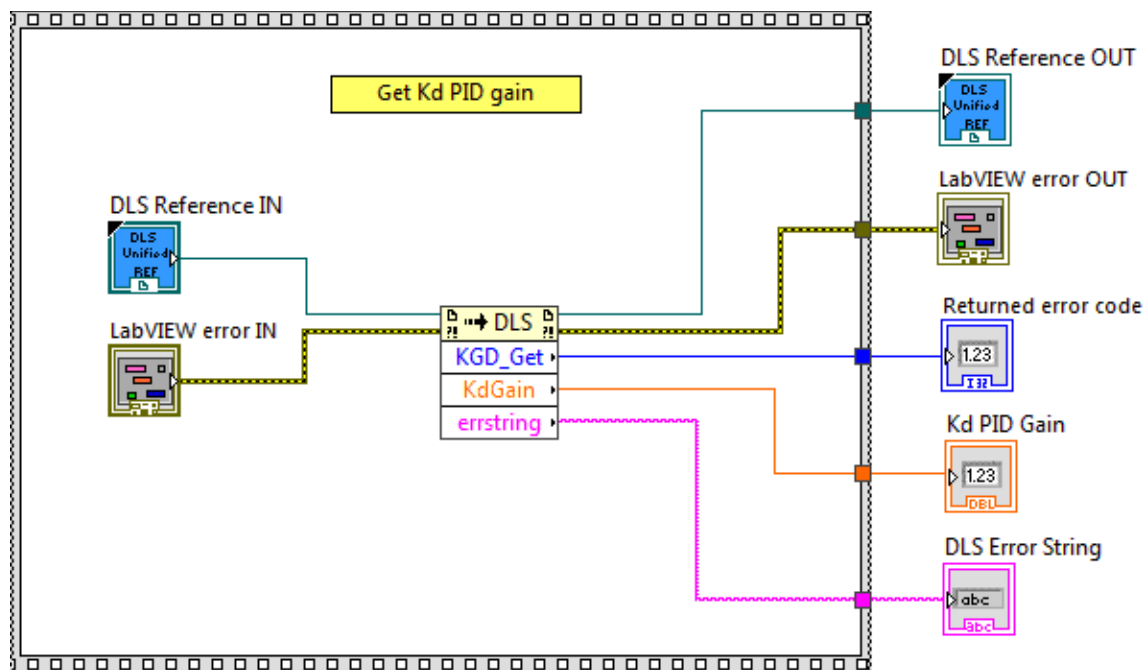
This function is used to get Kd PID gain.

## Connector Pane

**LWDLS\_KGD\_Get.vi**



## Screenshot



## Controls and Indicators







**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Kd PID Gain** Kd PID gain
-  **DLS Error String** return error string from VI

## 2.114 KGD\_Set

### Name

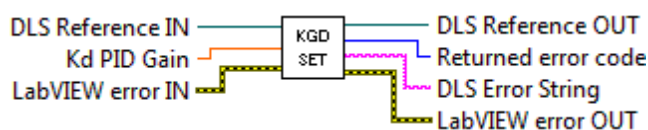
**KGD\_Set** – Set Kd PID gain.

### Description

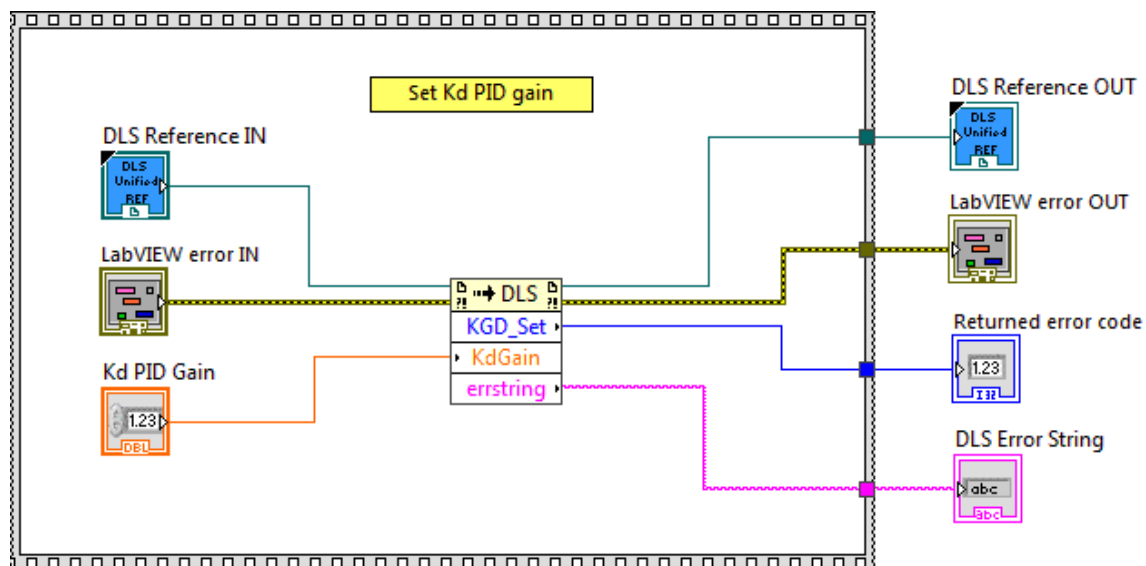
This function is used to set Kd PID gain.

### Connector Pane








#### LWDLS\_KGD\_Set.vi



### Screenshot



## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Kd PID Gain** Kd PID gain
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.115 KGF\_Get

### Name

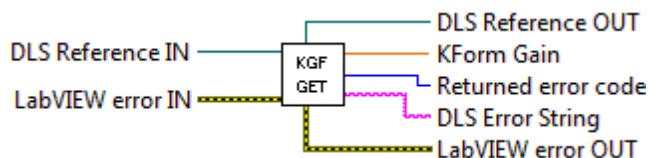
**KGF\_Get** – Get Kform gain.

## Description

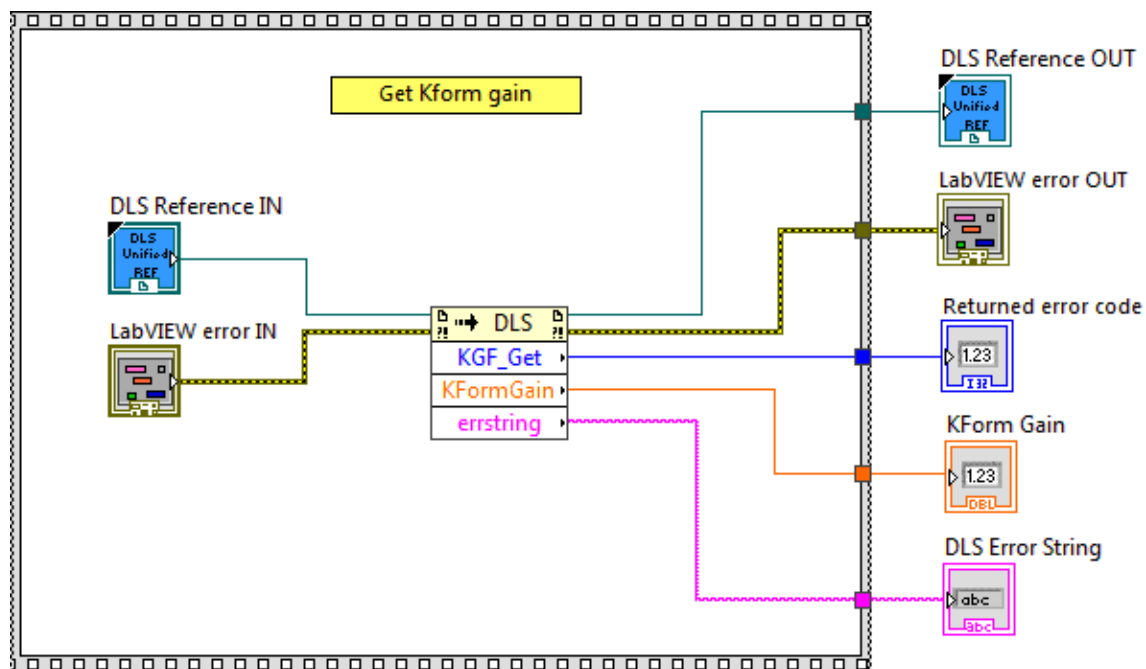
This function is used to get Kform gain.

## Connector Pane

**LWDLS\_KGF\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.






**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard



error out functionality.

-  **Returned Error Code** Returns function error code
-  **KForm Gain** Kform gain
-  **DLS Error String** return error string from VI

## 2.116 KGF\_Set

### Name

**KGF\_Set** – Set Kform gain.

### Description

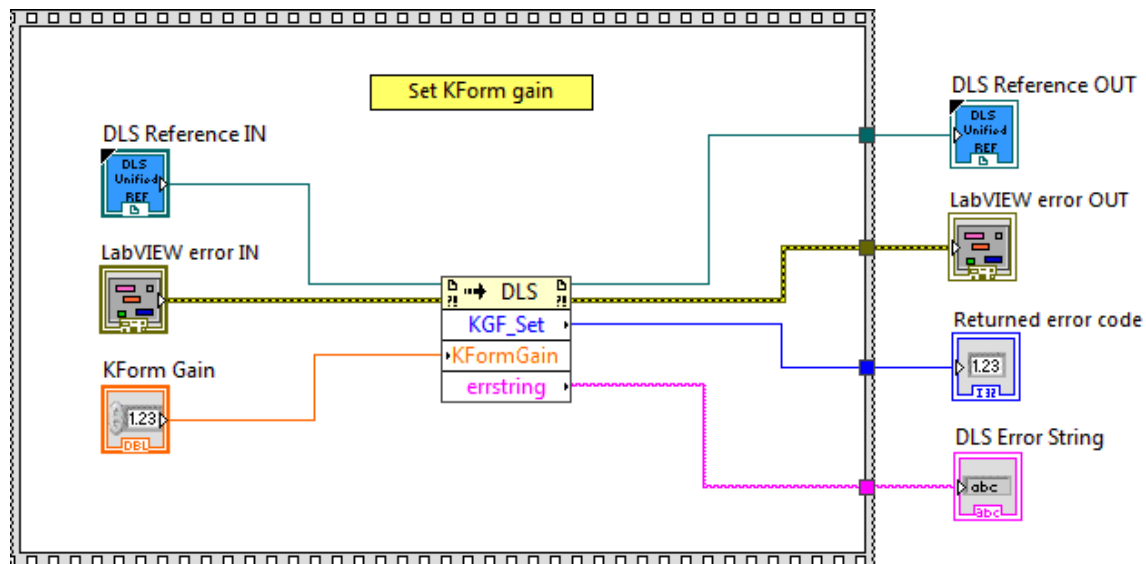
This function is used to set Kform gain.

### Connector Pane








#### LWDLS\_KGF\_Set.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **KForm Gain** Kform gain
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

### 2.117 KGI\_Get

#### Name

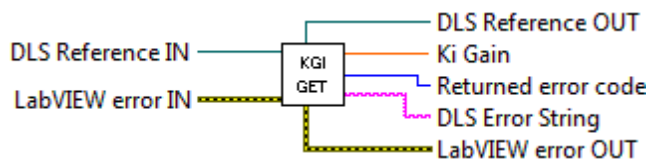
**KGI\_Get** – Get Ki gain.

## Description

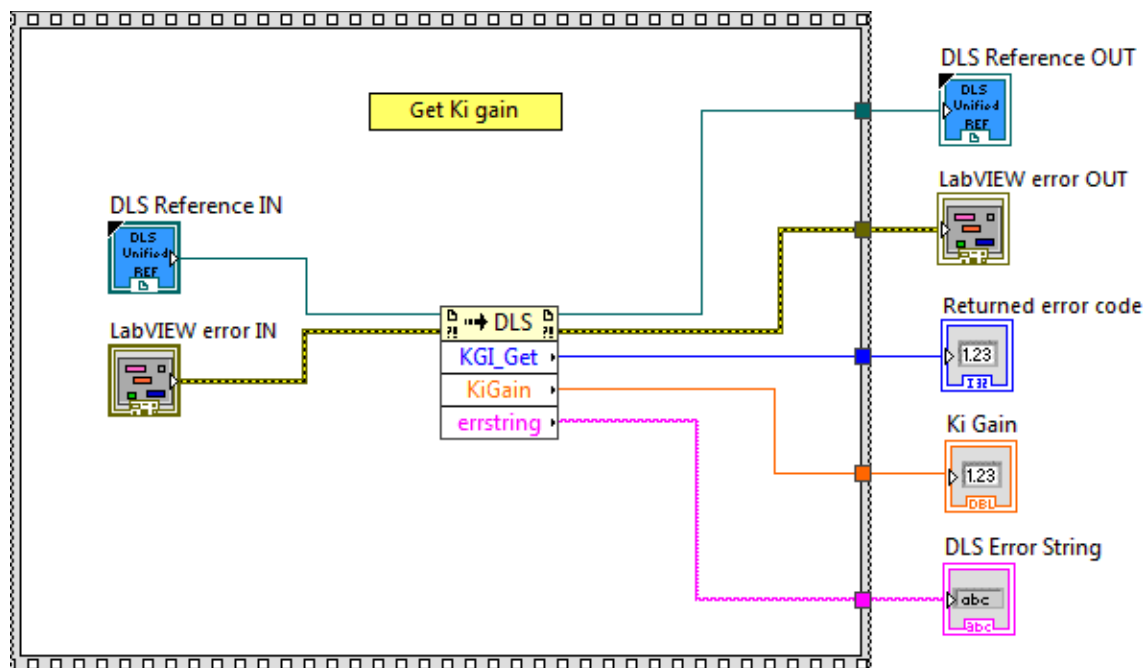
This function is used to get Ki gain.

## Connector Pane

LWDLS\_KGI\_Get.vi



## Screenshot



## Controls and Indicators







**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Ki Gain** Ki gain
-  **DLS Error String** return error string from VI

## 2.118 KGI\_Set

### Name

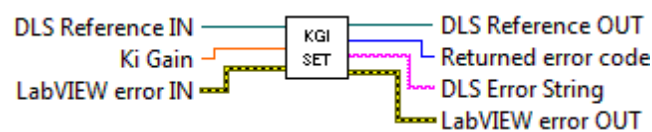
**KGI\_Set** – Set Ki gain.

### Description

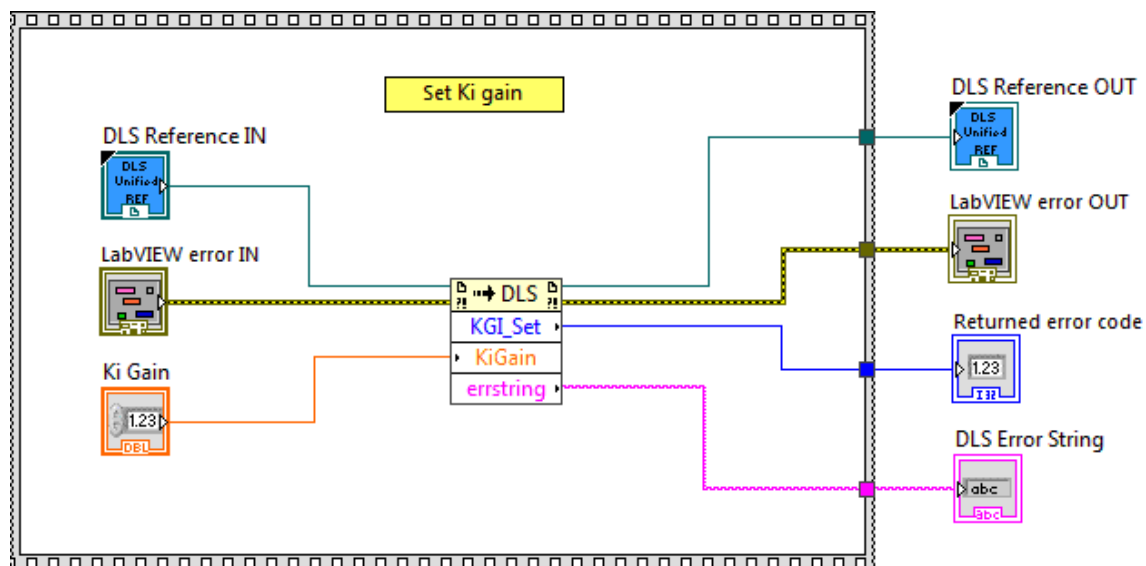
This function is used to set Ki gain.

### Connector Pane








#### LWDLS\_KGI\_Set.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Ki Gain** Ki gain
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

### 2.119 KGP\_Get

#### Name

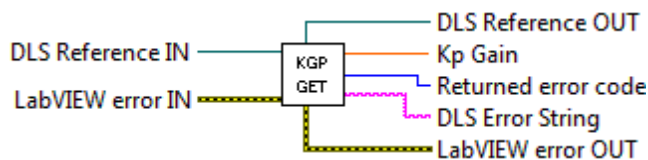
**KGP\_Get** – Get Kp gain.

## Description

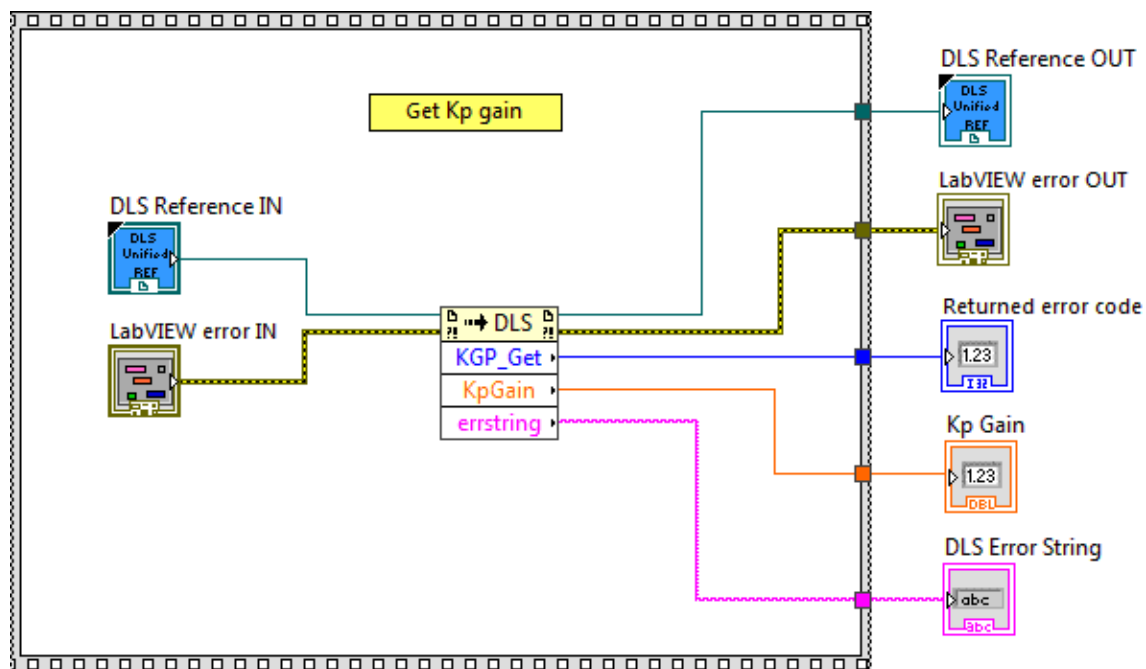
This function is used to get Kp gain.

## Connector Pane

**LWDLS\_KGP\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.






**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.

-  **Returned Error Code** Returns function error code
-  **Kp Gain** Kp gain
-  **DLS Error String** return error string from VI

## 2.120 KGP\_Set

### Name

**KGP\_Set** – Set Kp gain.

### Description

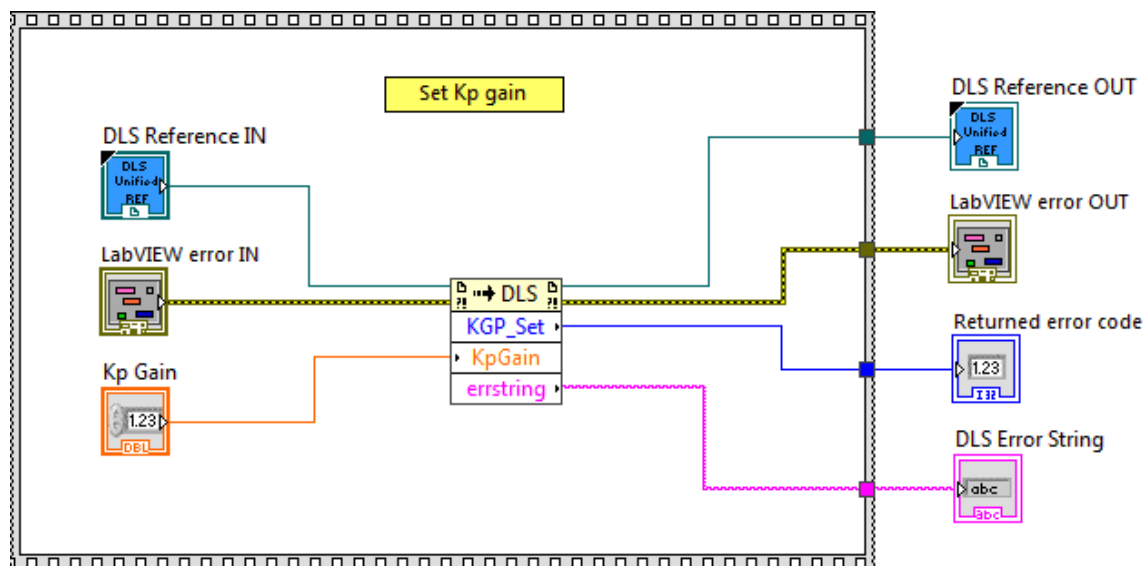
This function is used to set Kp gain.

### Connector Pane








#### LWDLS\_KGP\_Set.vi



### Screenshot



## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Kp Gain** Kp gain
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

### 2.121 KI\_Get

#### Name

**KI\_Get** – Get integral gain.

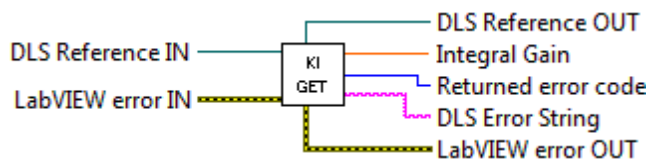


## Description

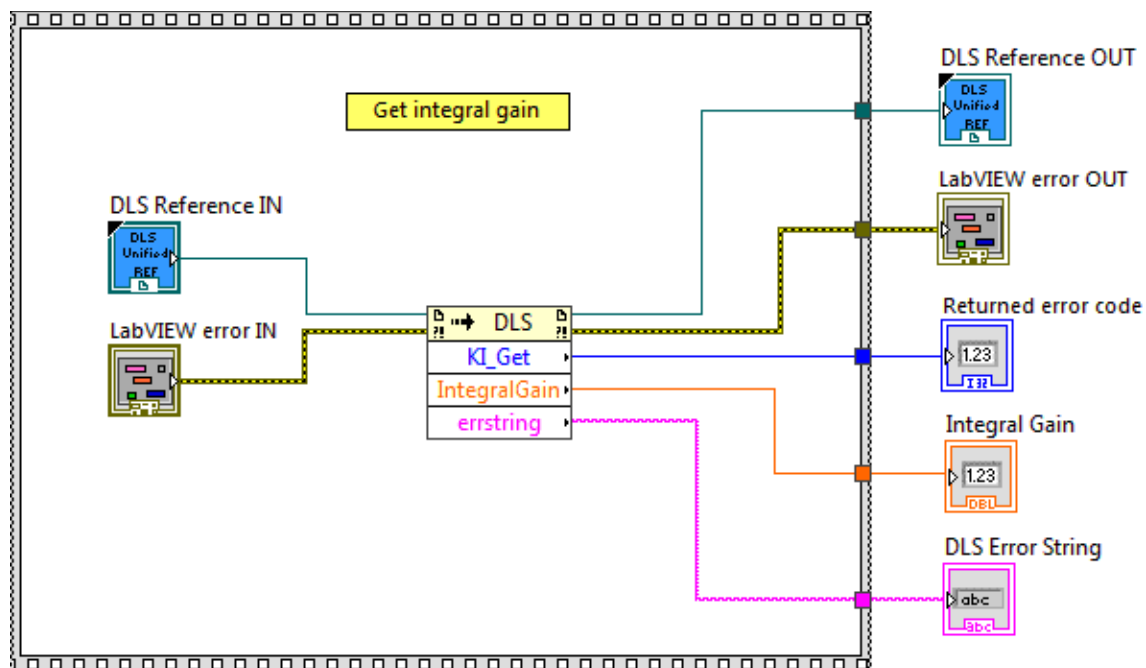
This function is used to get integral gain.

## Connector Pane

**LWDLS\_KI\_Get.vi**



## Screenshot



## Controls and Indicators







**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Integral Gain** Integral gain
-  **DLS Error String** return error string from VI

## 2.122 KI\_Set

### Name

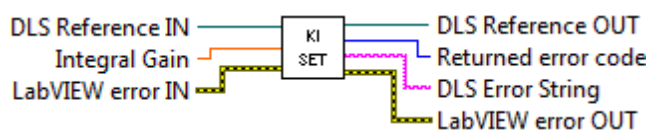
**KI\_Set** – Set integral gain.

### Description

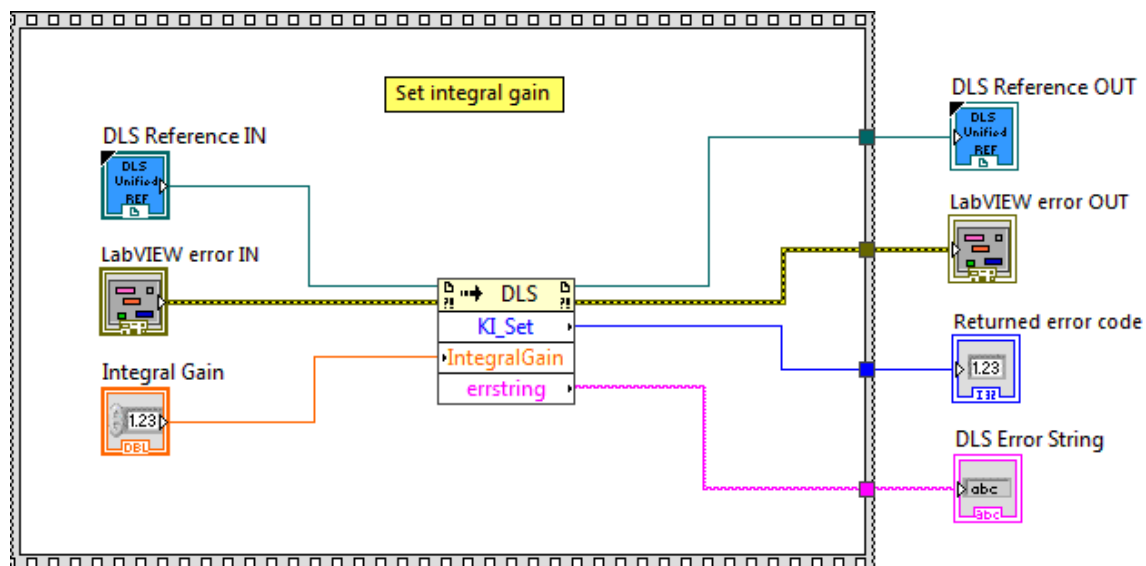
This function is used to set integral gain.

### Connector Pane

#### LWDLS\_KI\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Integral Gain** Integral gain



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

### 2.123 KP\_Get

#### Name

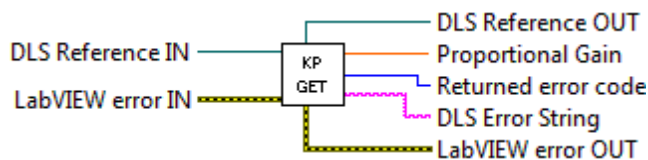
**KP\_Get** – Get proportional gain.

## Description

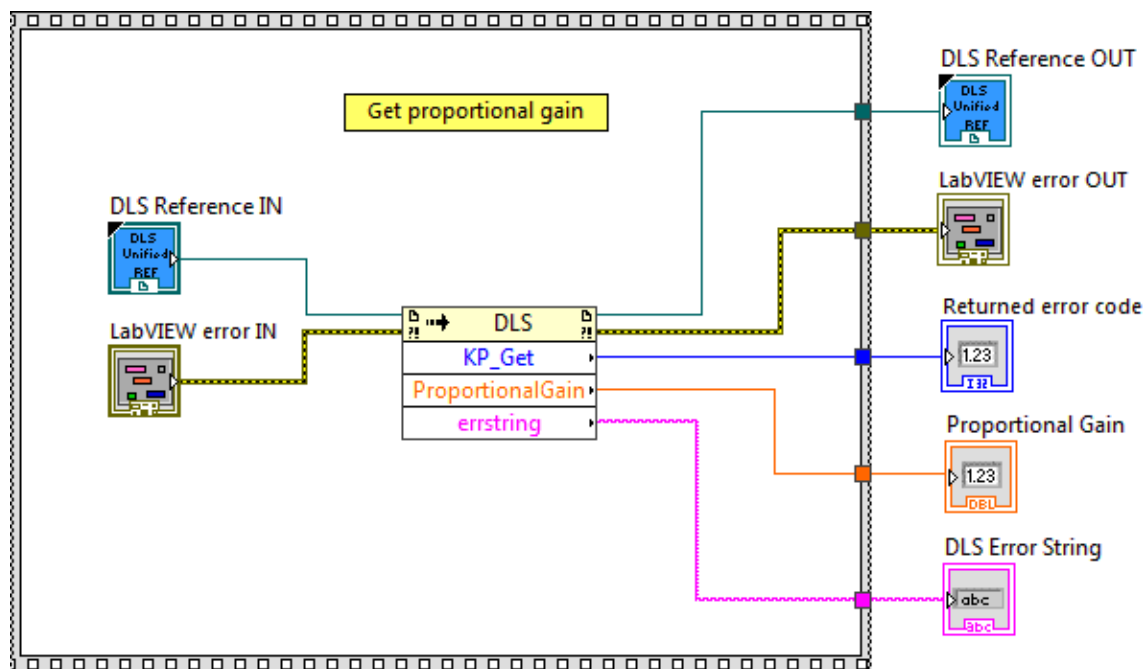
This function is used to get proportional gain.

## Connector Pane

**LWDLS\_KP\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.






**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.

-  **Returned Error Code** Returns function error code
-  **Proportional Gain** Proportional gain
-  **DLS Error String** return error string from VI

## 2.124 KP\_Set

### Name

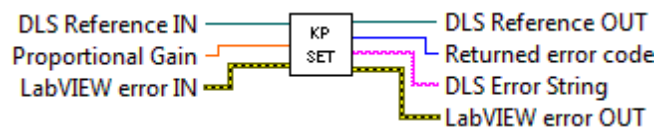
**KP\_Set** – Set proportional gain.

### Description

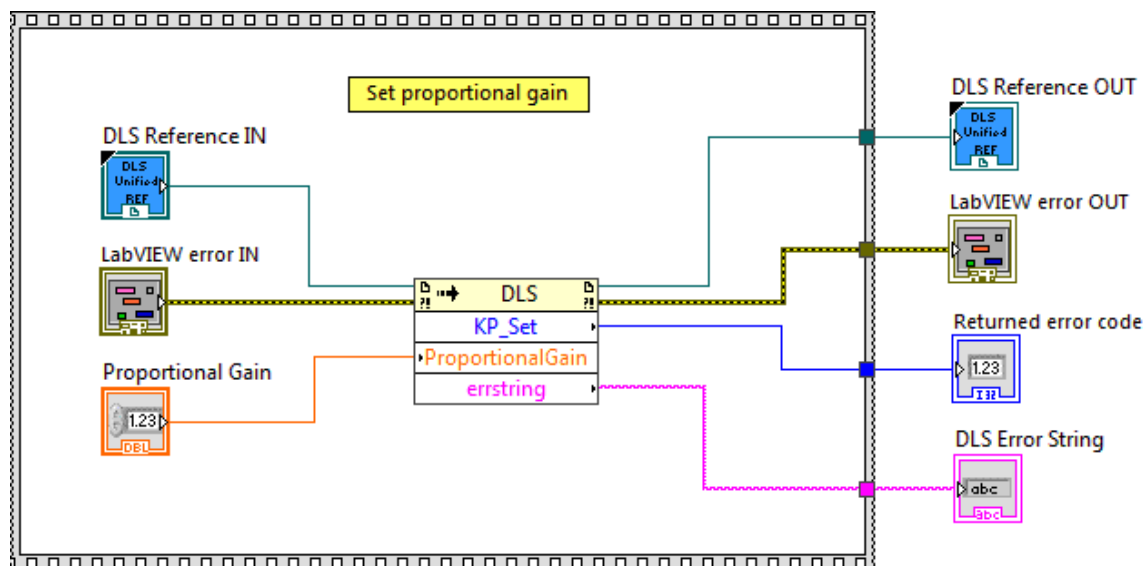
This function is used to set proportional gain.

### Connector Pane








#### LWDLS\_KP\_Set.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Proportional Gain** Proportional gain
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

### 2.125 KS\_Get

#### Name

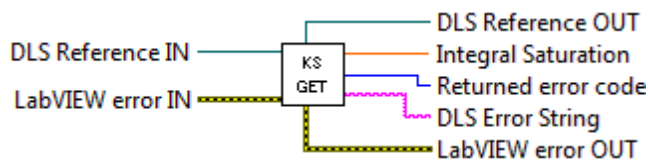
**KS\_Get** – Get the integral saturation level of the PID control loop.

## Description

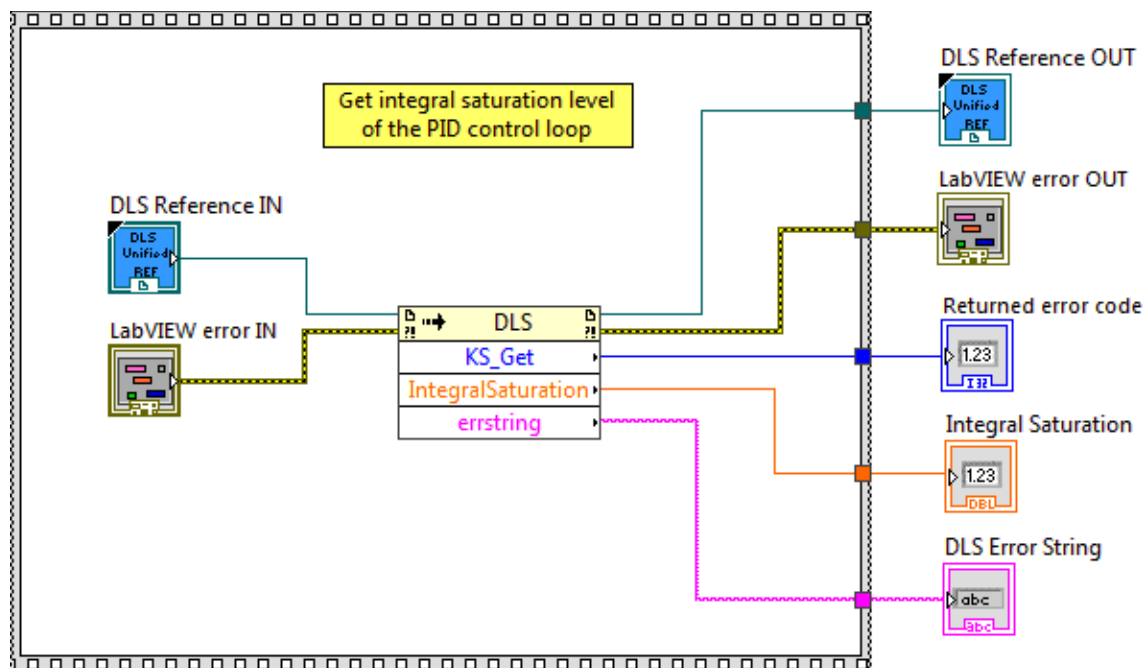
This function is used to get the integral saturation level of the PID control loop.

## Connector Pane

### LWDLS\_KS\_Get.vi



## Screenshot



## Controls and Indicators







**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Integral Saturation** Integral saturation
-  **DLS Error String** return error string from VI

## 2.126 KS\_Set

### Name

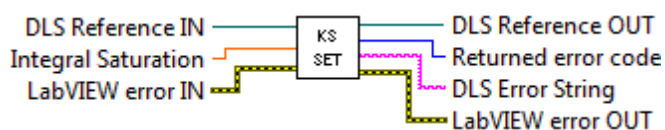
**KS\_Set** – Set the integral saturation level of the PID control loop.

### Description

This function is used to set the integral saturation level of the PID control loop.

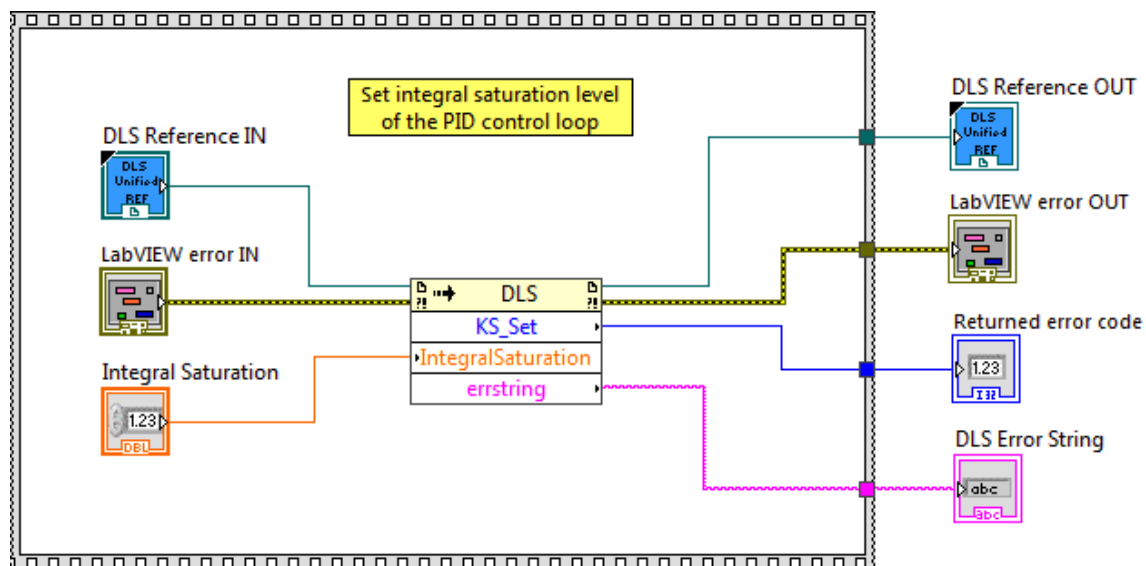
### Connector Pane

#### LWDLS\_KS\_Set.vi










### Screenshot





## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Integral Saturation** Integral saturation
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.127 LT\_Get

### Name

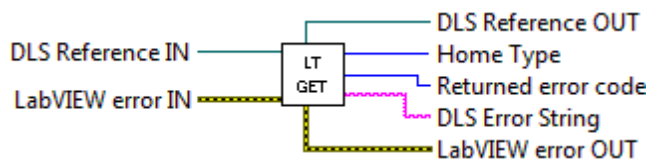
**LT\_Get** – Get the limits type of the encoder plug.

## Description

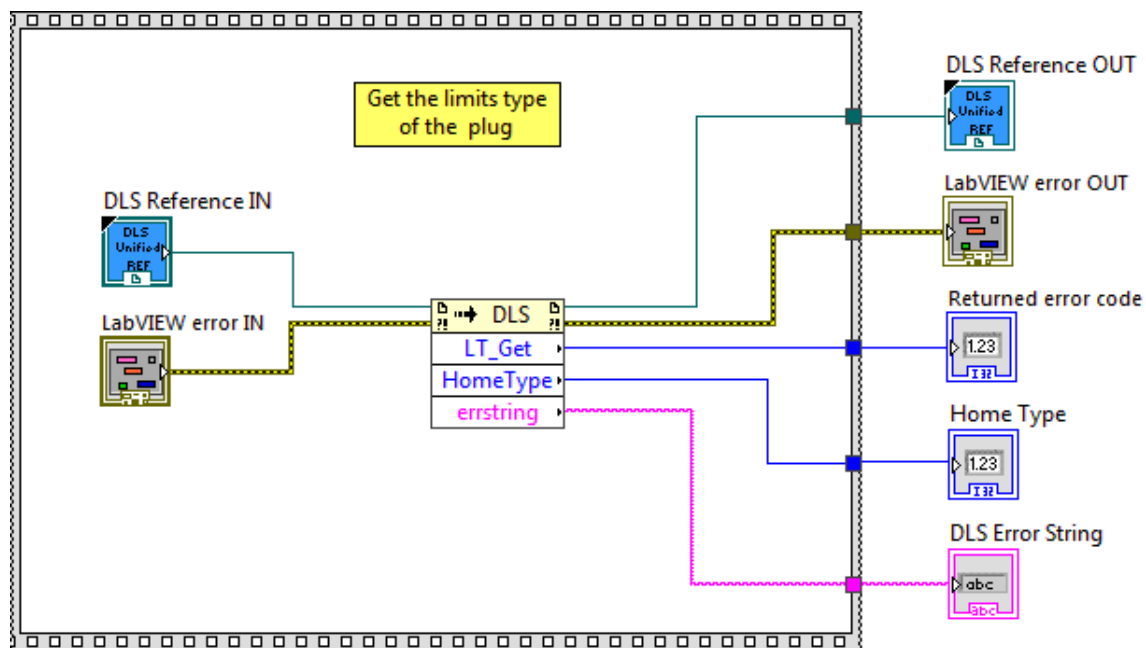
This function is used to get the limits type of the encoder plug.

## Connector Pane

**LWDLS\_LT\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference




**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.

 **Returned Error Code** Returns function error code

 **Home Type** Home type

 **DLS Error String** return error string from VI

## 2.128 LT\_Set

### Name

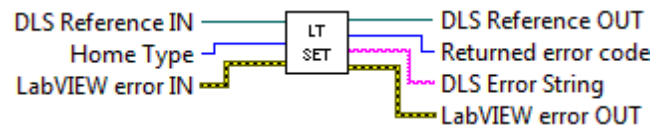
**LT\_Set** – Set the limits type of the encoder plug.

### Description

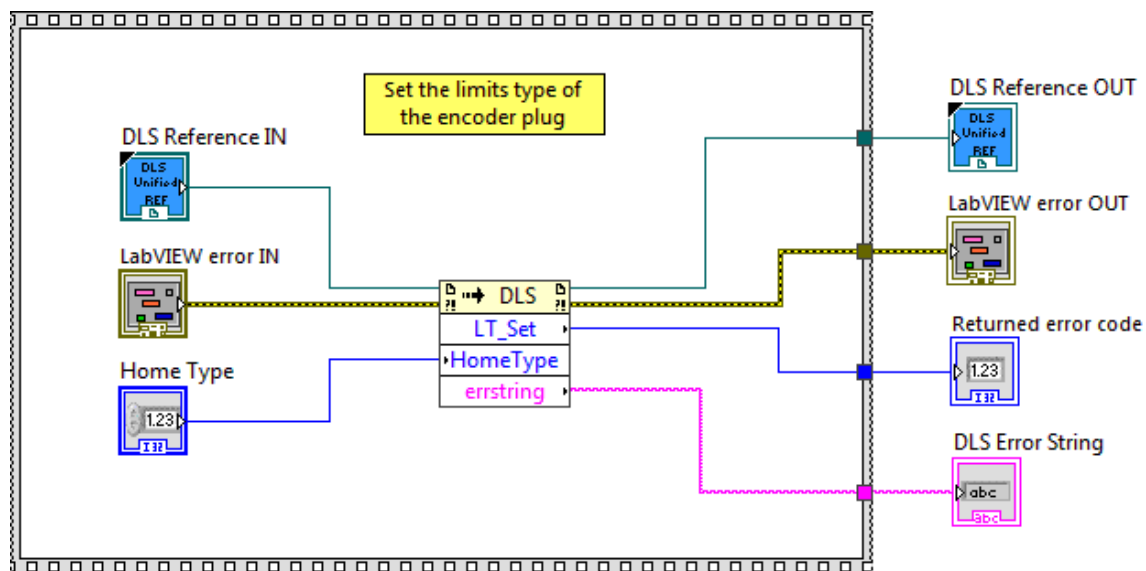
This function is used to set the limits type of the encoder plug.

### Connector Pane








#### LWDLS\_LT\_Set.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Home Type** Home type
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.129 MDA\_Get

### Name

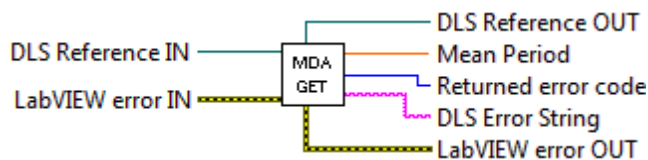
**MDA\_Get** – Get the Mean Period.

## Description

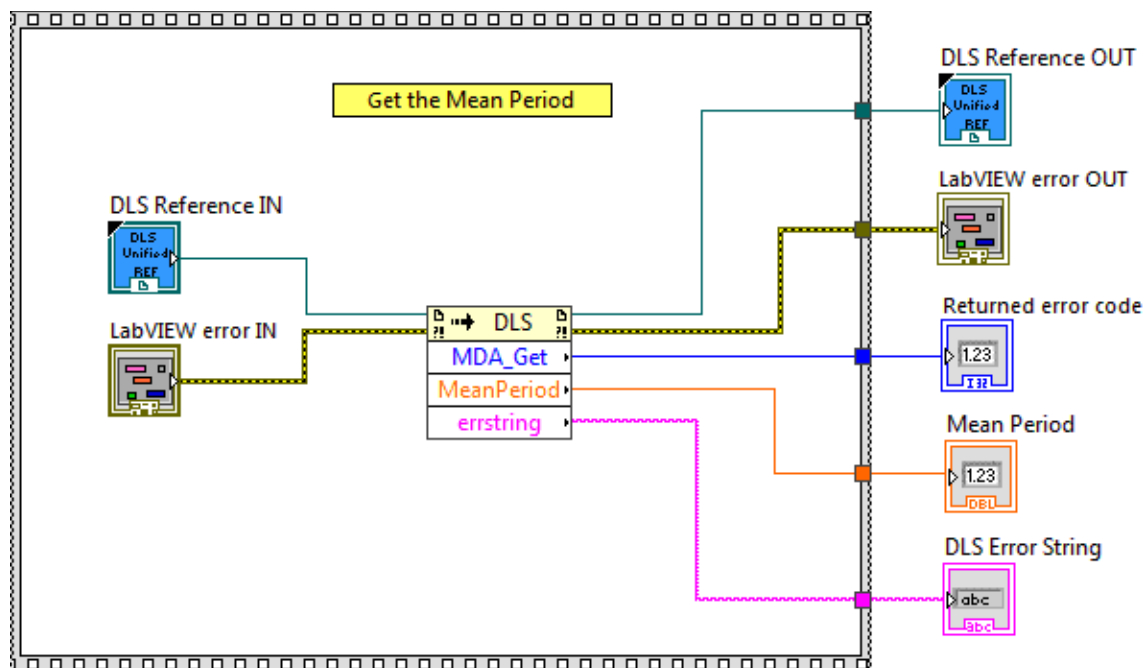
This function is used to get the Mean Period.

## Connector Pane

**LWDLS\_MDA\_Get.vi**



## Screenshot



## Controls and Indicators







**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Mean Period** Mean period
-  **DLS Error String** return error string from VI

## 2.130 MDA\_Set

### Name

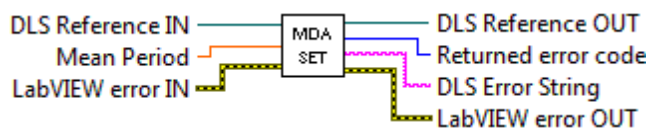
**MDA\_Set** – Set the Mean Period.

### Description

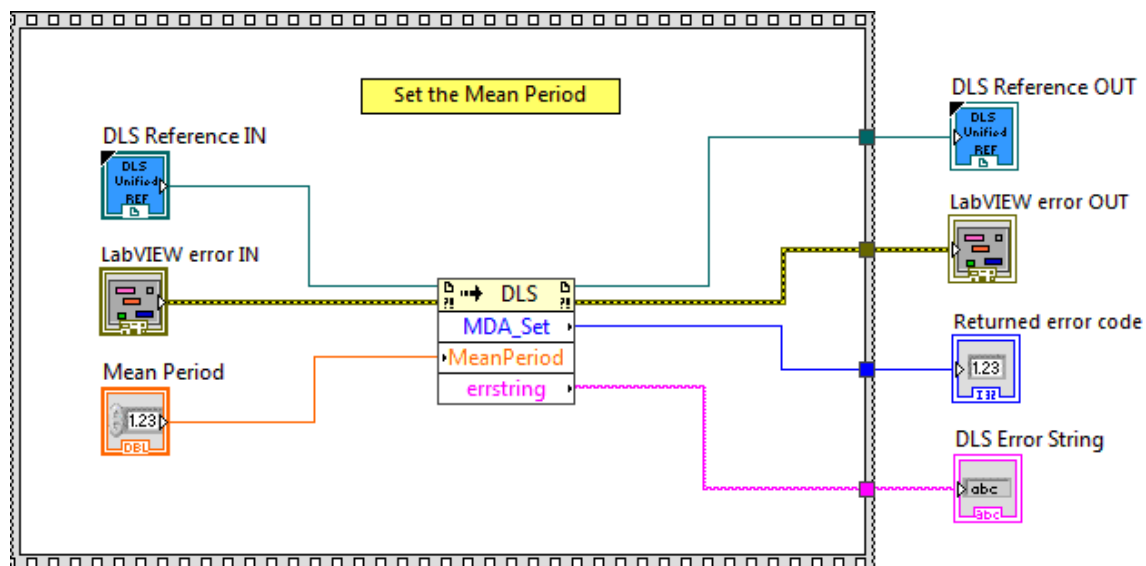
This function is used to set the Mean Period.

### Connector Pane








#### LWDLS\_MDA\_Set.vi



### Screenshot



## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs.  
This input provides standard error in functionality.
-  **Mean Period** Mean period
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

### 2.131 MDC\_Get

#### Name

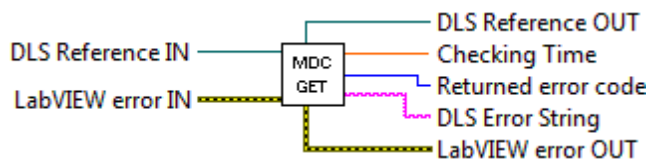
**MDC\_Get** – Get the Checking Time.

## Description

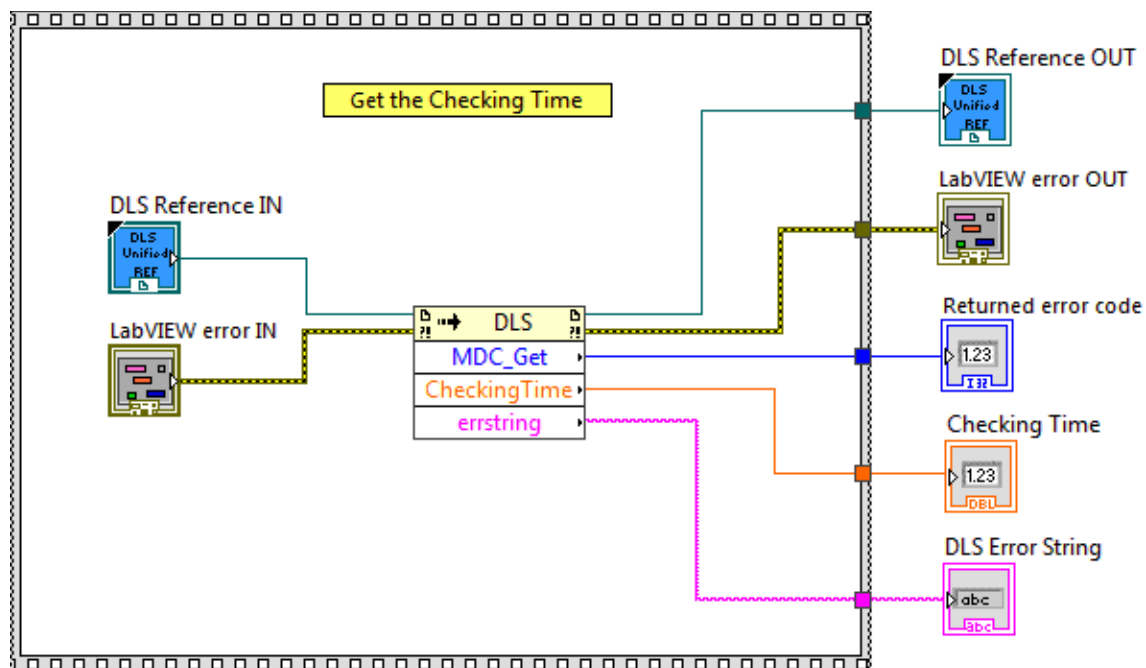
This function is used to get the Checking Time.

## Connector Pane

**LWDLS\_MDC\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference







**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Checking Time** Checking time
-  **DLS Error String** return error string from VI

## 2.132 MDC\_Set

### Name

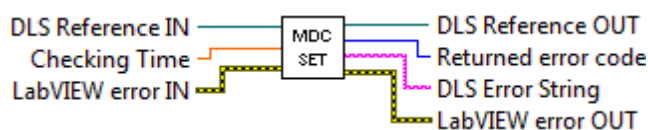
**MDC\_Set** – Set the Checking Time.

### Description

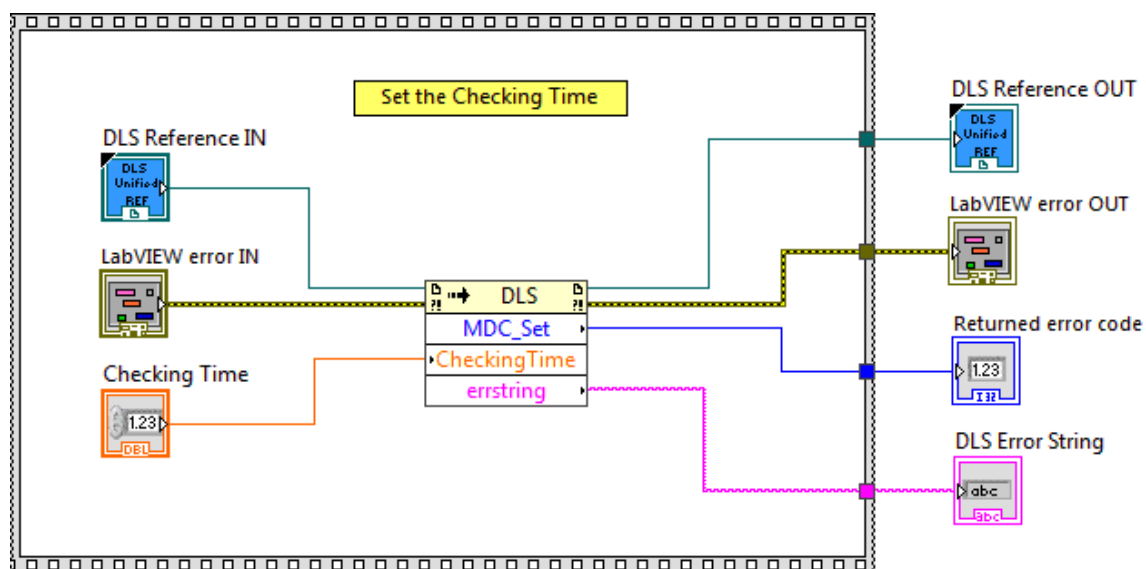
This function is used to set the Checking Time.

### Connector Pane

#### LWDLS\_MDC\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Checking Time** Checking time



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.133 MDM\_Get

### Name

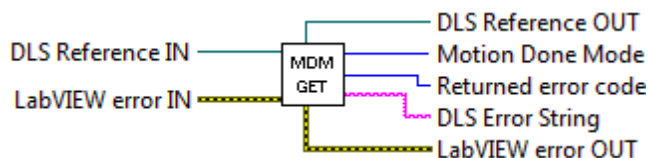
**MDM\_Get** – Get the Motion Done Mode.

### Description

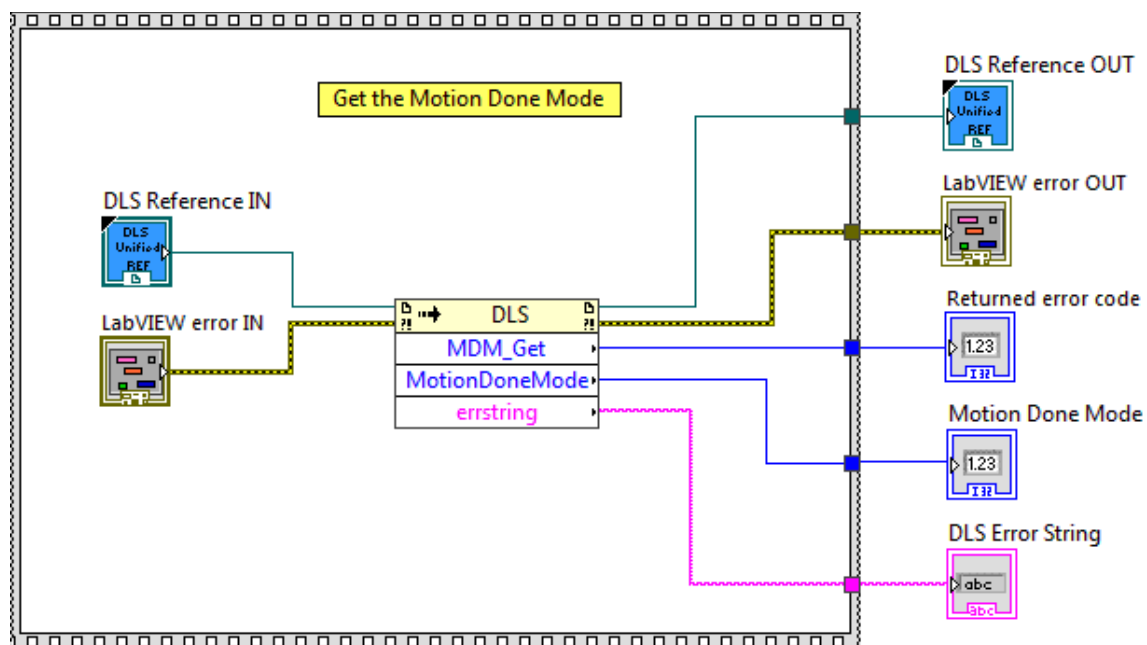
This function is used to get the Motion Done Mode.

### Connector Pane

**LWDLS\_MDM\_Get.vi**



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference






**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.

-  **Returned Error Code** Returns function error code
-  **Motion Done Mode** Motion done mode
-  **DLS Error String** return error string from VI

## 2.134 MDM\_Set

### Name

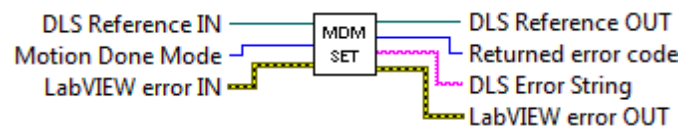
**MDM\_Set** – Set the Motion Done Mode.

### Description

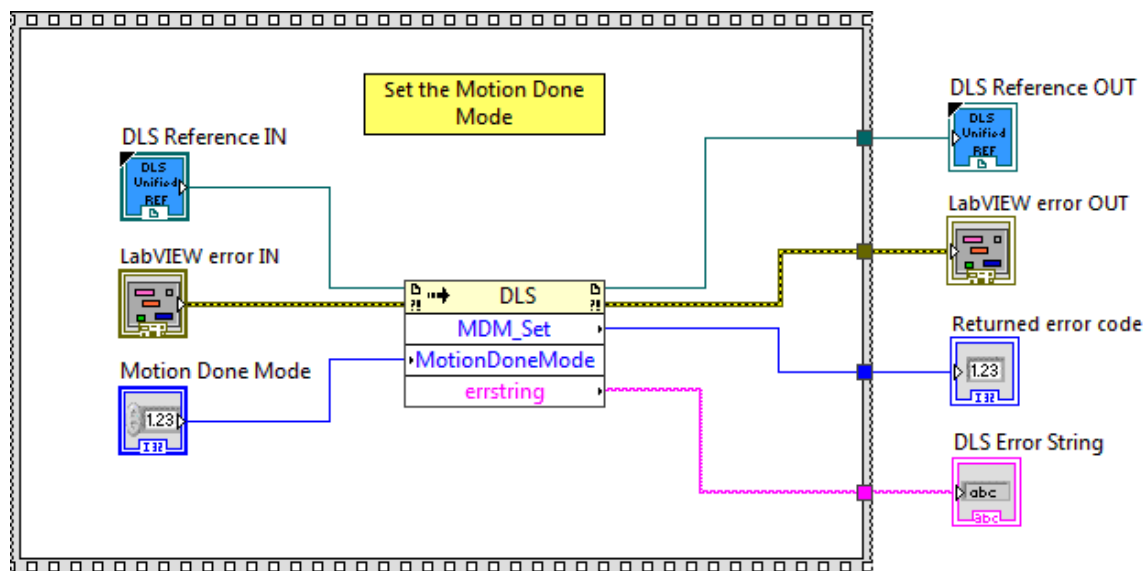
This function is used to set the Motion Done Mode.

### Connector Pane








LWDLS\_MDM\_Set.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Motion Done Mode** Motion done mode
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.135 MDP\_Get

### Name

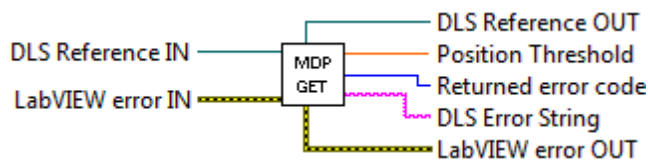
**MDP\_Get** – Get the Position Threshold.

## Description

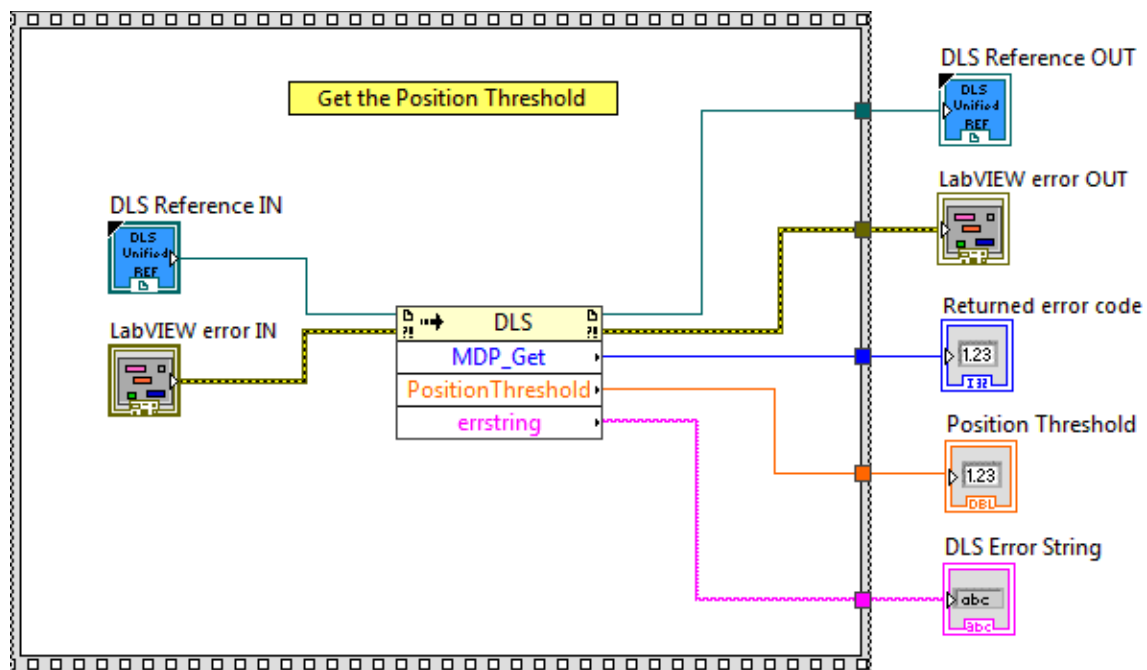
This function is used to get the Position Threshold.

## Connector Pane

**LWDLS\_MDP\_Get.vi**



## Screenshot



## Controls and Indicators







**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Position Threshold** Position threshold
-  **DLS Error String** return error string from VI

## 2.136 MDP\_Set

### Name

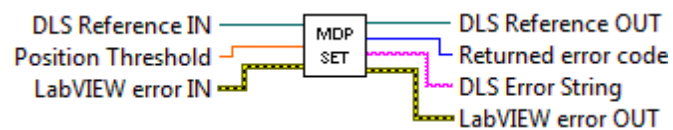
**MDP\_Set** – Set the Position Threshold.

### Description

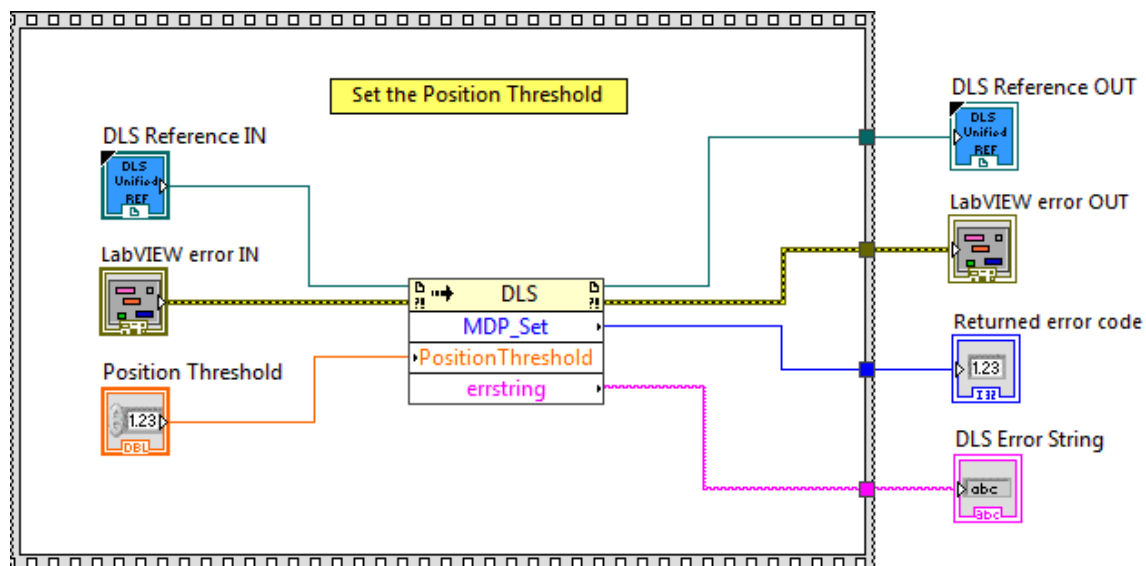
This function is used to set the Position Threshold.

### Connector Pane








#### LWDLS\_MDP\_Set.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Position Threshold** Position threshold
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

### 2.137 MDT\_Get

#### Name

**MDT\_Get** – Get the Timeout.

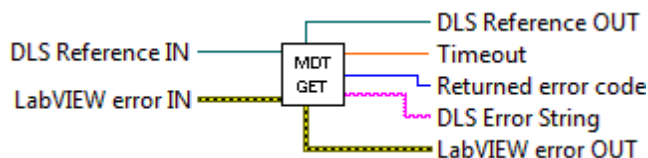


## Description

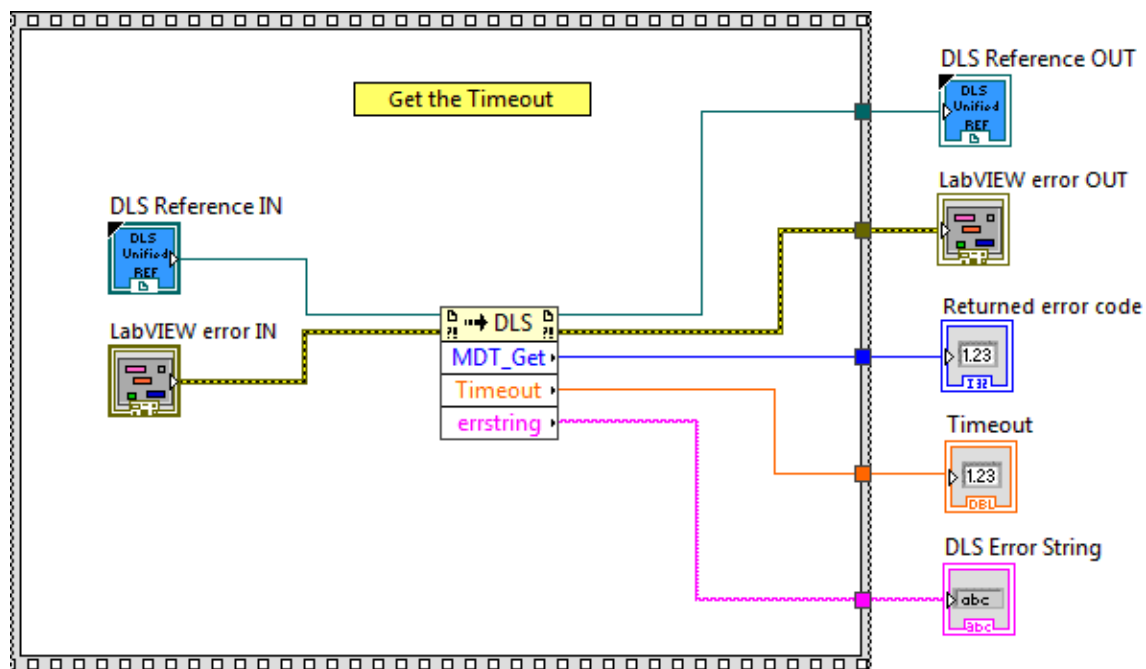
This function is used to get the Timeout.

## Connector Pane

**LWDLS\_MDT\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference




**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.

 **Returned Error Code** Returns function error code

 **Timeout** Timeout

 **DLS Error String** return error string from VI

## 2.138 MDT\_Set

### Name

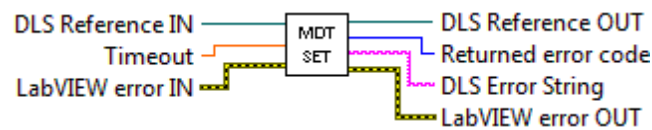
**MDT\_Set** – Set the Timeout.

### Description

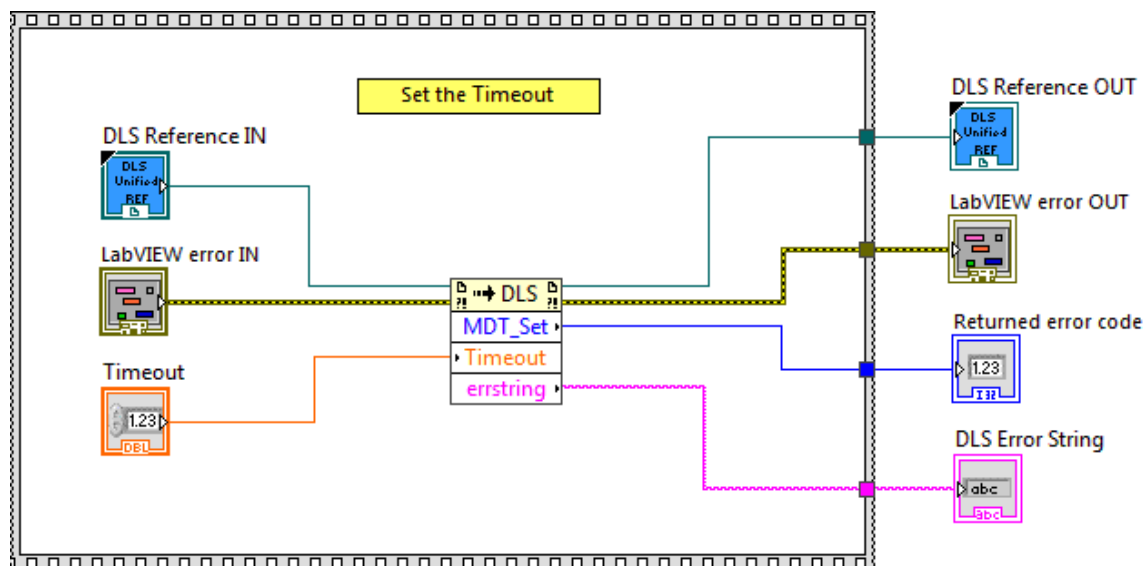
This function is used to set the Timeout.

### Connector Pane








LWDLS\_MDT\_Set.vi



### Screenshot



## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Timeout** Timeout
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.139 MDV\_Get

### Name

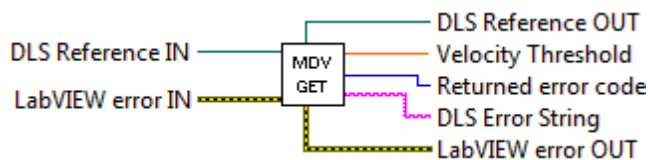
**MDV\_Get** – Get the Velocity Threshold.

## Description

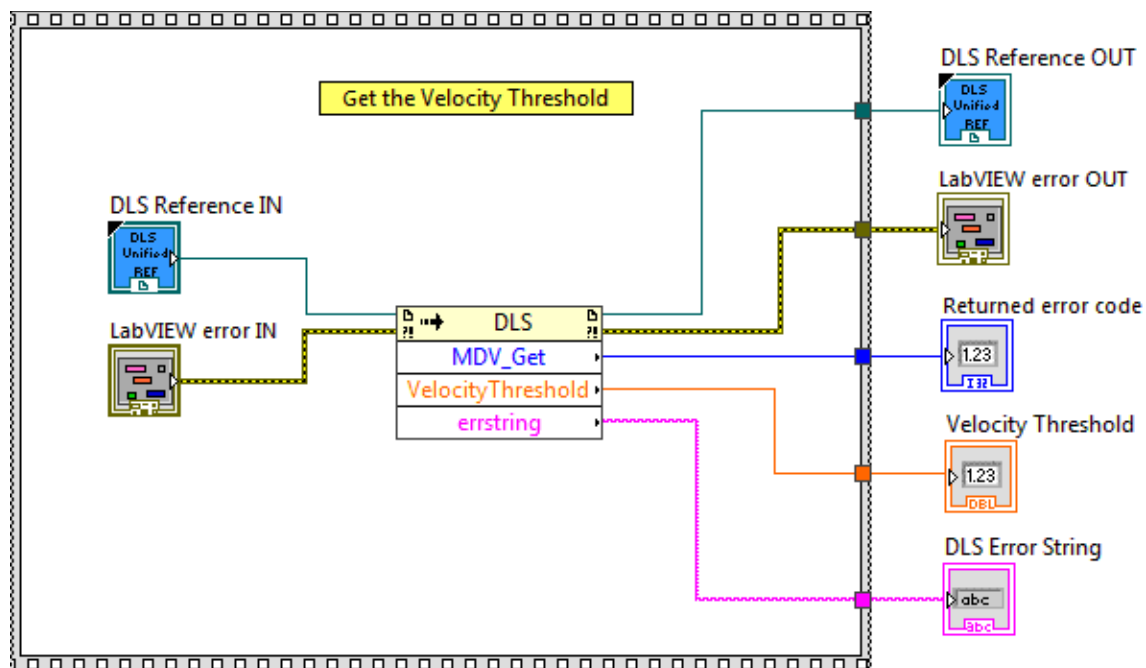
This function is used to get the Velocity Threshold.

## Connector Pane

**LWDLS\_MDV\_Get.vi**



## Screenshot



## Controls and Indicators







**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Velocity Threshold** Velocity threshold
-  **DLS Error String** return error string from VI

## 2.140 MDV\_Set

### Name

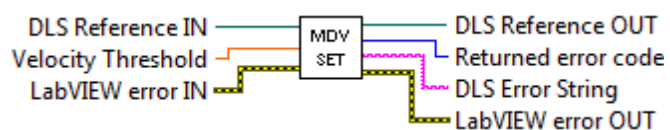
**MDV\_Set** – Set the Velocity Threshold.

### Description

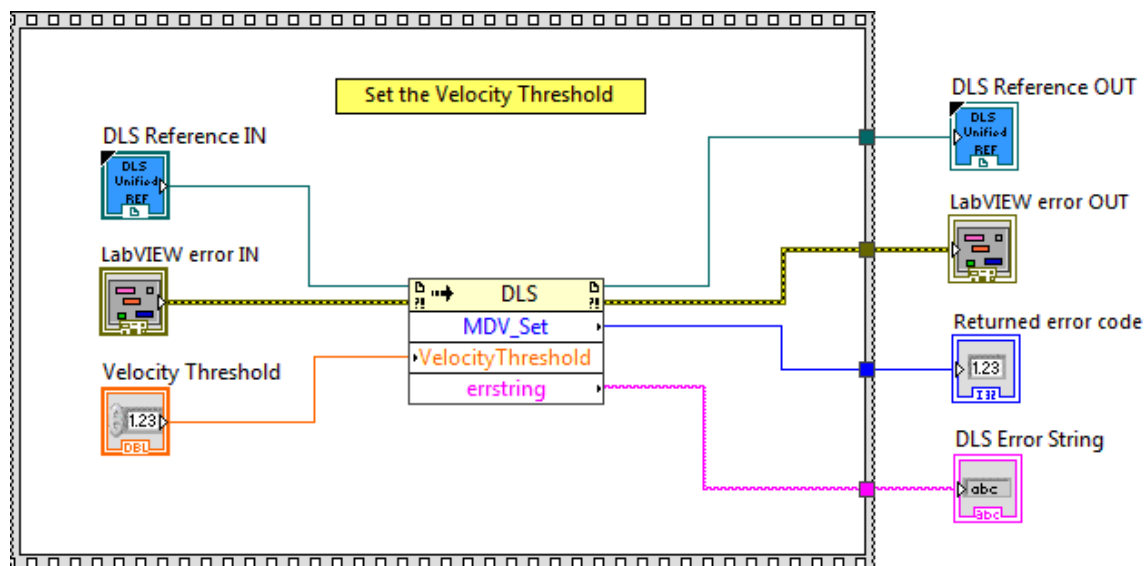
This function is used to set the Velocity Threshold.

### Connector Pane








#### LWDLS\_MDV\_Set.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Velocity Threshold** Velocity threshold
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

### 2.141 MM\_Get

#### Name

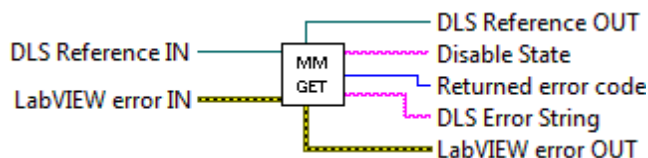
**MM\_Get** – Enter/Leave DISABLE state.

## Description

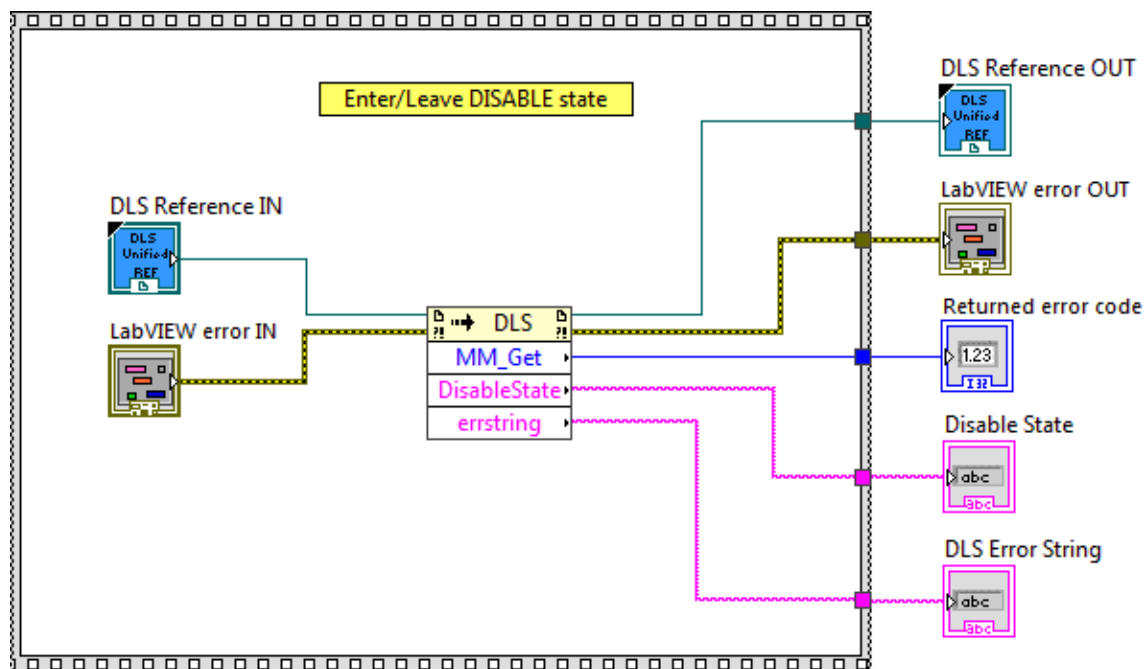
This function is used to Enter/Leave DISABLE state.

## Connector Pane

LWDLS\_MM\_Get.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.






**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.

-  **Returned Error Code** Returns function error code
-  **Disable State** Disable state
-  **DLS Error String** return error string from VI

## 2.142 MM\_Set

### Name

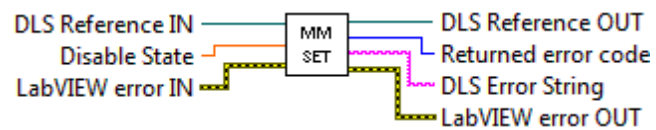
**MM\_Set** – Set the Velocity Threshold.

### Description

This function is used to Enter/Leave DISABLE state.

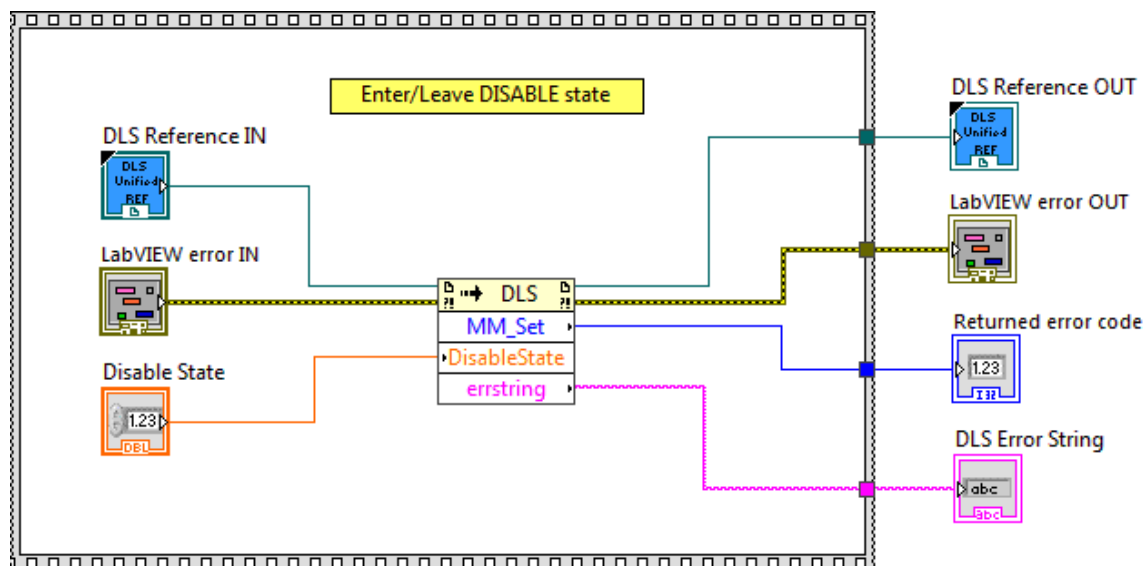
### Connector Pane

**LWDLS\_MM\_Set.vi**










### Screenshot





### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Disable State** Disable state
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

### 2.143 MP\_Get

#### Name

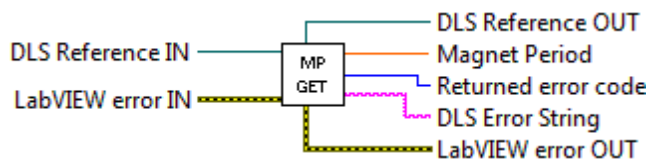
**MP\_Get** – Get the magnet period.

## Description

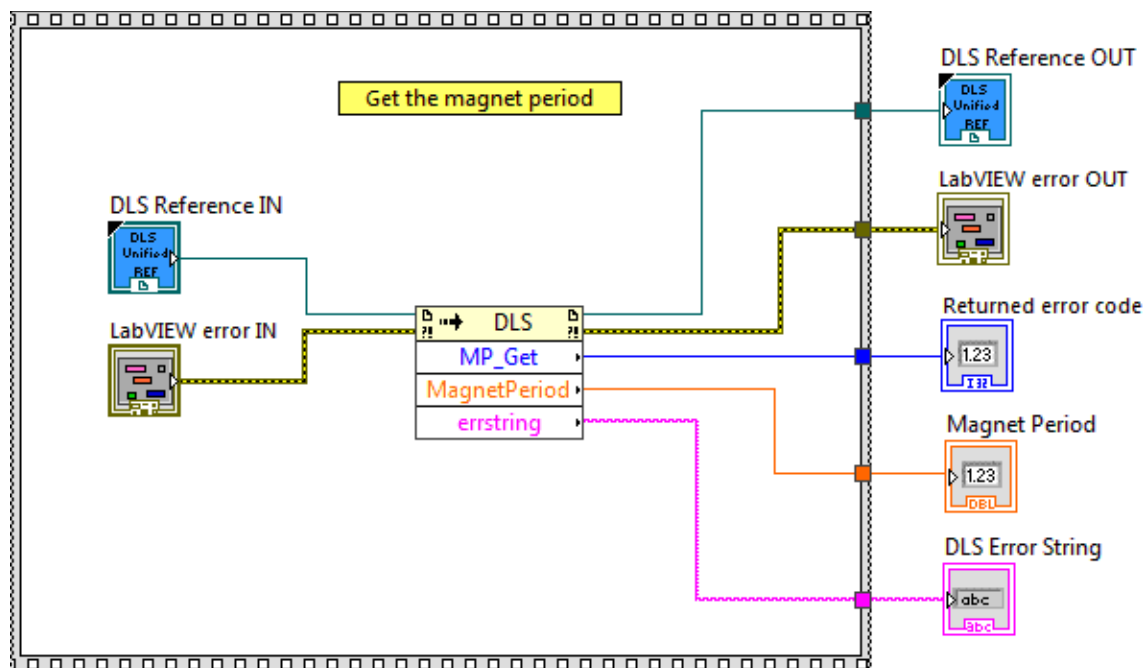
This function is used to get the magnet period.

## Connector Pane

**LWDLS\_MP\_Get.vi**



## Screenshot



## Controls and Indicators







**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Magnet Period** Magnet period
-  **DLS Error String** return error string from VI

## 2.144 MP\_Set

### Name

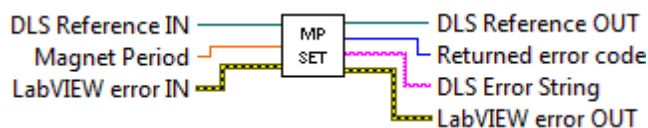
**MP\_Set** – Set the magnet period.

### Description

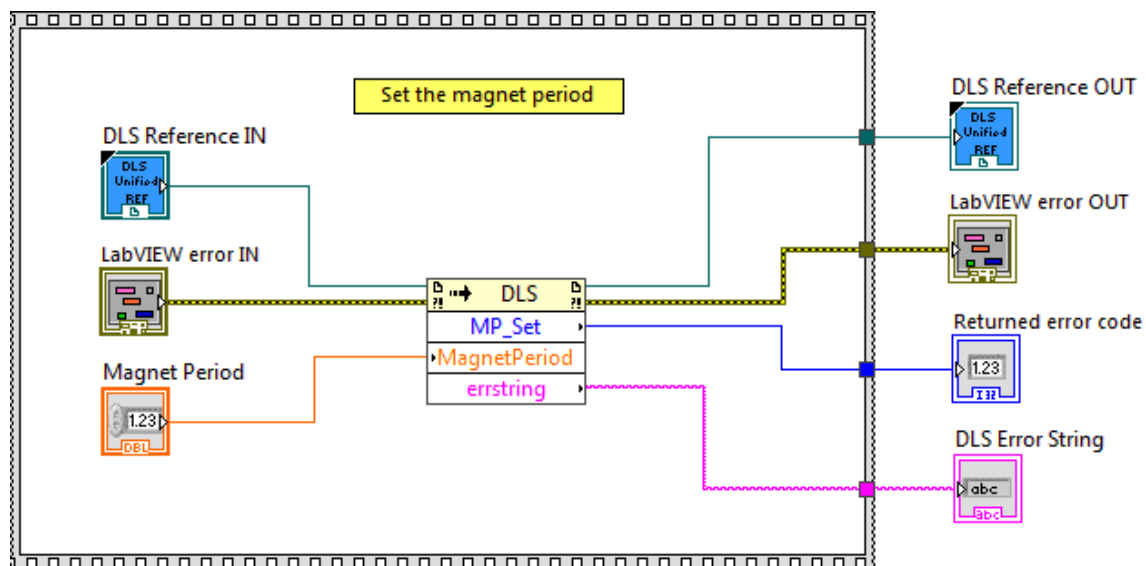
This function is used to set the magnet period.

### Connector Pane








#### LWDLS\_MP\_Set.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs.  
This input provides standard error in functionality.
-  **Magnet Period** Magnet period
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

### 2.145 MT\_Get

#### Name

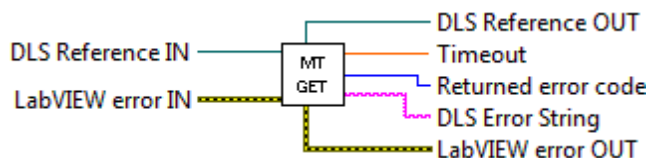
**MT\_Get** – Get the timeout value of the PD commands.

## Description

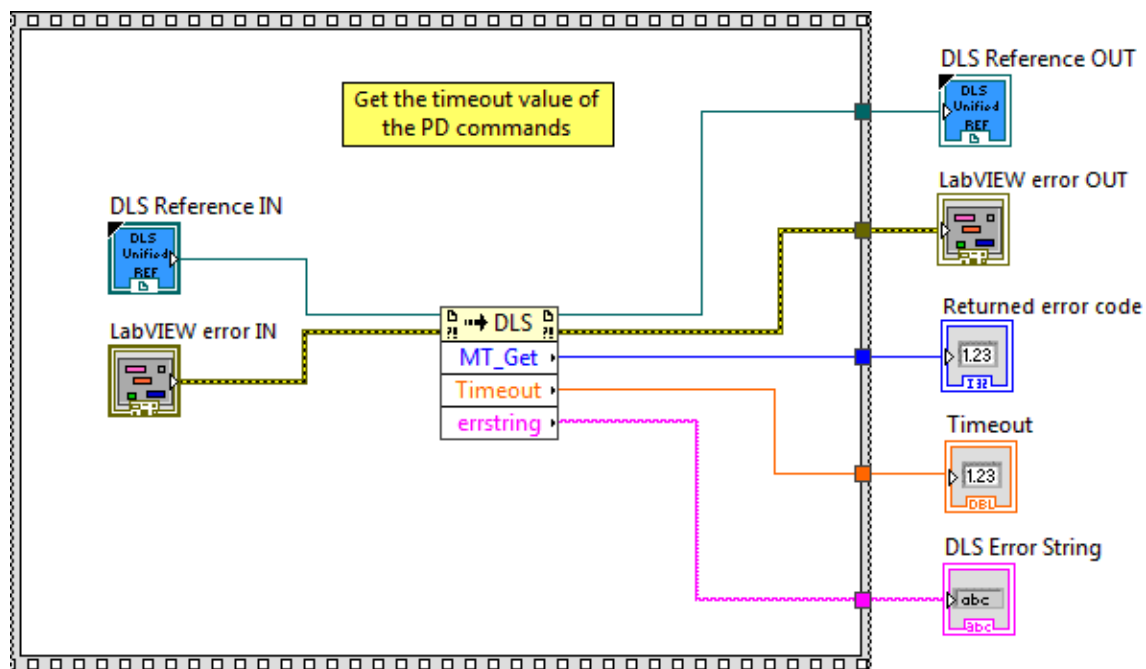
This function is used to get the timeout value of the PD commands.

## Connector Pane

**LWDLS\_MT\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference




**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.

 **Returned Error Code** Returns function error code

 **Timeout** Timeout

 **DLS Error String** return error string from VI

## 2.146 MT\_Set

### Name

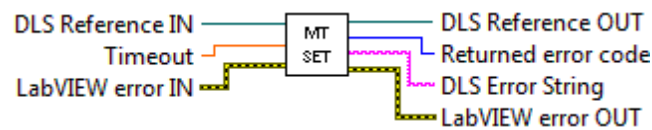
**MT\_Set** – Set the timeout value of the PD commands.

### Description

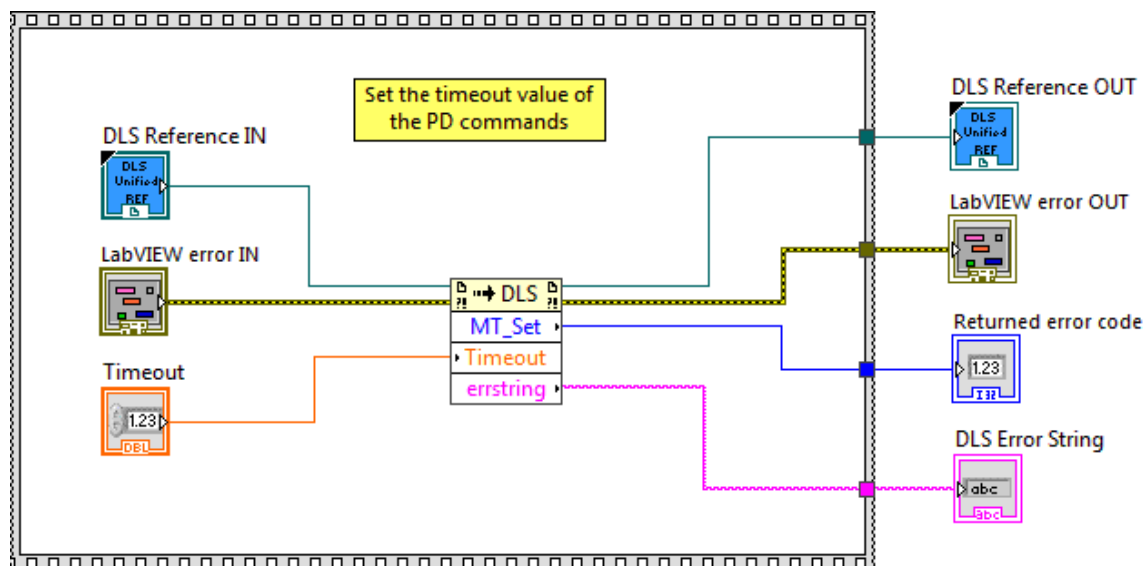
This function is used to set the timeout value of the PD commands.

### Connector Pane








#### LWDLS\_MT\_Set.vi



### Screenshot



## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Timeout** Timeout
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.147 NFF\_Get

### Name

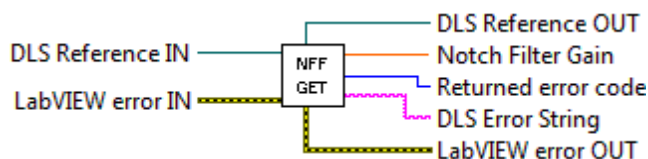
**NFF\_Get** – Get the timeout value of the notch filter center frequency value of the PID control loop.

## Description

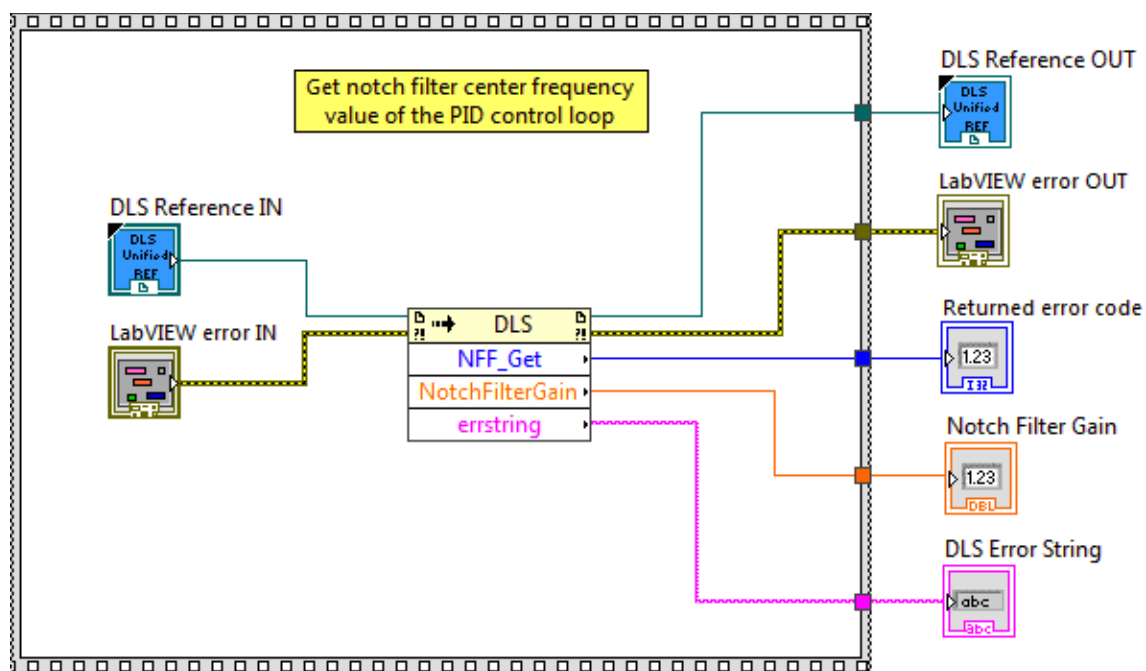
This function is used to get the notch filter center frequency value of the PID control loop.

## Connector Pane

**LWDLS\_NFF\_Get.vi**



## Screenshot



## Controls and Indicators








**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Notch Filter Gain** Notch filter center frequency
-  **DLS Error String** return error string from VI

## 2.148 NFF\_Set

### Name

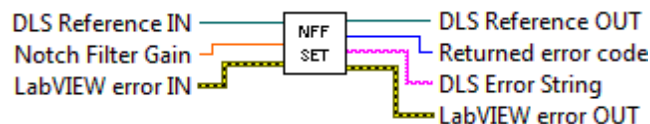
**NFF\_Set** – Set the timeout value of the notch filter center frequency value of the PID control loop.

### Description

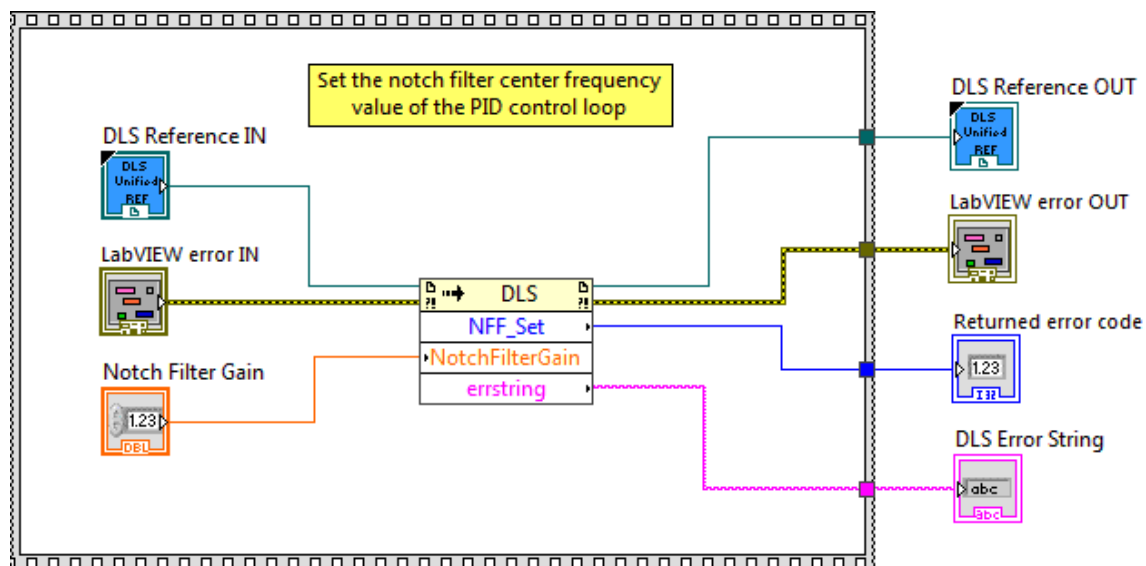
This function is used to set the notch filter center frequency value of the PID control loop.

### Connector Pane








#### LWDLS\_NFF\_Set.vi



### Screenshot



## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs.  
This input provides standard error in functionality.
-  **Notch Filter Gain** Notch filter center frequency
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.149 NFG\_Get

### Name

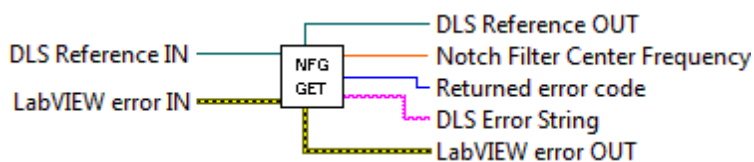
**NFG\_Get** – Get the notch filter gain value of the PID control loop.

## Description

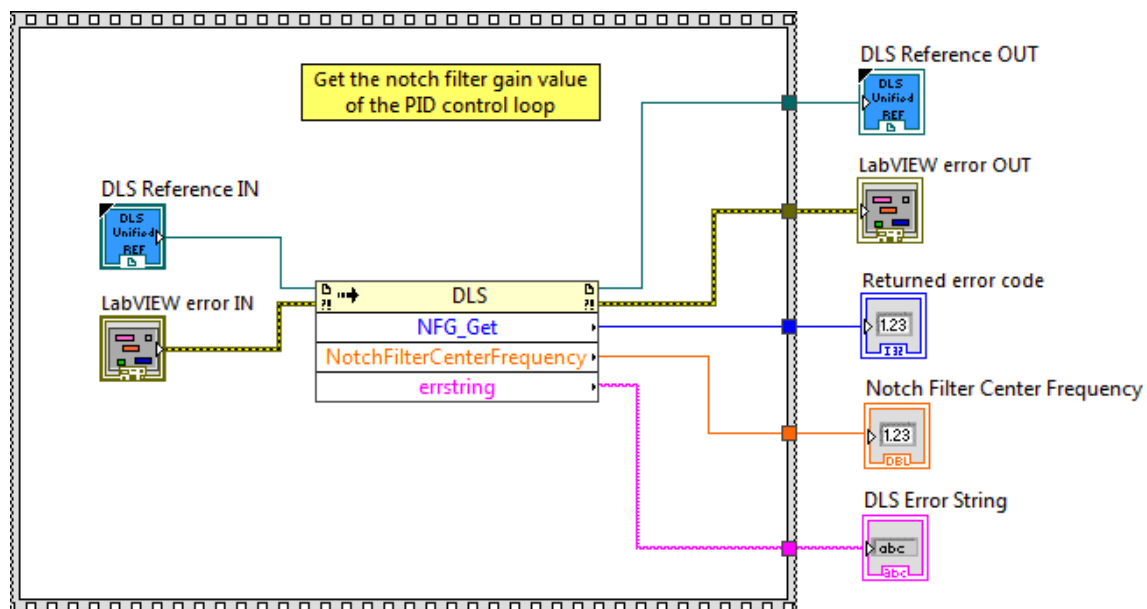
This function is used to get the notch filter gain value of the PID control loop.

## Connector Pane

**LWDLS\_NFG\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference






**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.

-  **Returned Error Code** Returns function error code
-  **Notch Filter Center Frequency** Notch filter gain
-  **DLS Error String** return error string from VI

## 2.150 NFG\_Set

### Name

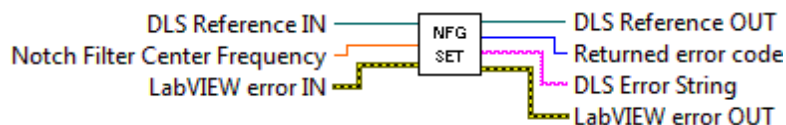
**NFG\_Set** – Set the notch filter gain value of the PID control loop.

### Description

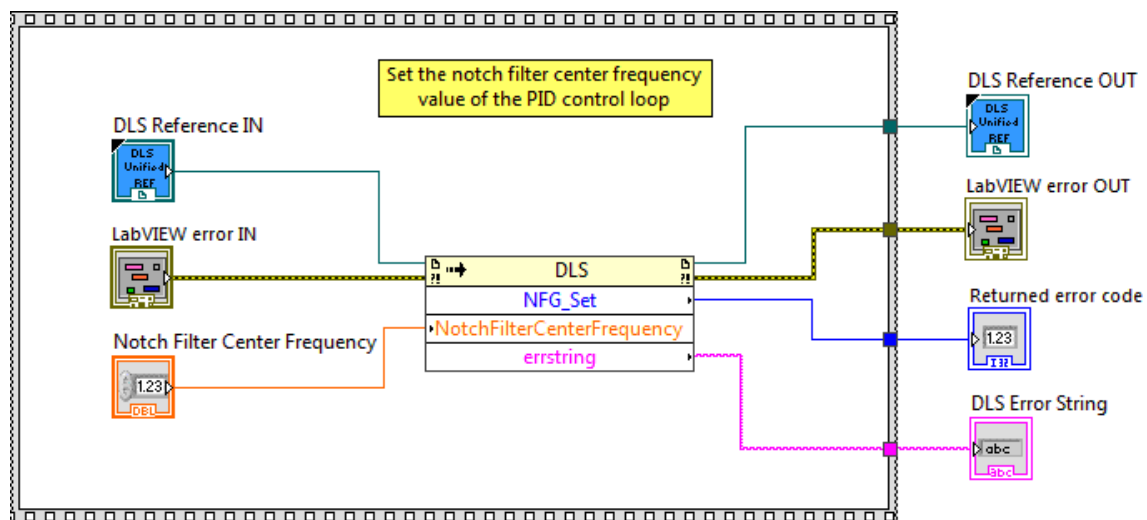
This function is used to set the notch filter gain value of the PID control loop.

### Connector Pane

#### LWDLS\_NFG\_Set.vi



### Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**Notch Filter Center Frequency** Notch filter gain



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.151 NFW\_Get

### Name

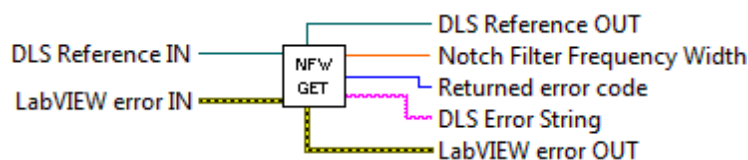
**NFW\_Get** – Get the notch filter frequency width value of the PID control loop.

### Description

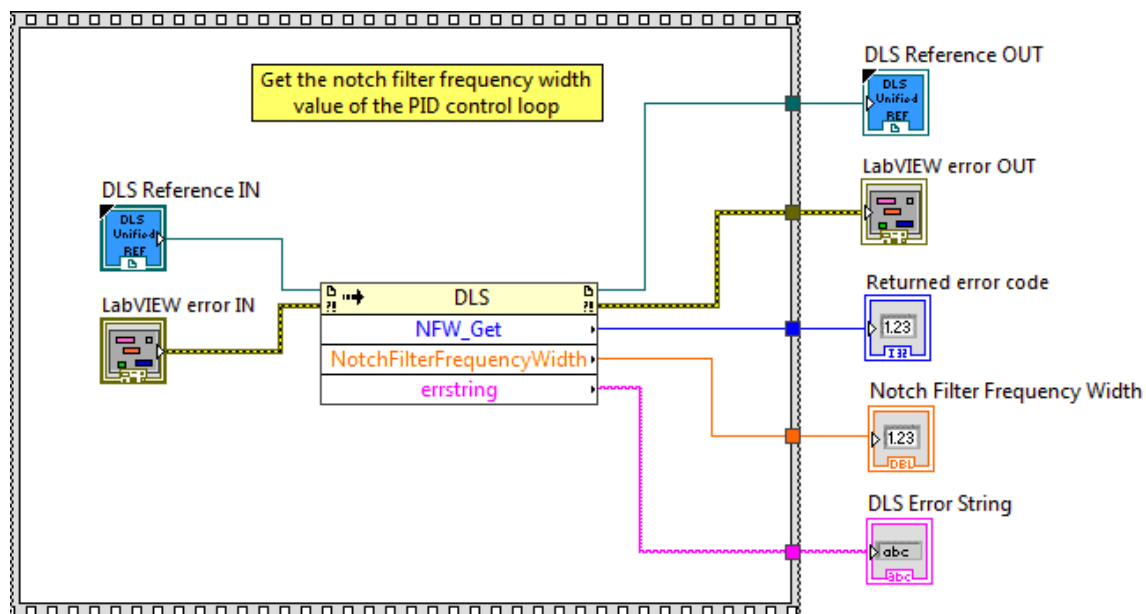
This function is used to get the notch filter frequency width value of the PID control loop.

### Connector Pane








#### LWDLS\_NFW\_Get.vi



### Screenshot



## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Notch Filter Frequency Width** Notch filter frequency width
-  **DLS Error String** return error string from VI

## 2.152 NFW\_Set

### Name

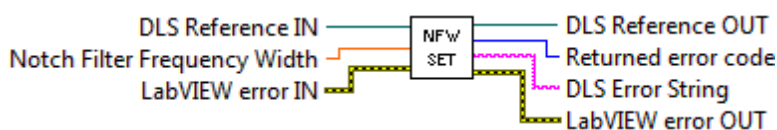
**NFW\_Set** – Set the notch filter frequency width value of the PID control loop.

## Description

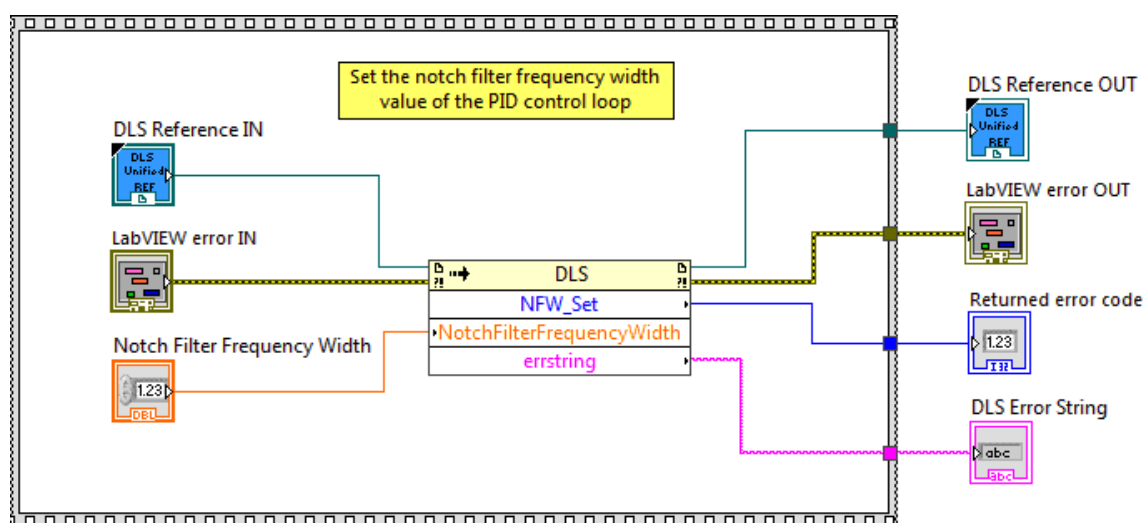
This function is used to set the notch filter frequency width value of the PID control loop.

## Connector Pane

**LWDLS\_NFW\_Set.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**Notch Filter Frequency Width** Notch filter frequency width




**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.

 **Returned Error Code** Returns function error code

 **DLS Error String** return error string from VI

## 2.153 OpenInstrument

### Name

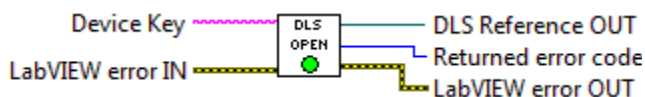
**OpenInstrument** – Open communication with the selected device.

### Description

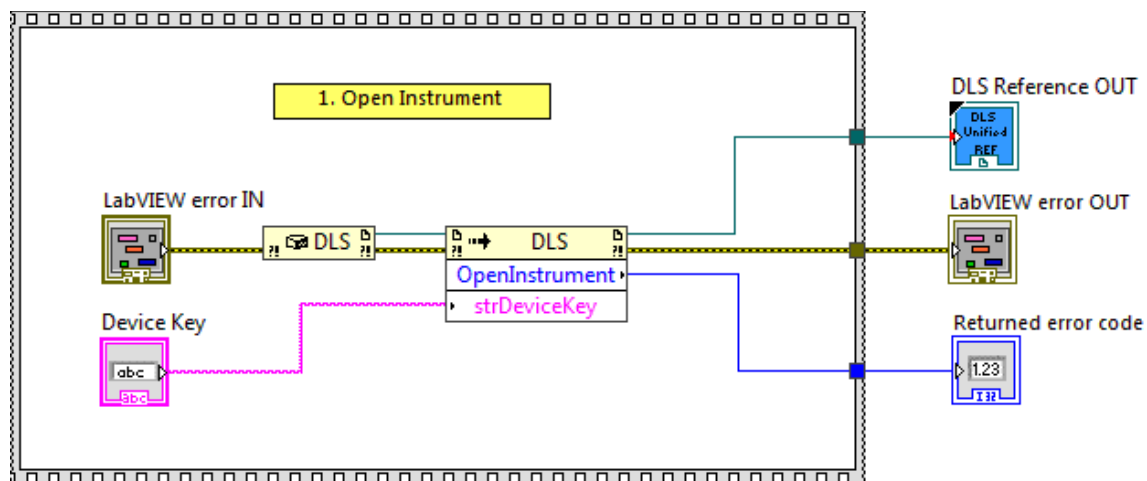
This function allows opening communication with the selected device. If the opening failed, the returned code is -1.

### Connector Pane

#### LWDLS\_OpenInstrument.vi



### Screenshot





### Controls and Indicators



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**Device Key** The device key is a serial COM port



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code

## 2.154 OH\_Get

### Name

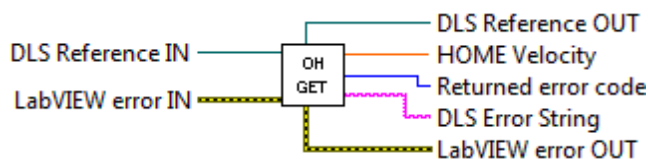
**OH\_Get** – Get HOME search velocity.

### Description

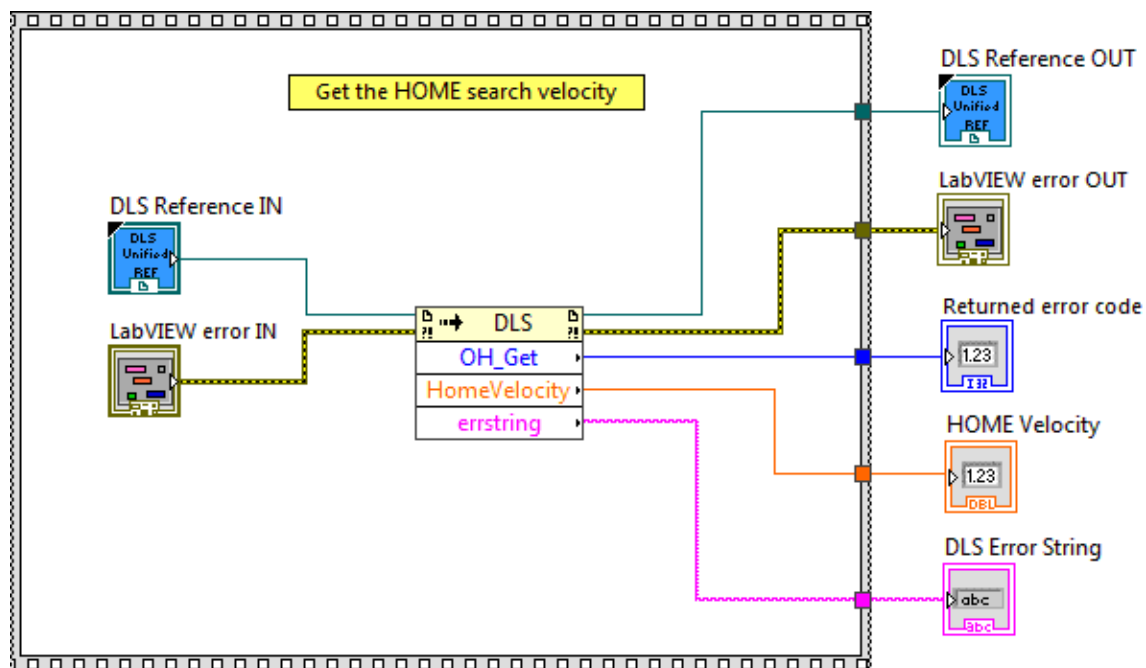
This function is used to get HOME search velocity.

### Connector Pane

#### LWDLS\_OH\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Home Velocity** HomeVelocity



**DLS Error String** return error string from VI

## 2.155 OH\_Set

### Name

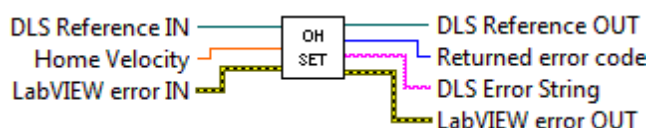
**OH\_Set** – Set HOME search velocity.

### Description

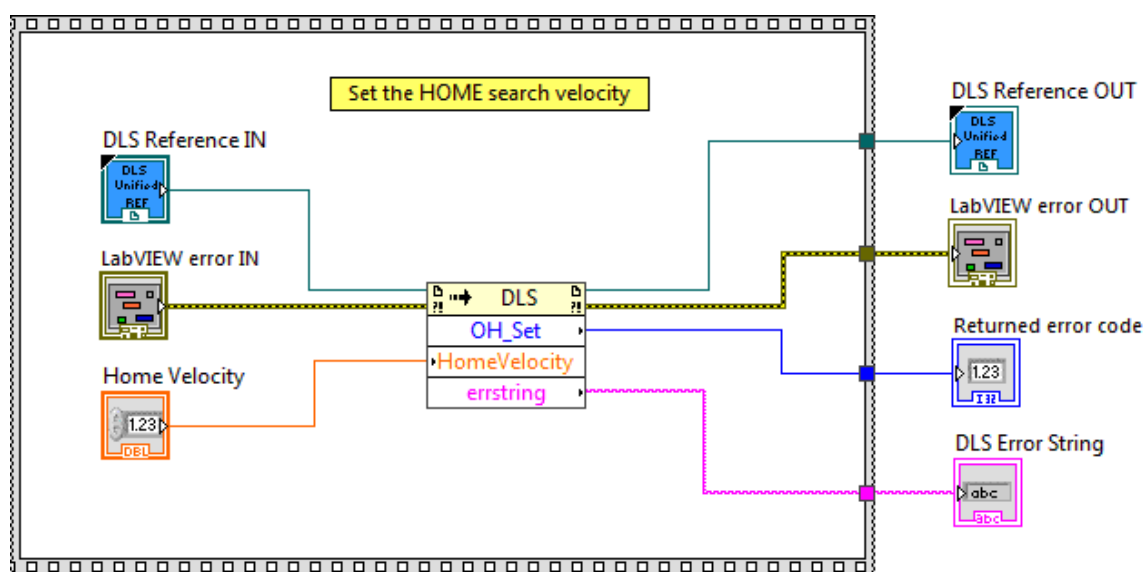
This function is used to set HOME search velocity.

### Connector Pane

#### LWDLS\_OH\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference






**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Home Velocity** HomeVelocity



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.156 OR

### Name

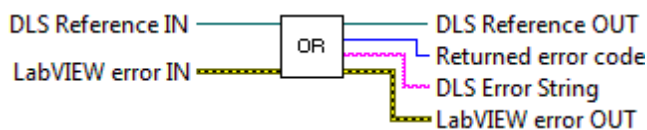
**OR** – Execute HOME search.

### Description

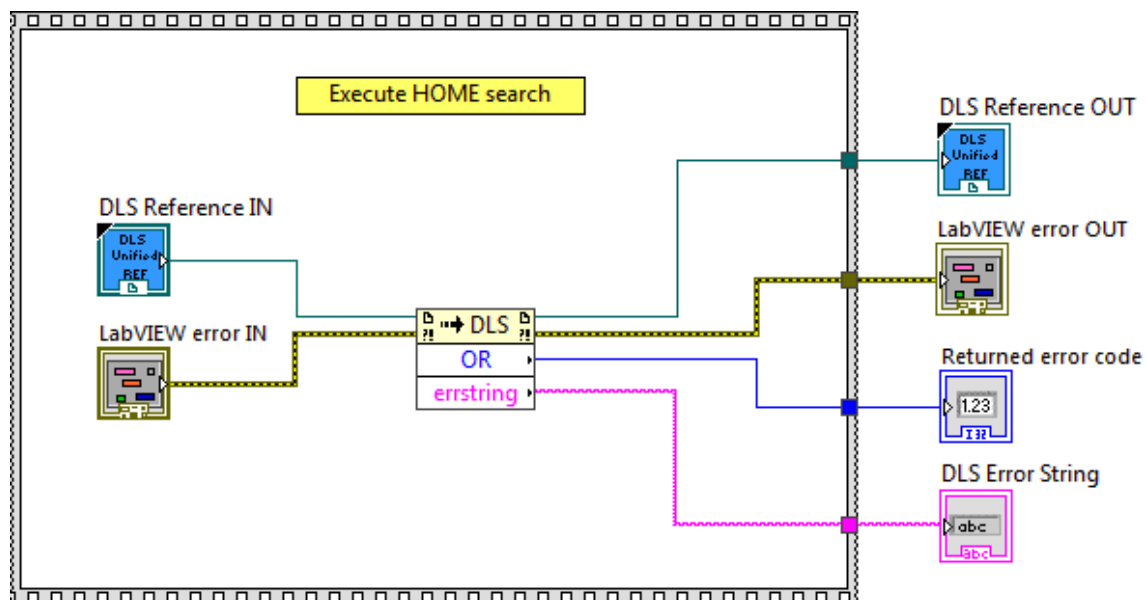
This function is used to Execute HOME search.

### Connector Pane







#### LWDLS\_OR.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.157 OT\_Get

### Name

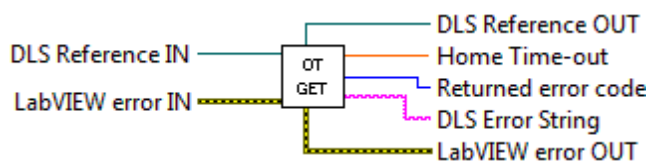
OT\_Get – Get HOME search time-out.

### Description

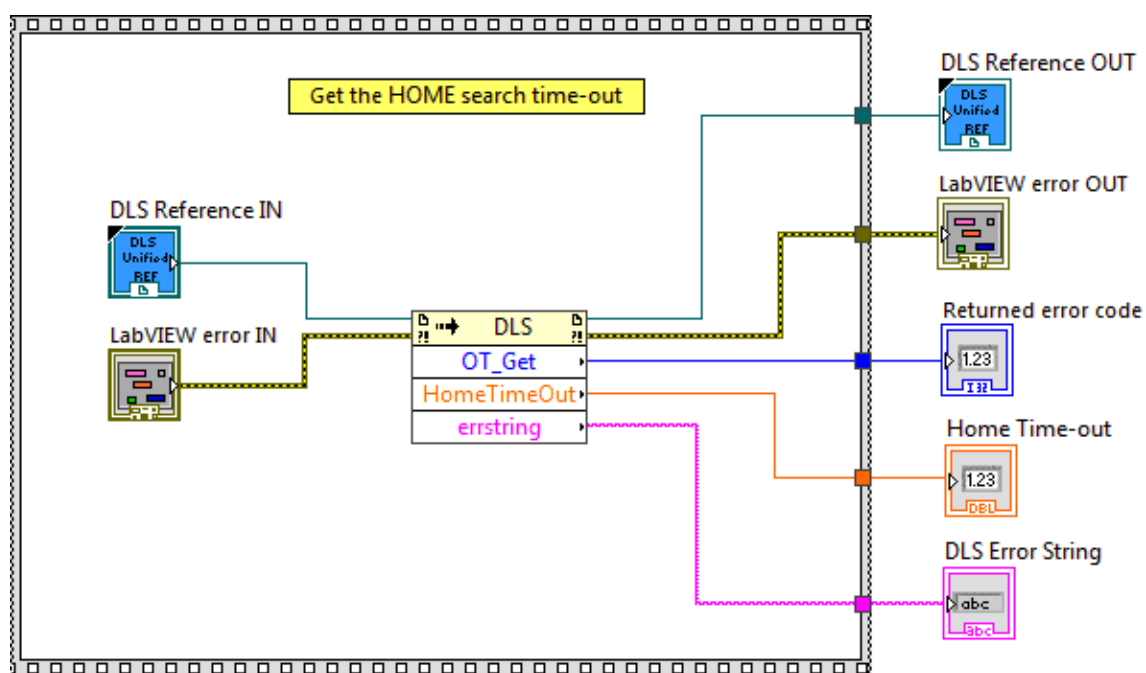
This function is used to get HOME search time-out.

## Connector Pane

**LWDLS\_OT\_Get.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference




**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.

 **Returned Error Code** Returns function error code

 **Home Time-out** Home time-out

 **DLS Error String** return error string from VI

## 2.158 OT\_Set

### Name

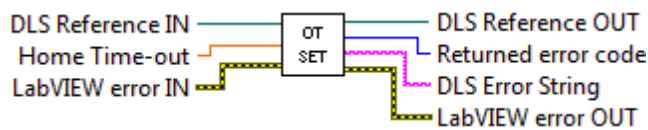
**OT\_Set** – Set HOME search time-out.

### Description

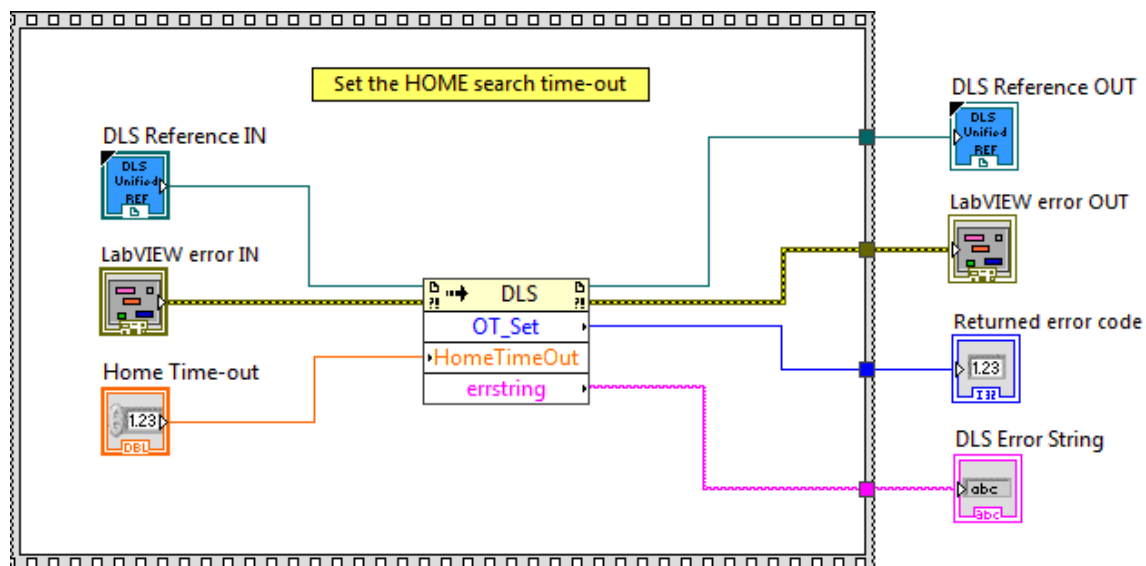
This function is used to set HOME search time-out.

### Connector Pane

LWDLS\_OT\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**Home Time-out** Home time-out



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

### 2.159 PA\_Get

#### Name

**PA\_Get** – Move absolute.

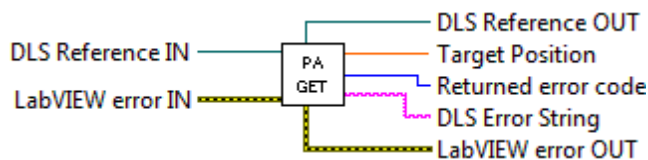


## Description

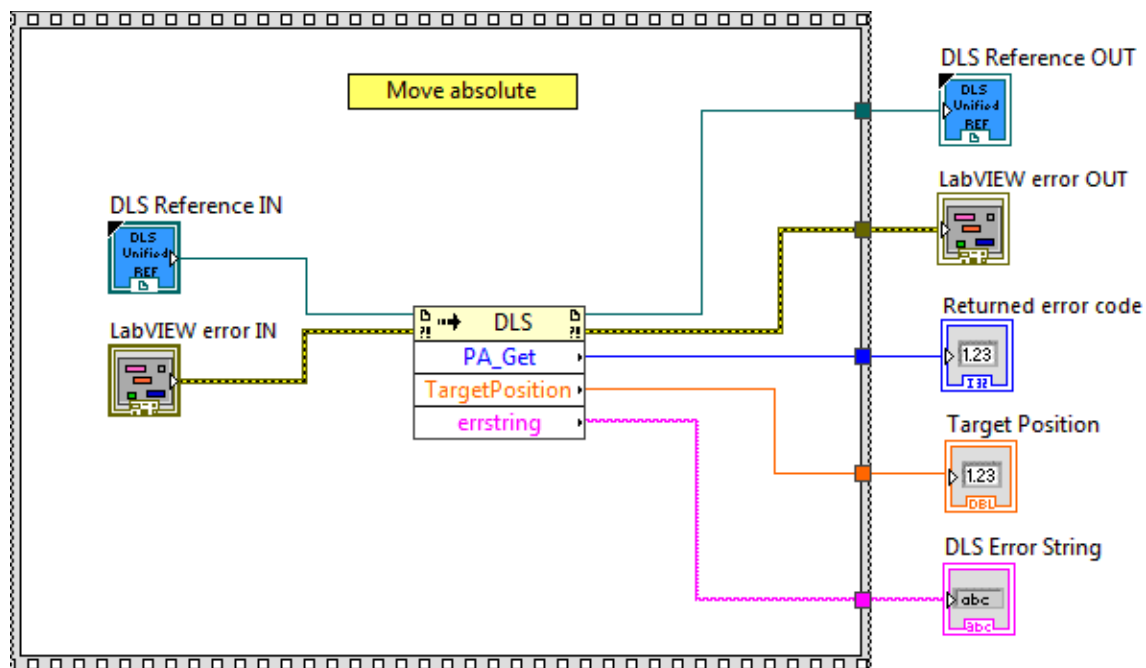
This function is used to Move absolute.

## Connector Pane

**LWDLS\_PA\_Get.vi**



## Screenshot



## Controls and Indicators







**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Target Position** Target position
-  **DLS Error String** return error string from VI

## 2.160 PA\_Set

### Name

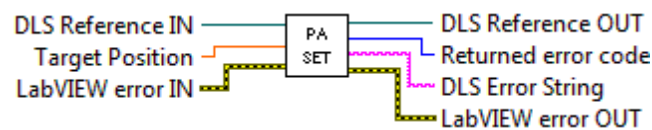
**PA\_Set** – Move absolute.

### Description

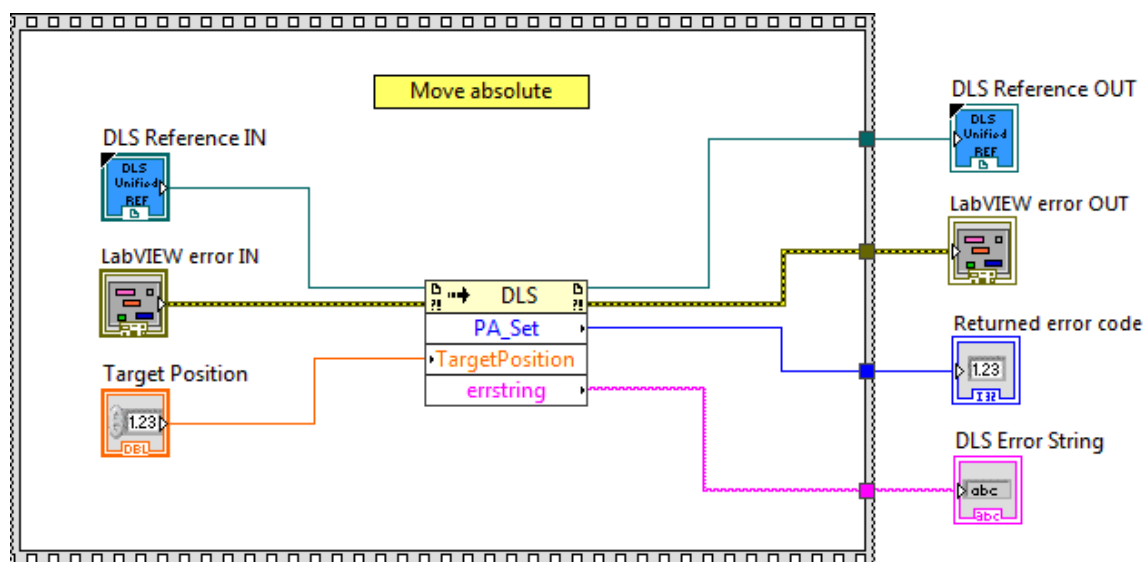
This function is used to Move absolute.

### Connector Pane

#### LWDLS\_PA\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Target Position** Target position



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.161 PD

### Name

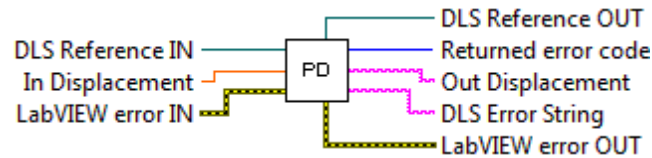
**PD** – Initiate a relative move.

### Description

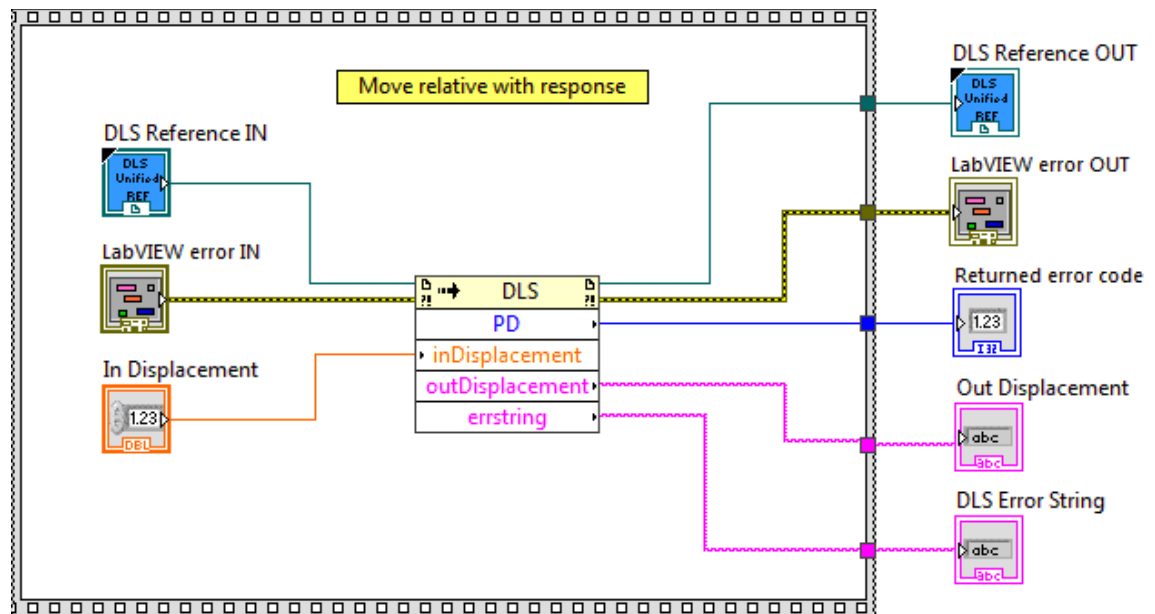
This function is used to initiate a relative move. When received, the positioner will move, with the predefined acceleration and velocity, to a new target position away from the current target position.

### Connector Pane

#### LWDLS\_PD.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference







**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**In Displacement** In displacement



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Out Displacement** Out displacement
-  **DLS Error String** return error string from VI

## 2.162 PG\_Get

### Name

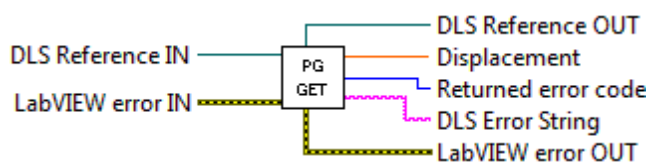
**PG\_Get** – Get triggered move distance.

### Description

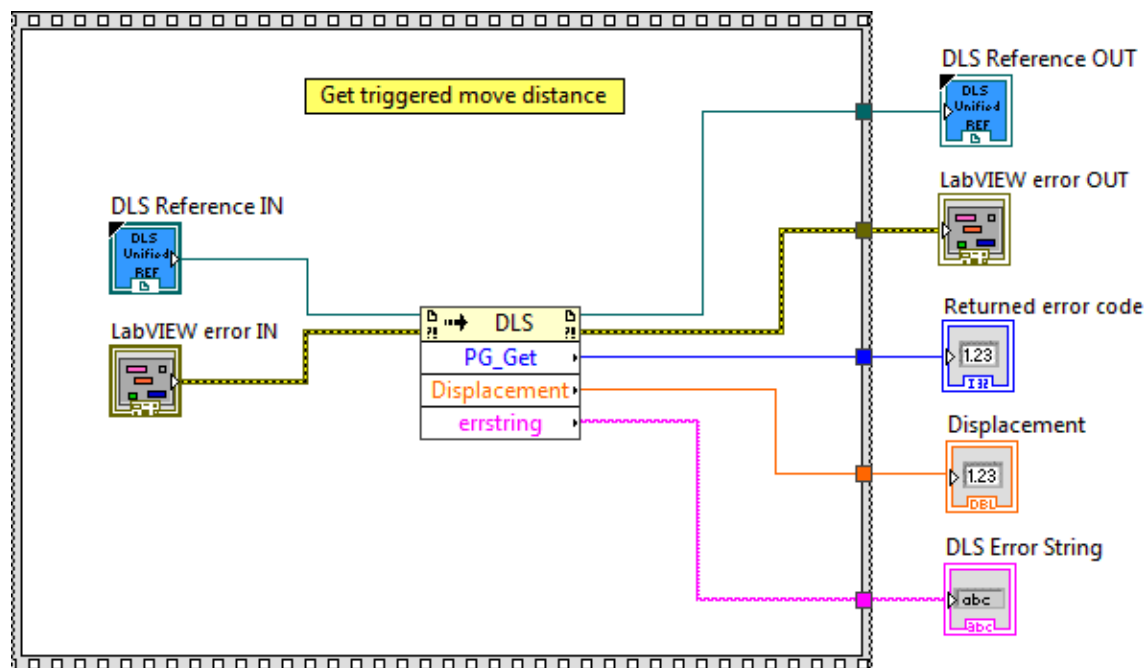
This function is used to get triggered move distance.

### Connector Pane

#### LWDLS\_PG\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Displacement** Displacement



**DLS Error String** return error string from VI

## 2.163 PG\_Set

### Name

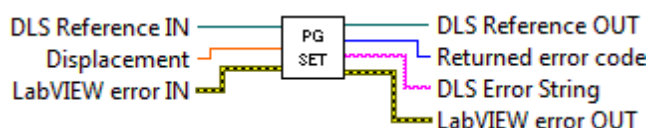
**PG\_Set** – Set triggered move distance.

### Description

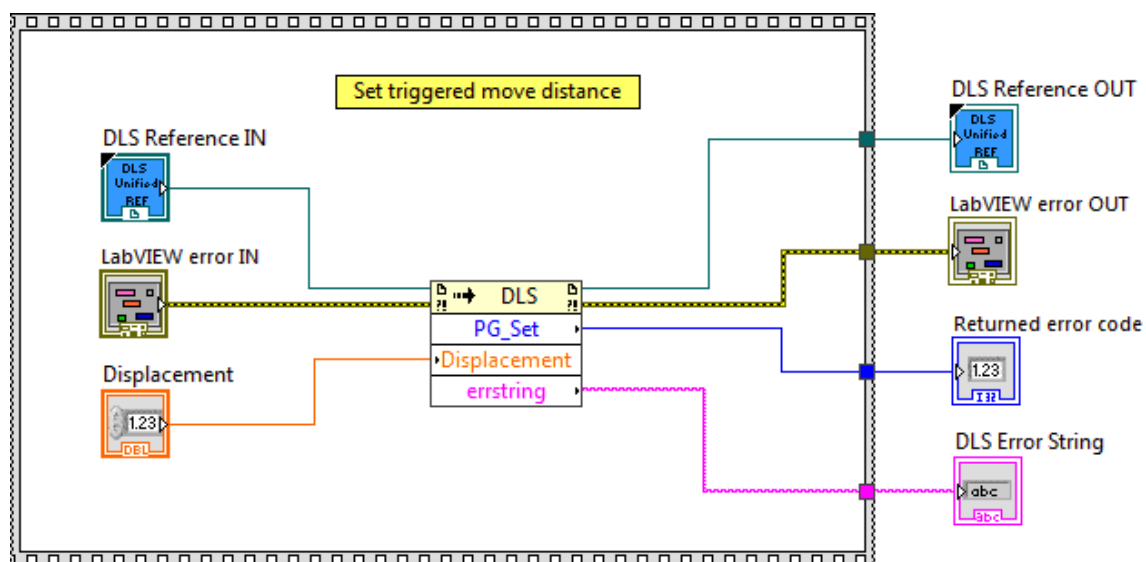
This function is used to set triggered move distance.

### Connector Pane

#### LWDLS\_PG\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference






**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Displacement** Displacement



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.164 PI\_Get

### Name

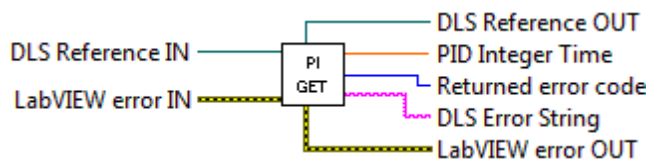
**PI\_Get** – Get PID Integration time.

### Description

This function is used to get PID Integration time.

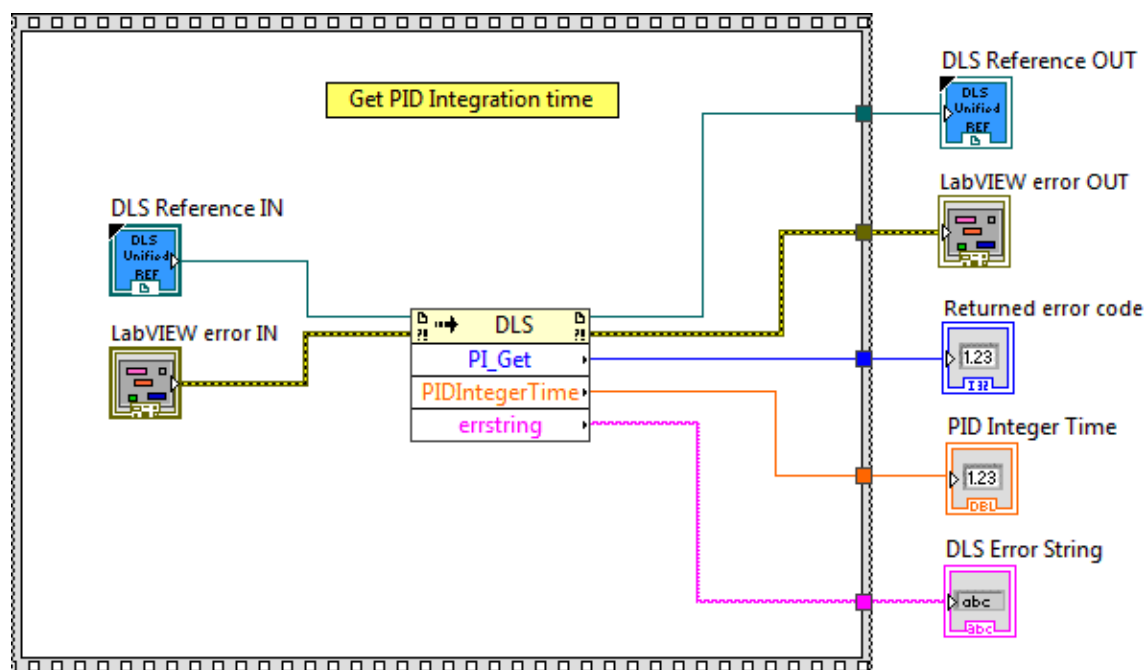
### Connector Pane

#### LWDLS\_PI\_Get.vi










### Screenshot





### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **PID Integer Time** PID integer time
-  **DLS Error String** return error string from VI

## 2.165 PI\_Set

### Name

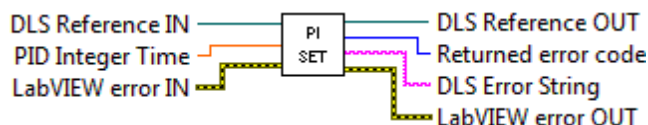
**PI\_Set** – Set PID Integration time.

## Description

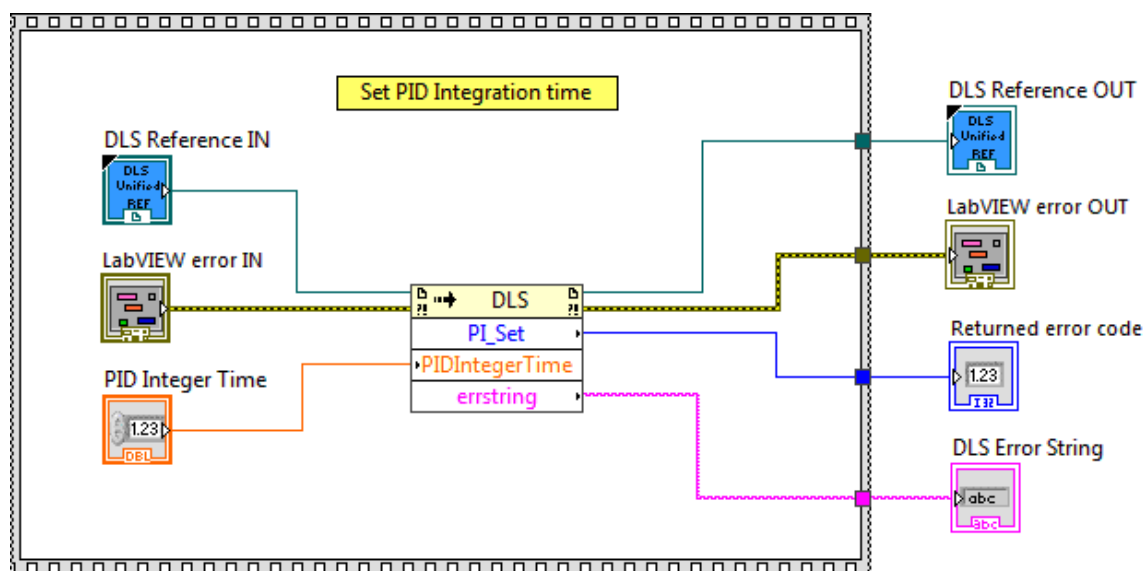
This function is used to set PID Integration time.

## Connector Pane

### LWDLS\_PI\_Set.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**PID Integer Time** PID integer time



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.166 PR\_Get

### Name

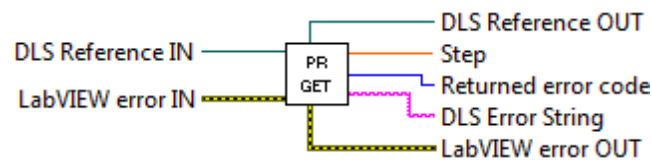
**PR\_Get** – Move relative.

### Description

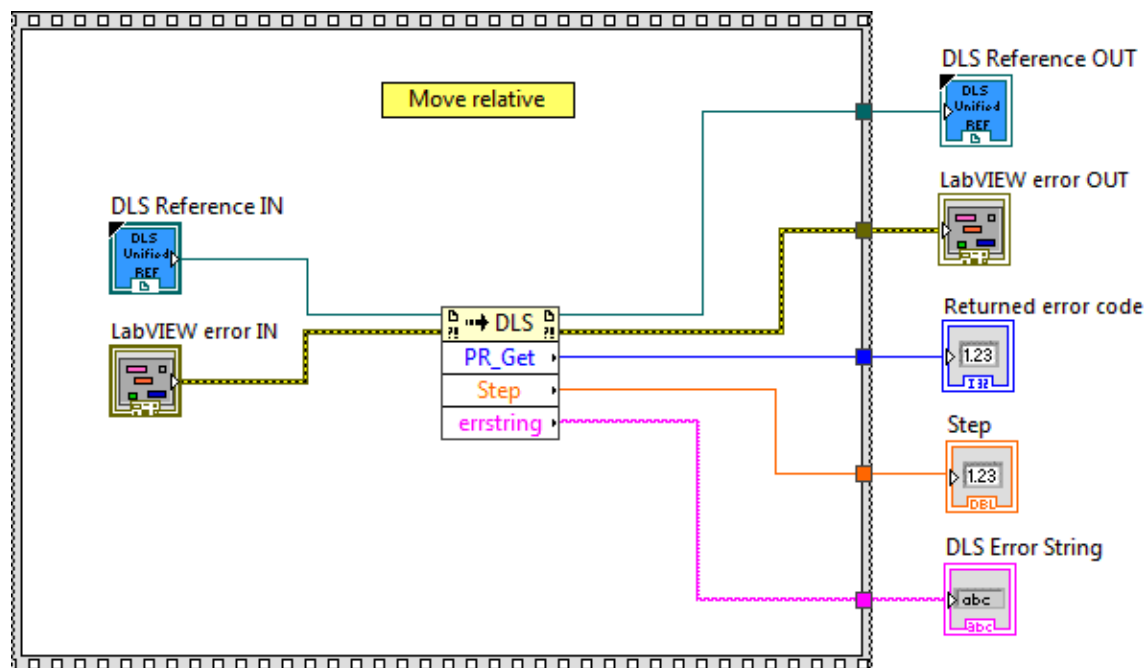
This function is used to Move relative.

### Connector Pane

#### LWDLS\_PR\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Step** Step



**DLS Error String** return error string from VI

## 2.167 PR\_Set

### Name

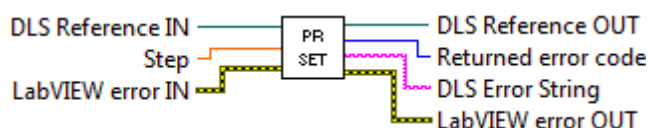
**PR\_Set** – Move relative.

### Description

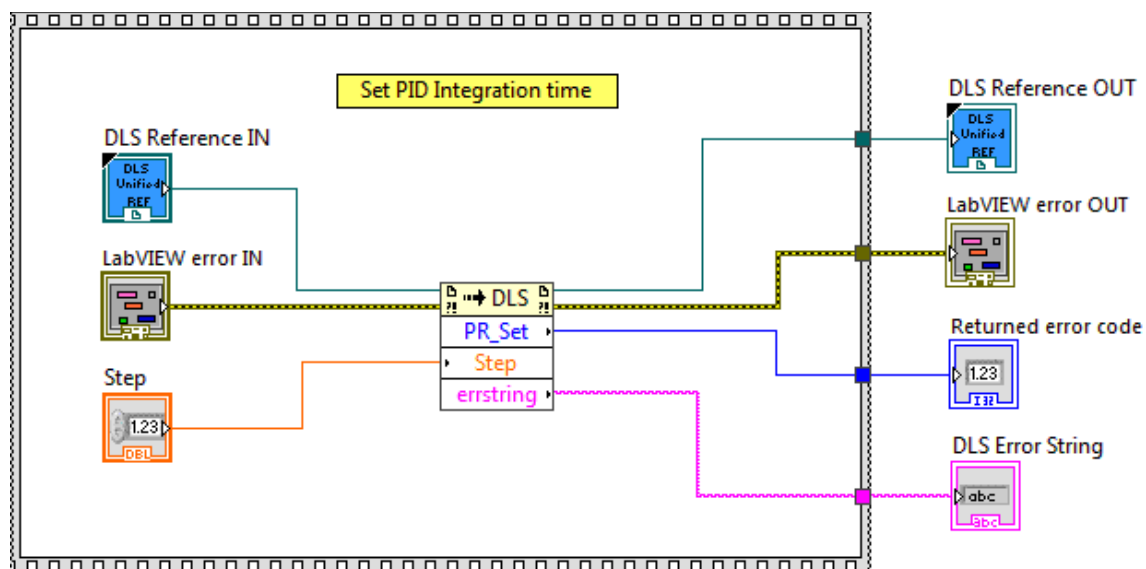
This function is used to Move relative.

### Connector Pane

#### LWDLS\_PR\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference






**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Step Step**



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.168 PTA

### Name

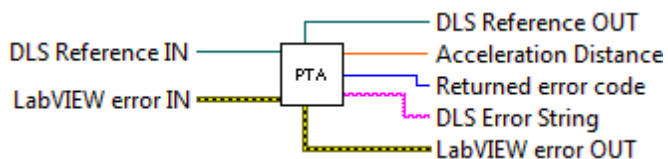
PTA – Get acceleration distance.

### Description

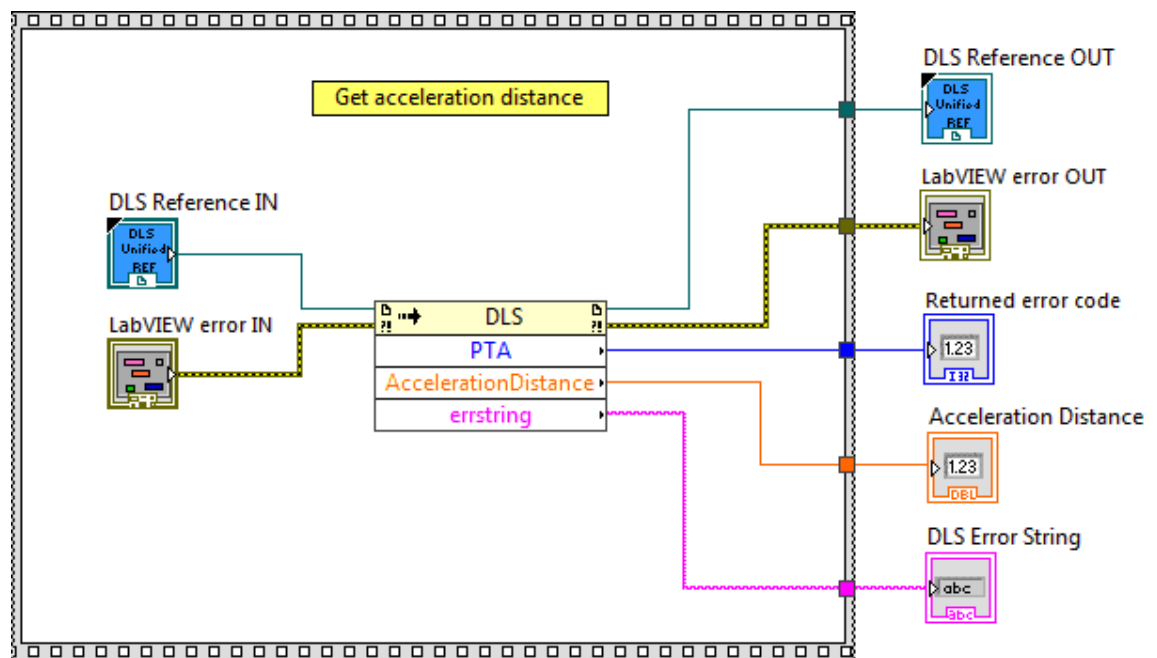
This function is used to get acceleration distance.

### Connector Pane

#### LWDLS\_PTA.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Acceleration Distance** Acceleration distance



**DLS Error String** return error string from VI

## 2.169 PTT

### Name

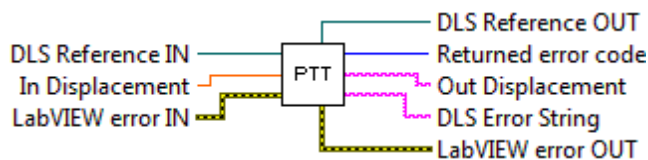
PTT – Get acceleration distance.

## Description

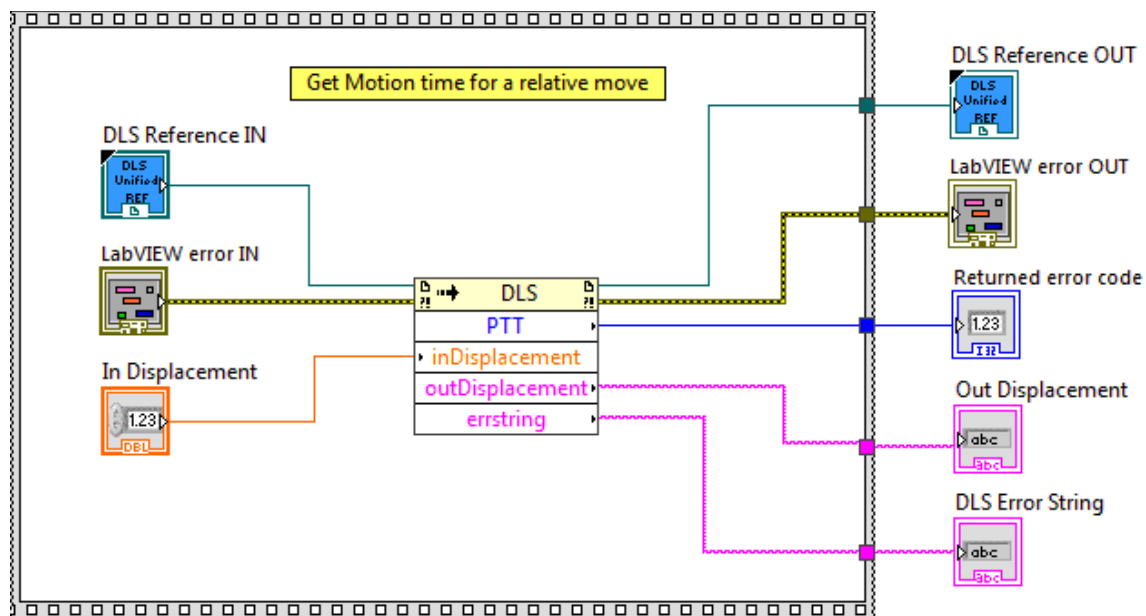
This function is used to get acceleration distance.

## Connector Pane

**LWDLS\_PTT.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.







**In Displacement** The relative move value



**DLS Reference OUT** returns DLS Reference



-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Out Displacement** The relative move value
-  **DLS Error String** return error string from VI

## 2.170 PW\_Get

### Name

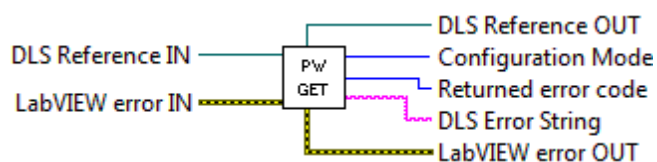
**PW\_Get** – Enter/Leave CONFIGURATION state.

### Description

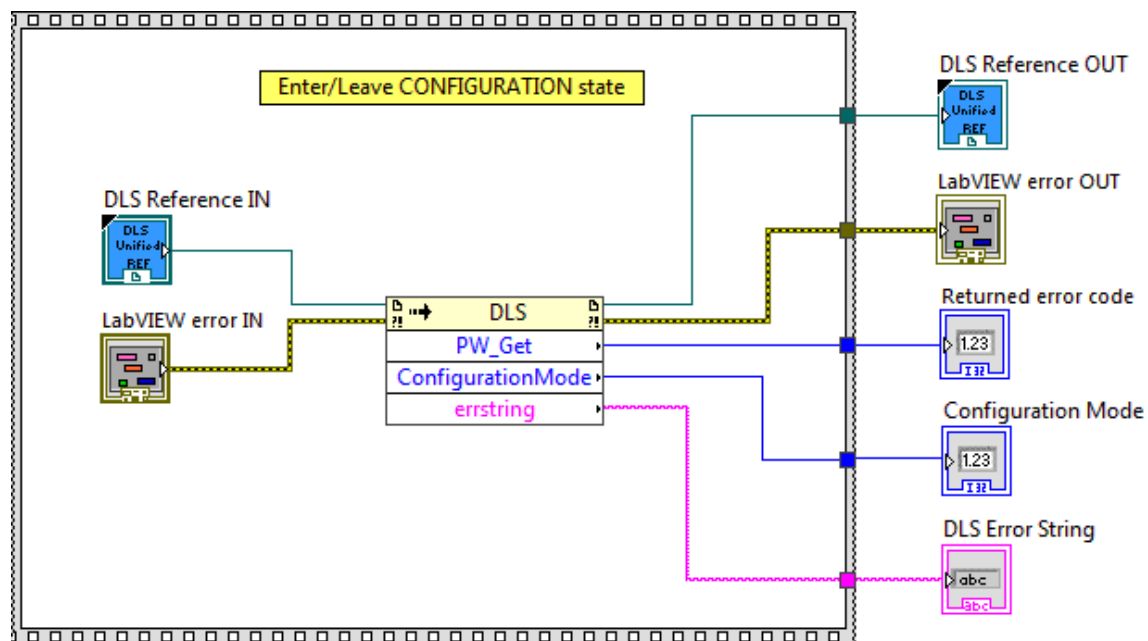
This function is used to Enter/Leave CONFIGURATION state.

### Connector Pane








#### LWDLS\_PW\_Get.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Configuration Mode** Configuration mode
-  **DLS Error String** return error string from VI

## 2.171 PW\_Set

### Name

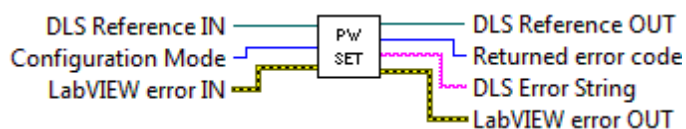
**PW\_Set** – Enter/Leave CONFIGURATION state.

## Description

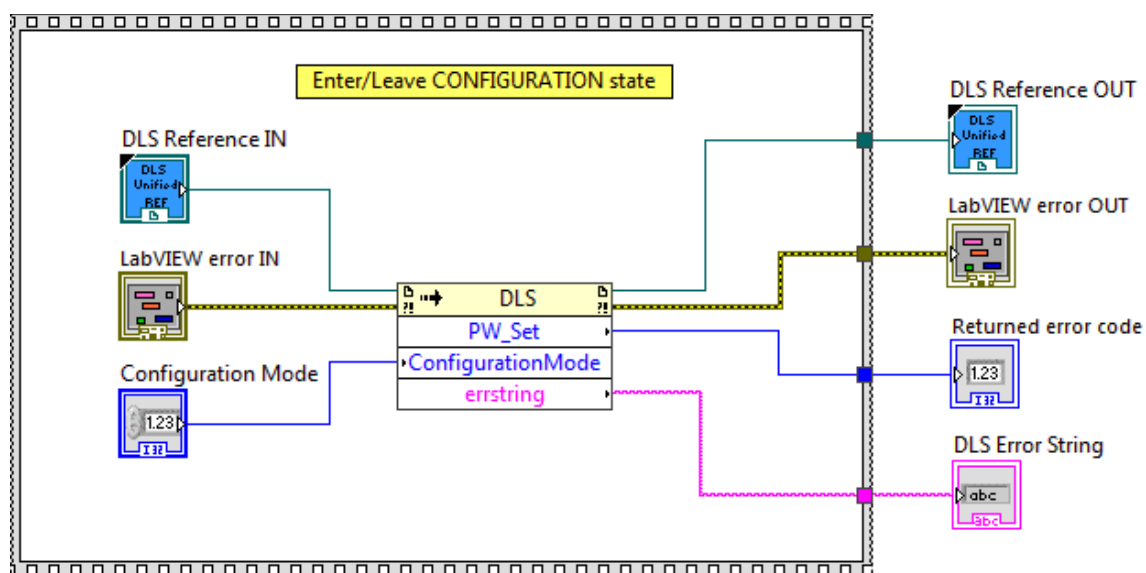
This function is used to Enter/Leave CONFIGURATION state.

## Connector Pane

### LWDLS\_PW\_Set.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Configuration Mode** Configuration mode



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.172 QCF\_Get

### Name

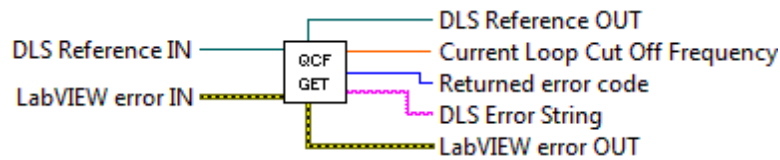
**QCF\_Get** – Get the current loop Cutoff frequency.

### Description

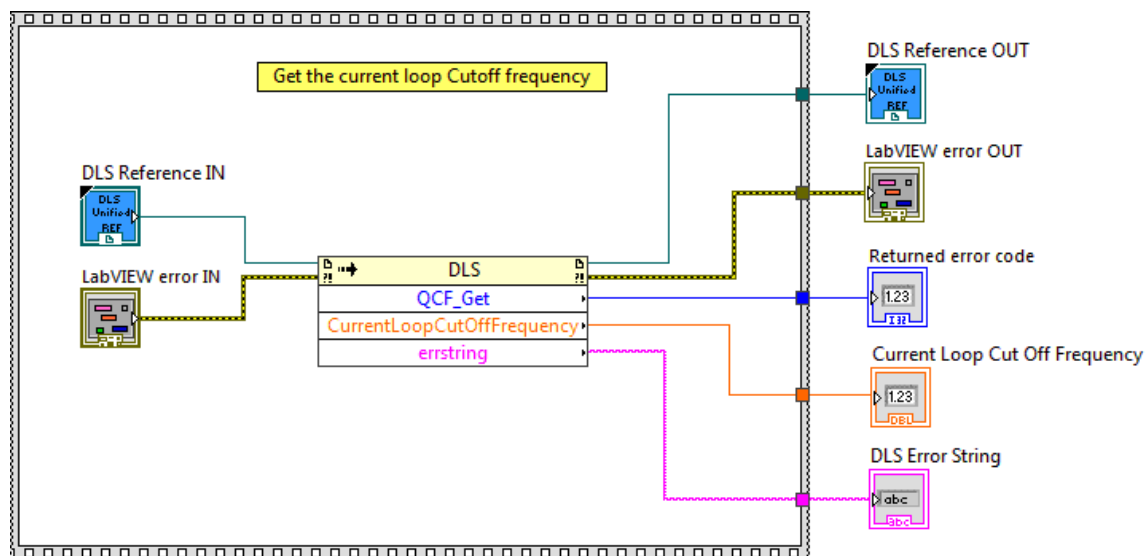
This function is used to get the current loop Cutoff frequency.

### Connector Pane

LWDLS\_QCF\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Current Loop Cut Off Frequency** Current loop cut off frequency



**DLS Error String** return error string from VI

## 2.173 QCF\_Set

### Name

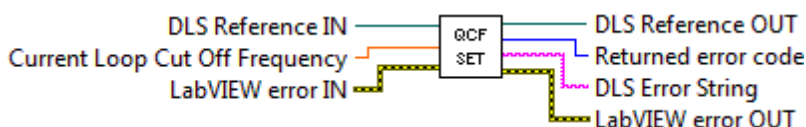
**QCF\_Set** – Set the current loop Cutoff frequency.

## Description

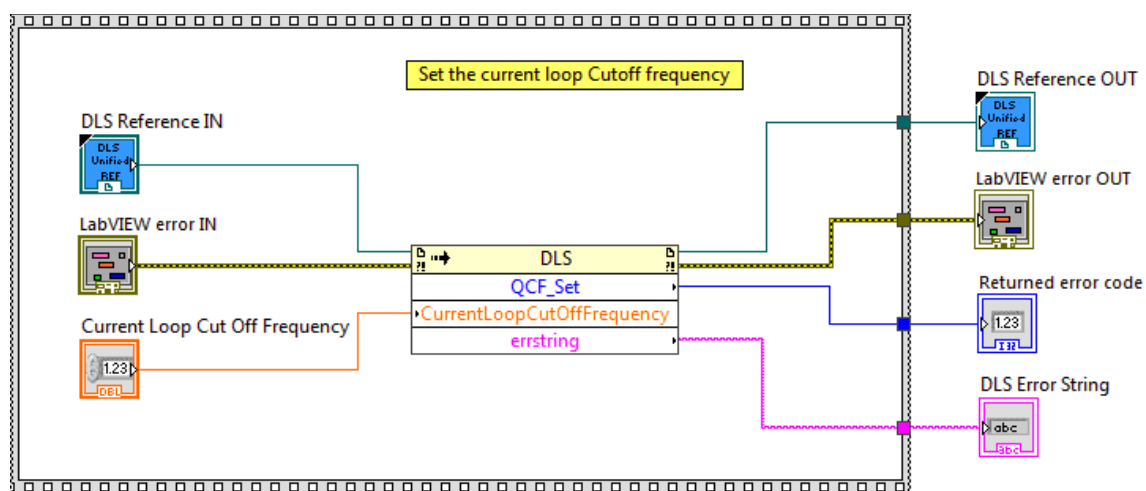
This function is used to set the current loop Cutoff frequency.

## Connector Pane







**LWDLS\_QCF\_Set.vi**




## Screenshot



## Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Current Loop Cut Off Frequency** Current loop cut off frequency
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code

 **DLS Error String** return error string from VI

## 2.174 QCL\_Get

### Name

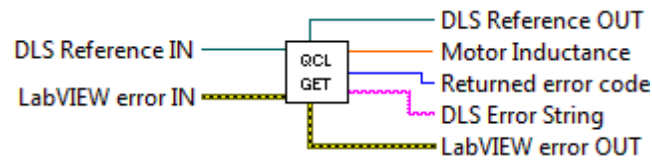
**QCL\_Get** – Get the motors Inductance.

### Description

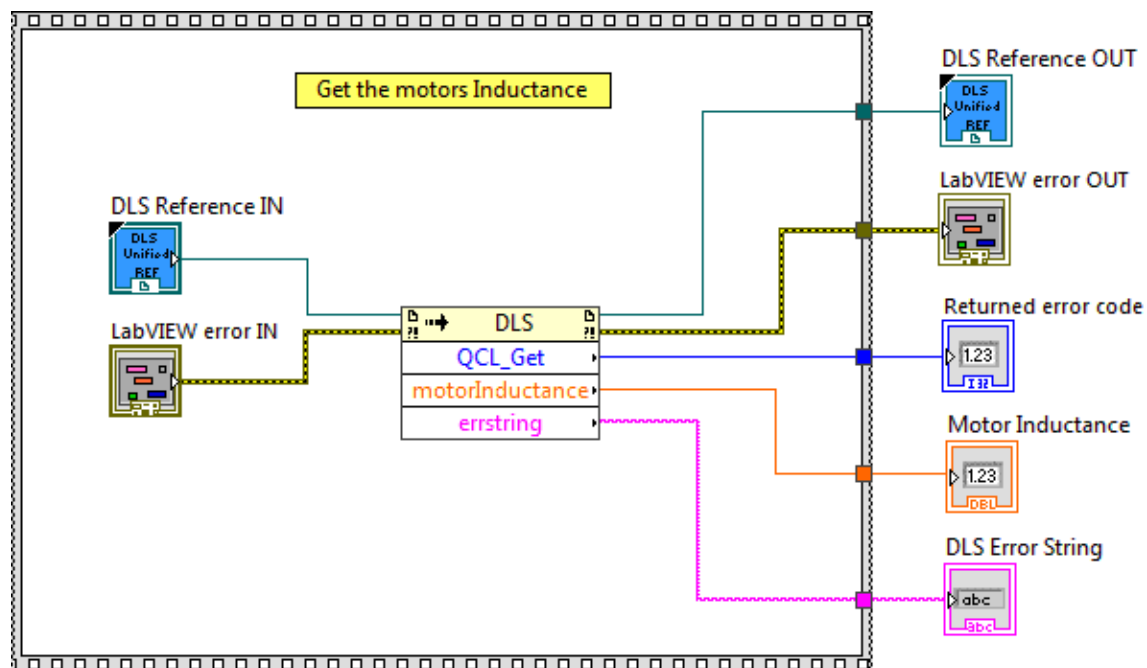
This function is used to get the motors Inductance.

### Connector Pane








LWDLS\_QCL\_Get.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Motor Inductance** Motor inductance
-  **DLS Error String** return error string from VI

## 2.175 QCL\_Set

### Name



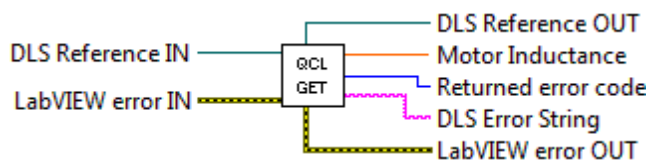
**QCL\_Set** – Set the motors Inductance.

### Description

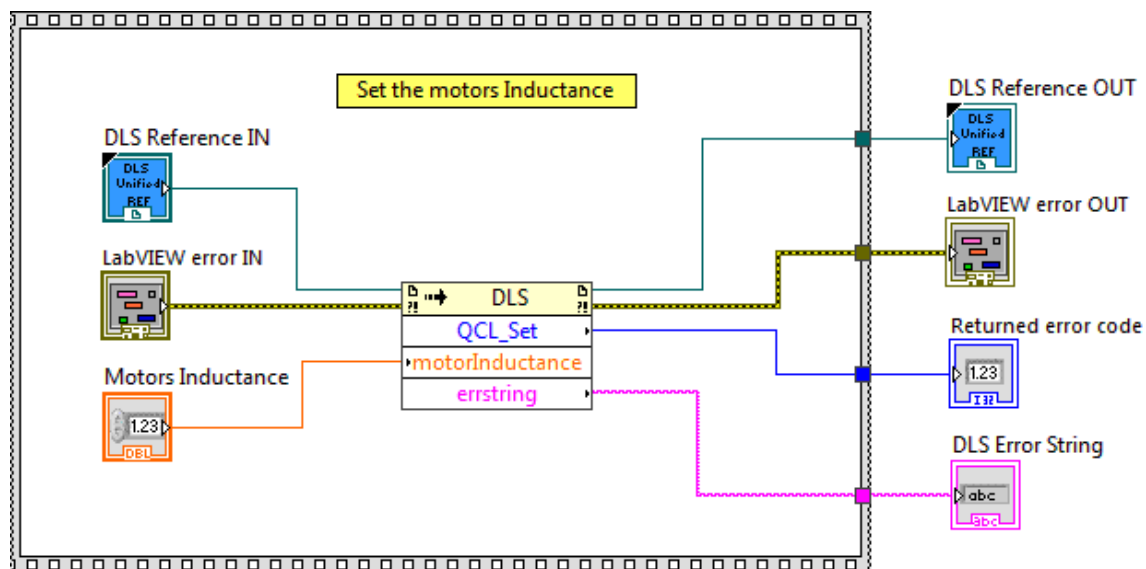
This function is used to set the motors Inductance.

### Connector Pane

#### LWDLS\_QCL\_Set.vi



### Screenshot



### Controls and Indicators







**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Motor Inductance** Motor inductance

-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.176 QCR\_Get

### Name

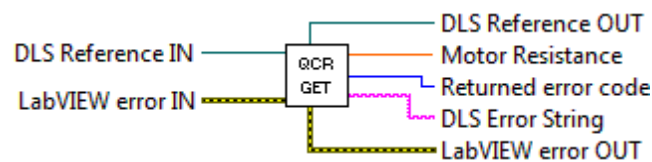
**QCR\_Get** – Get the motors resistance.

### Description

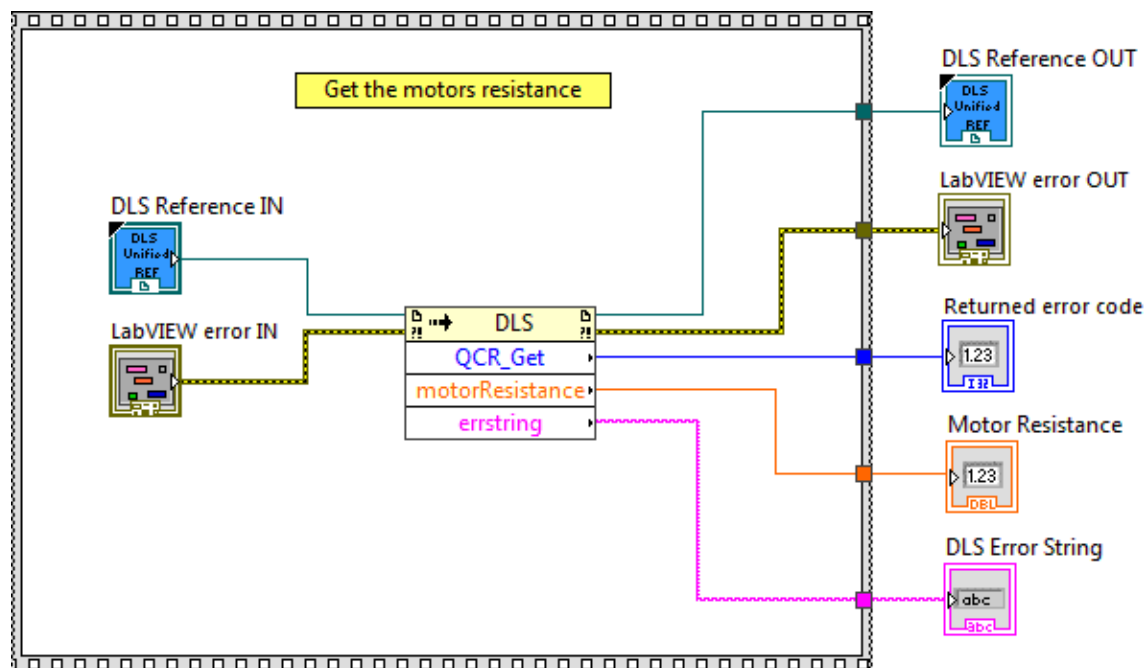
This function is used to get the motors resistance.

### Connector Pane








LWDLS\_QCR\_Get.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Motor Resistance** Motor resistance
-  **DLS Error String** return error string from VI

## 2.177 QCR\_Set

### Name

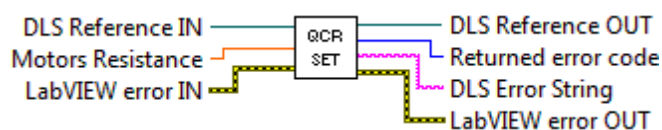
**QCR\_Set** – Set the motors resistance.

### Description

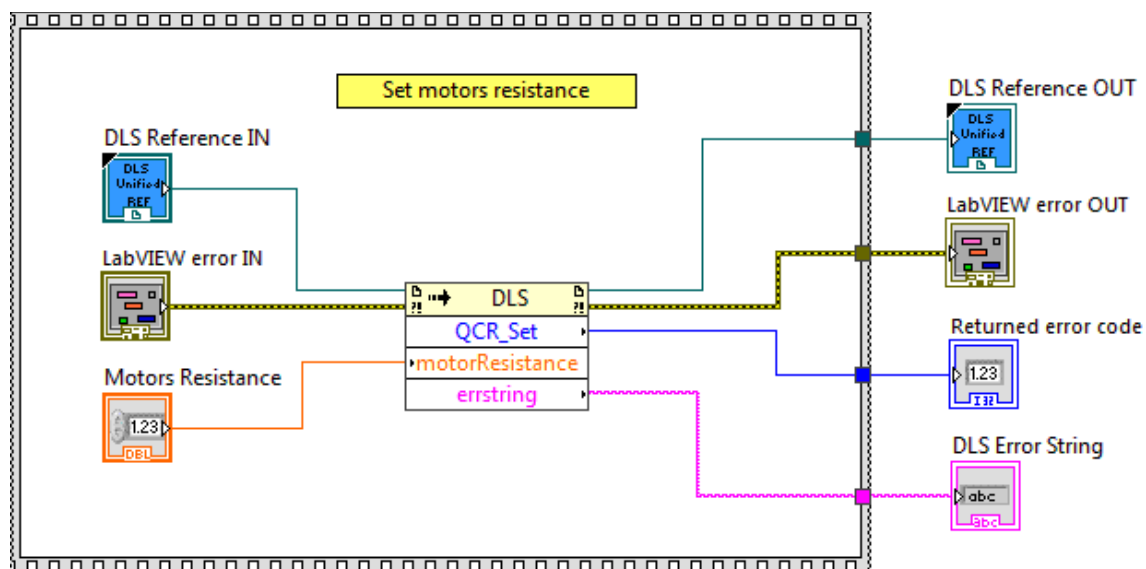
This function is used to set the motors resistance.

### Connector Pane

#### LWDLS\_QCR\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference






**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Motor Resistance** Motor resistance



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.178 QIL\_Get

### Name

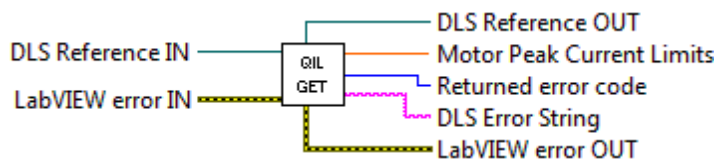
**QIL\_Get** – Get motors peak current limits.

### Description

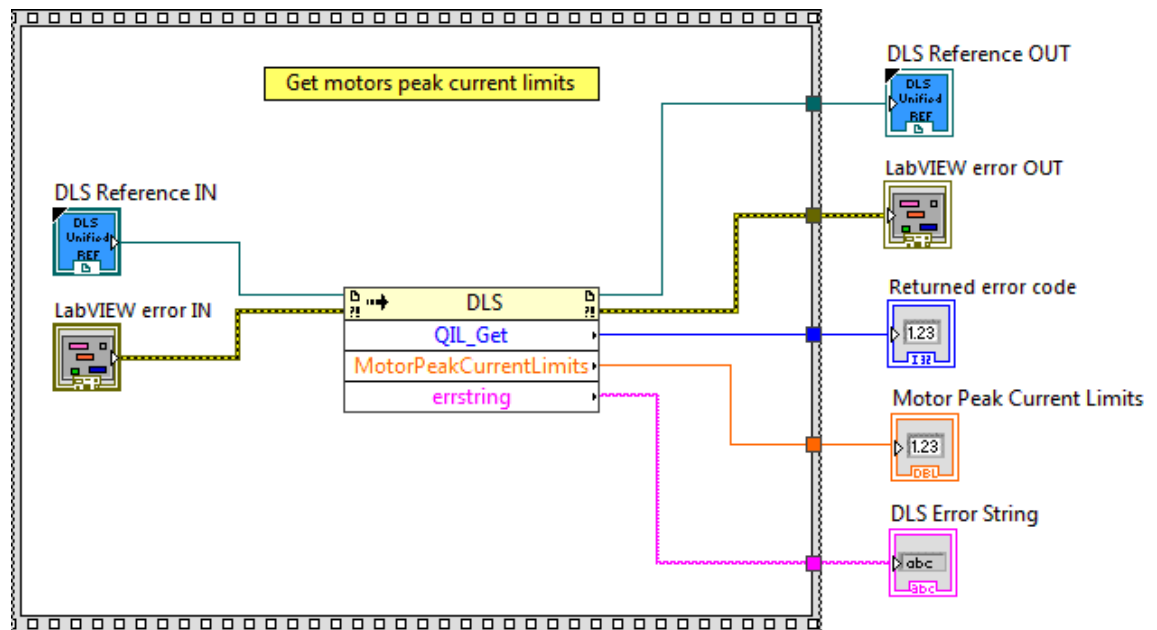
This function is used to get motors peak current limits.

### Connector Pane

#### LWDLS\_QIL\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Motor Peak Current Limits** Motor peak current limits



**DLS Error String** return error string from VI

## 2.179 QIL\_Set

### Name

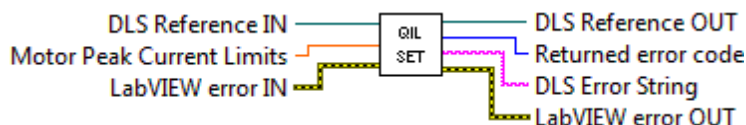
**QIL\_Set** – Set motors peak current limits.

## Description

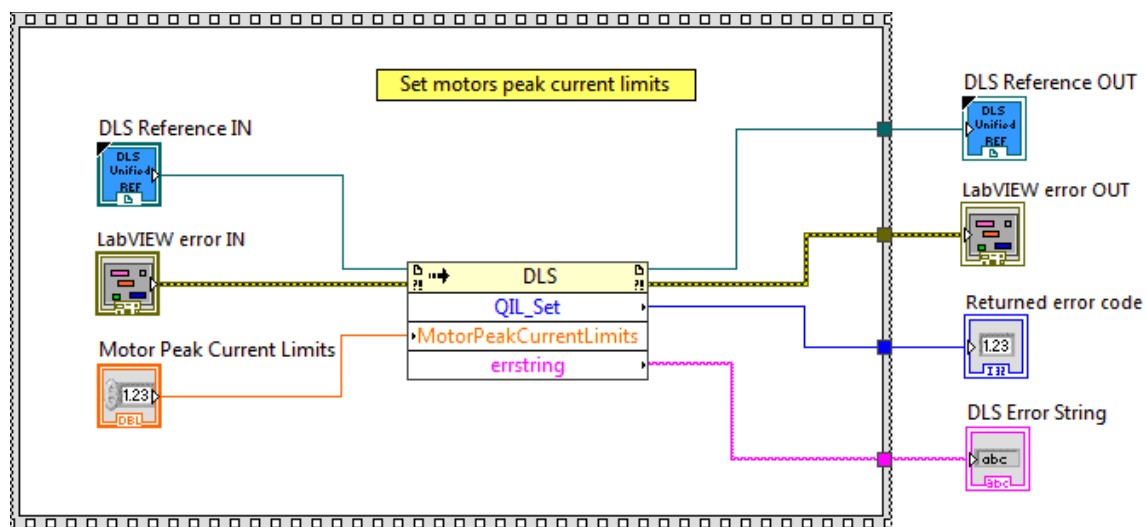
This function is used to set motors peak current limits.

## Connector Pane

LWDLS\_QIL\_Set.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Motor Peak Current Limits** Motor peak current limits




**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.

 **Returned Error Code** Returns function error code

 **DLS Error String** return error string from VI

## 2.180 QIR\_Get

### Name

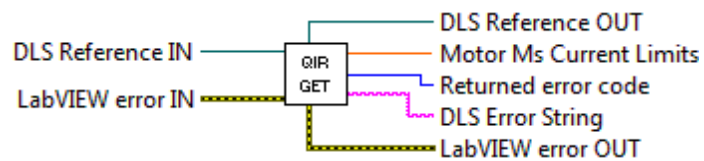
**QIR\_Get** – Get motors ms current limits.

### Description

This function is used to get motors ms current limits.

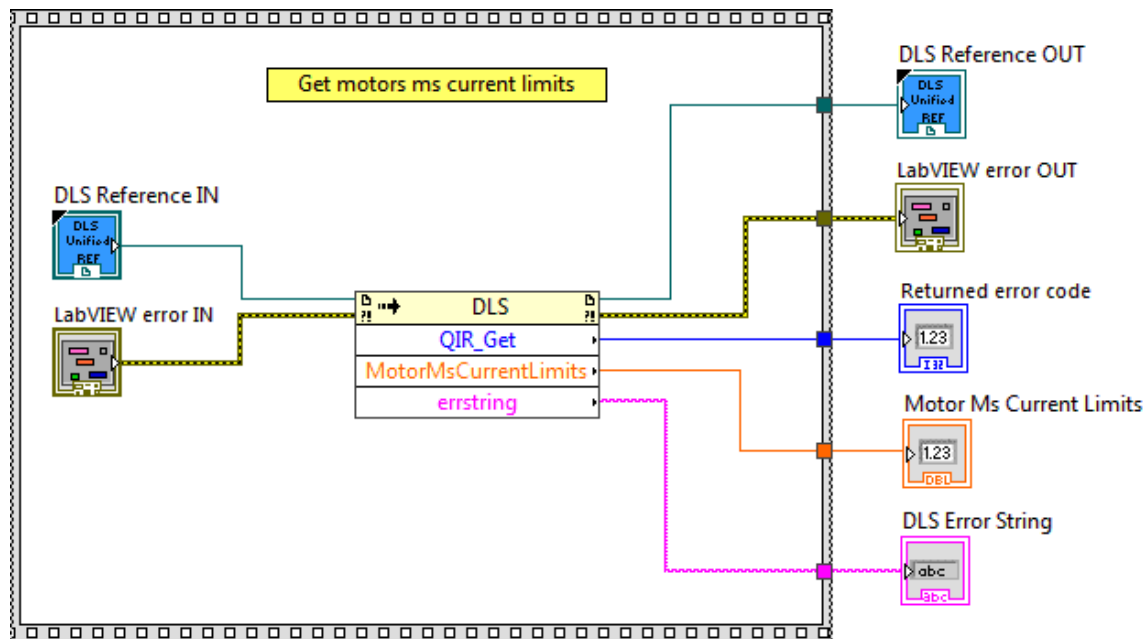
### Connector Pane

LWDLS\_QIR\_Get.vi










### Screenshot





### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs.  
This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Motor Ms Current Limits** Motor ms current limits
-  **DLS Error String** return error string from VI

## 2.181 QIR\_Set

### Name

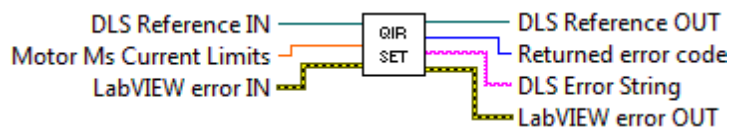
**QIR\_Set** – Set motors ms current limits.

## Description

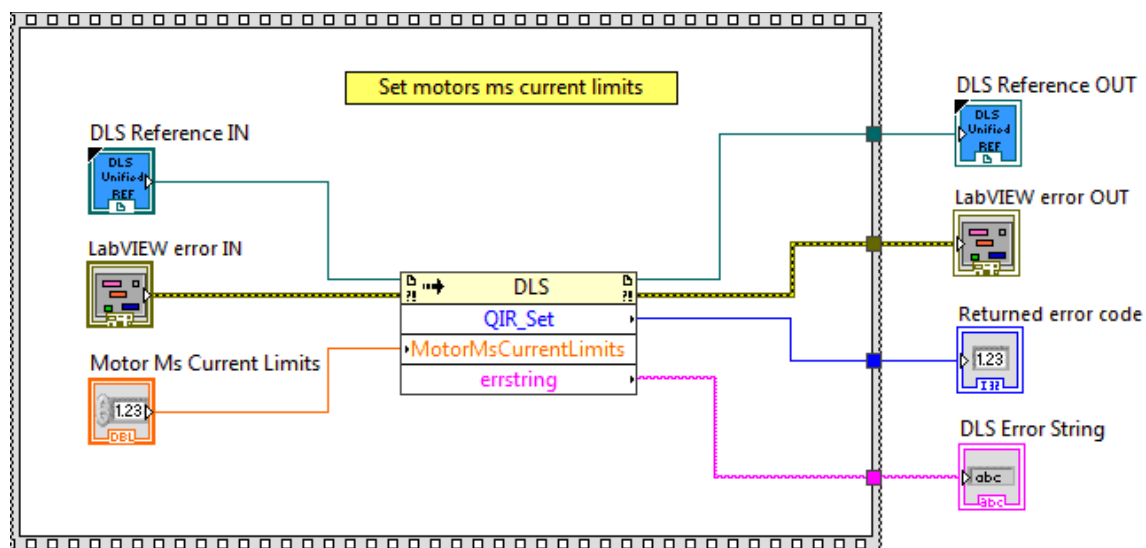
This function is used to set motors ms current limits.

## Connector Pane

### LWDLS\_QIR\_Set.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Motor Ms Current Limits** Motor ms current limits




**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.

 **Returned Error Code** Returns function error code

 **DLS Error String** return error string from VI

## 2.182 QIT\_Get

### Name

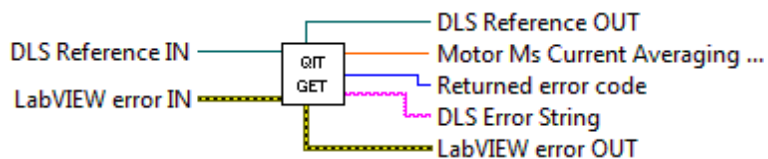
**QIT\_Get** – Get motors ms current averaging time.

### Description

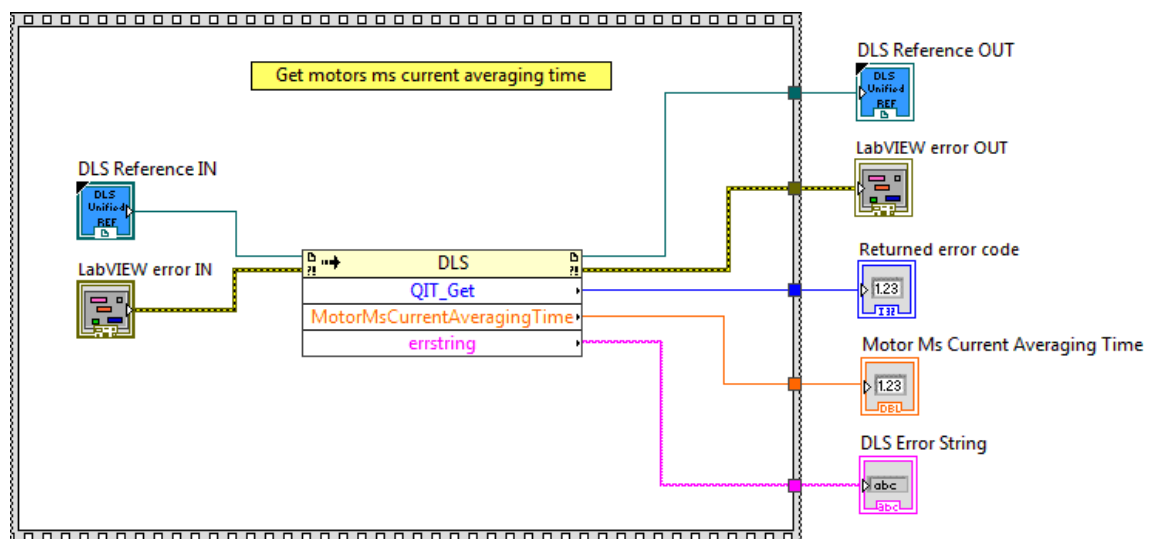
This function is used to get motors ms current averaging time.

### Connector Pane

#### LWDLS\_QIT\_Get.vi



### Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Motor Ms Current Averaging Time** Motor ms current averaging time



**DLS Error String** return error string from VI

## 2.183 QIT\_Set

### Name

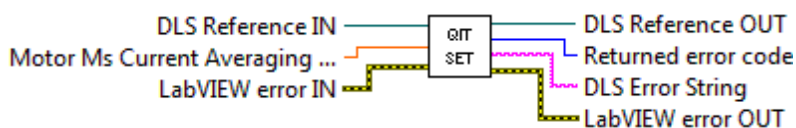
**QIT\_Set** – Set motors ms current averaging time.

### Description

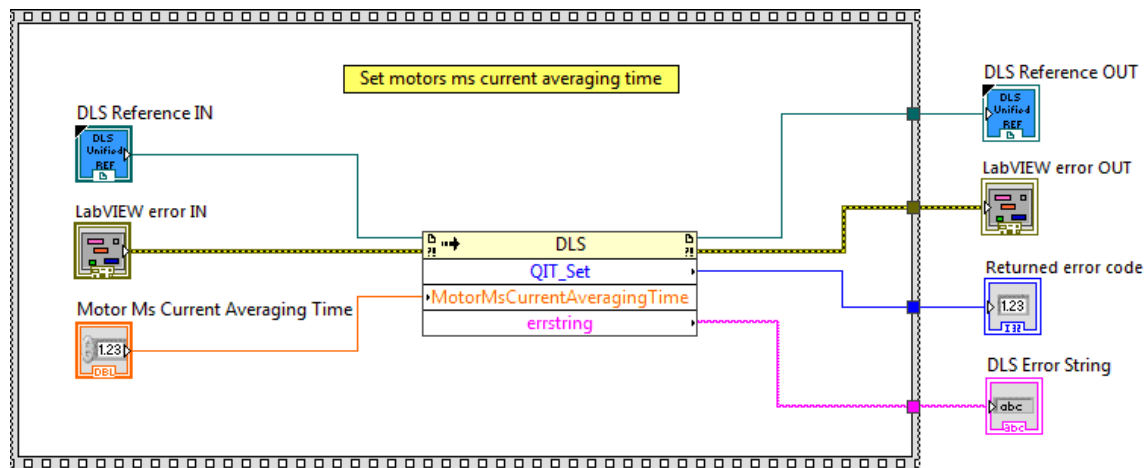
This function is used to set motors ms current averaging time.

### Connector Pane

#### LWDLS\_QIT\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Motor Ms Current Averaging Time** Motor ms current averaging time



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.184 RAA

### Name

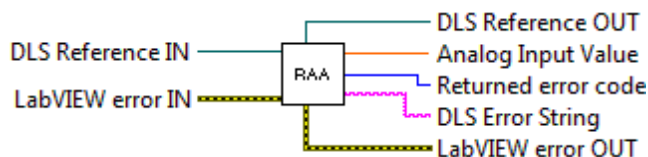
**RAA**– Get analog input value.

### Description

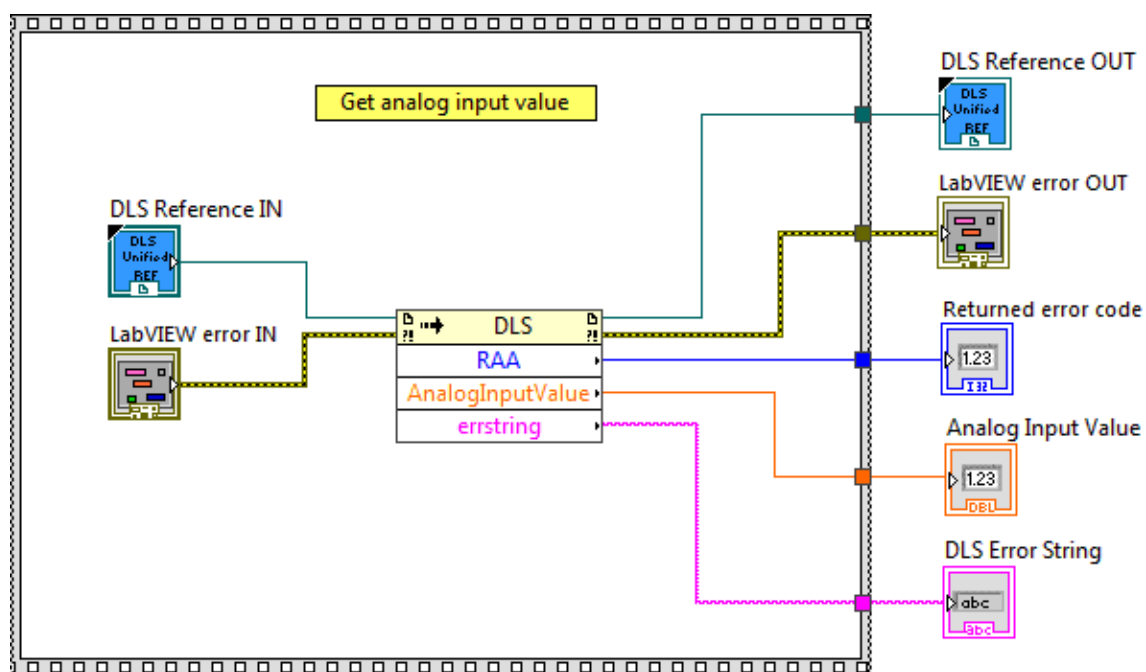
This function is used to get analog input value.

## Connector Pane

LWDLS\_RAA.vi



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Analog Input Value** Analog input value



**DLS Error String** return error string from VI

## 2.185 RAB

### Name

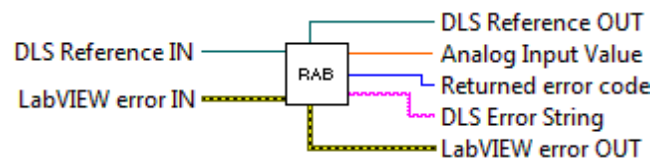
**RAB**– Get analog input value.

### Description

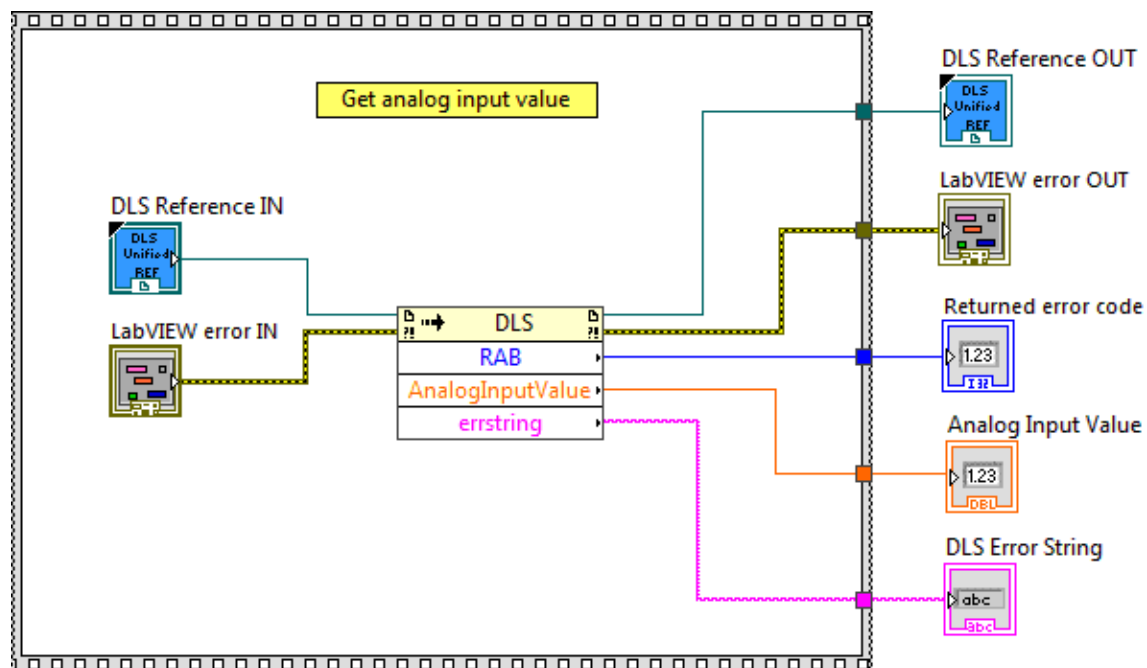
This function is used to get analog input value.

### Connector Pane

#### LWDLS\_RAB.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Analog Input Value** Analog input value



**DLS Error String** return error string from VI

## 2.186 RF\_Get

### Name



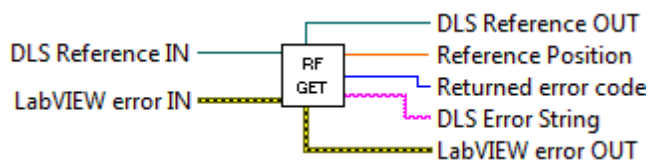
**RF\_Get** – Get the reference position.

### Description

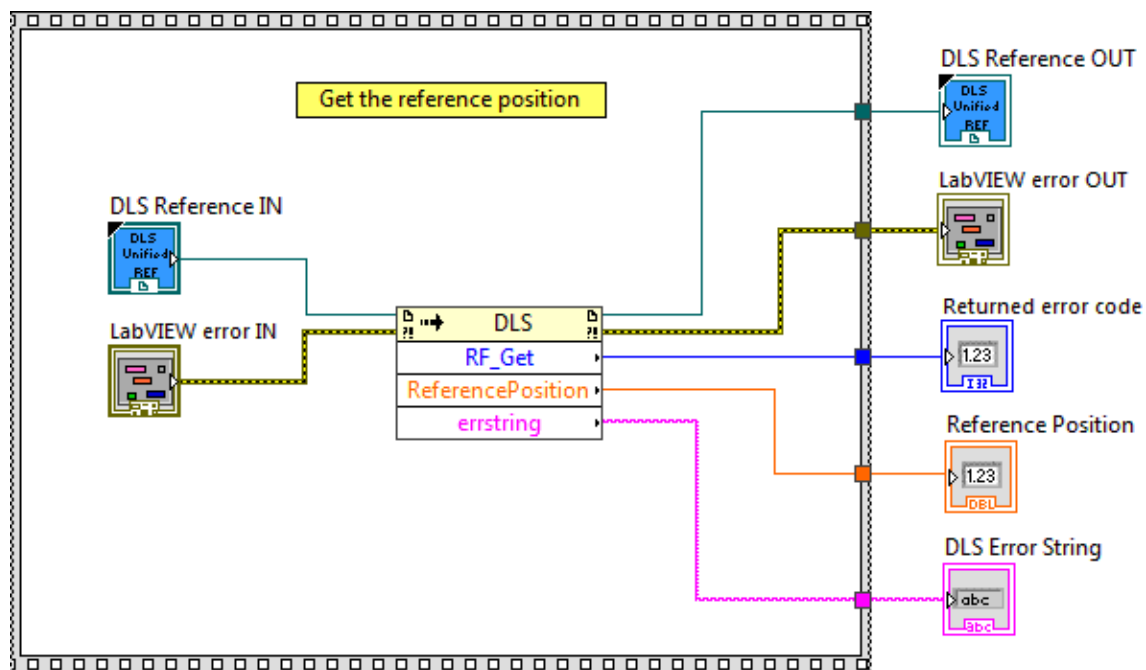
This function is used to get the reference position.

### Connector Pane

#### LWDLS\_RF\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Reference Position** Reference position



**DLS Error String** return error string from VI

## 2.187 RF\_Set

### Name

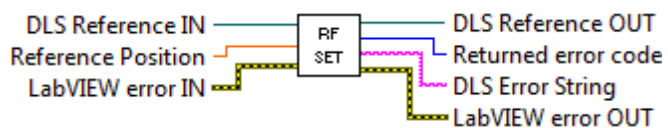
**RF\_Set** – Set the reference position.

### Description

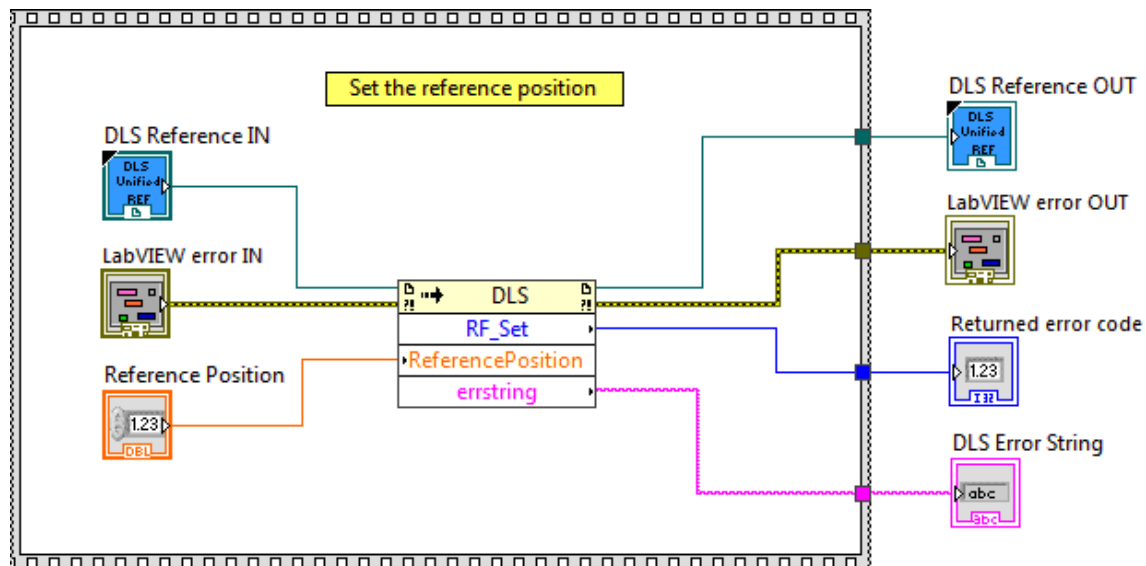
This function is used to set the reference position.

### Connector Pane








#### LWDLS\_RF\_Set.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Reference Position** Reference position
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.188 RS

### Name

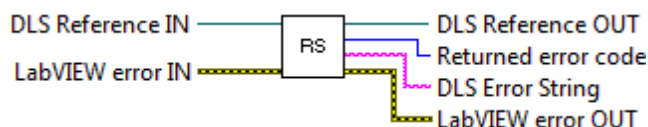
RS – Reset controller.

## Description

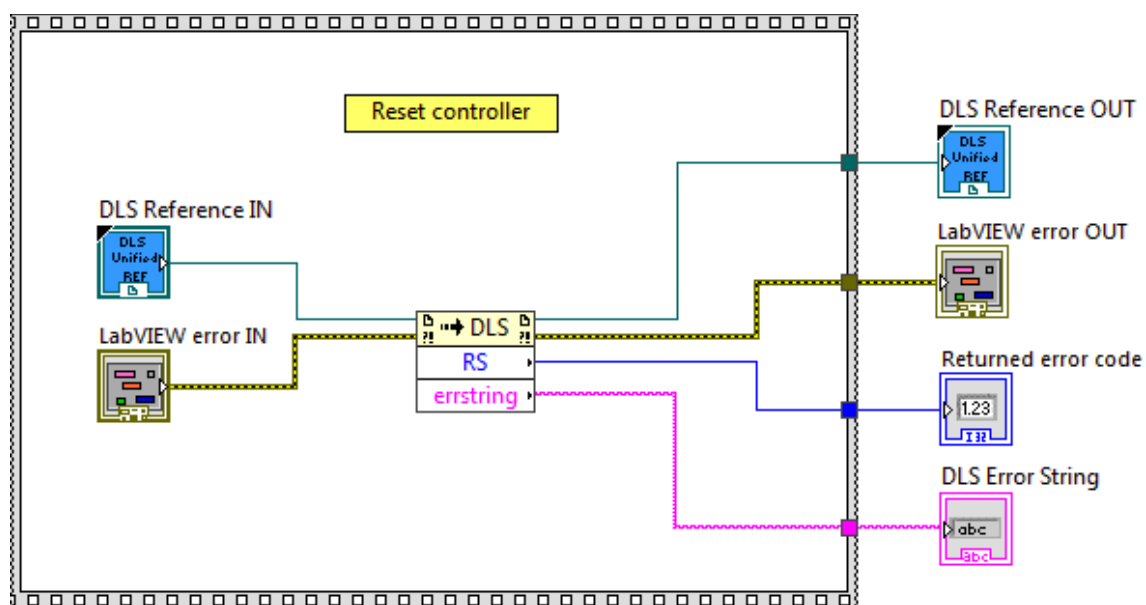
This function is used to reset controller.

## Connector Pane

**LWDLS\_RS.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.




**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.

 **Returned Error Code** Returns function error code

 **DLS Error String** return error string from VI

## 2.189 SC\_Get

### Name

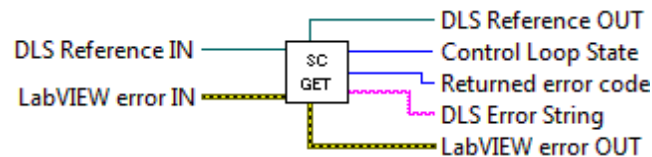
**SC\_Get** – Get control loop state.

### Description

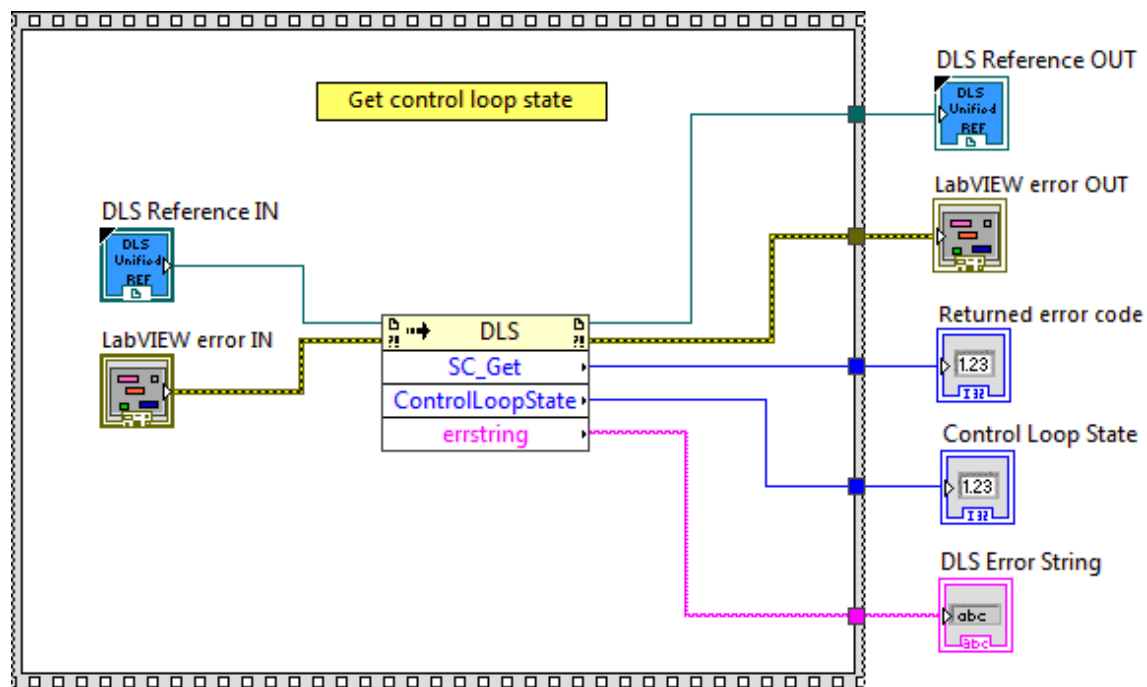
This function is used to get control loop state.

### Connector Pane

#### LWDLS\_SC\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Control Loop State** Control loop state



**DLS Error String** return error string from VI

## 2.190 SC\_Set

### Name

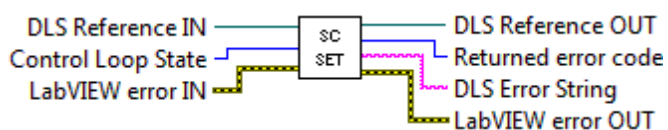
SC\_Set – Set control loop state.

### Description

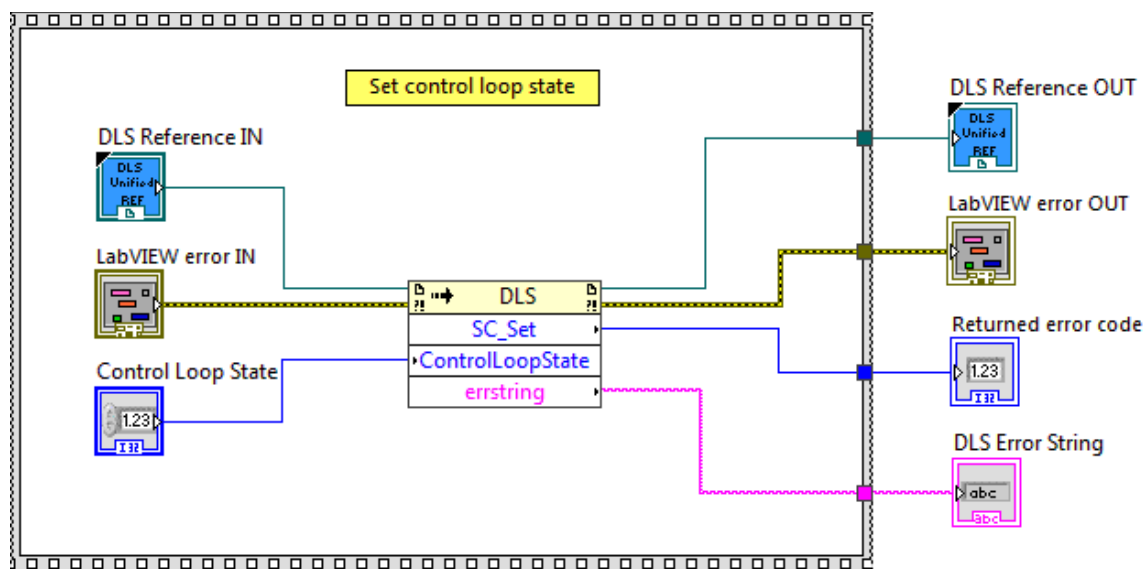
This function is used to set control loop state.

### Connector Pane

#### LWDLS\_SC\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference






**LabVIEW error IN** describes error conditions that occur before this node runs.  
This input provides standard error in functionality.



**Control Loop State** Control loop state



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.191 SL\_Get

### Name

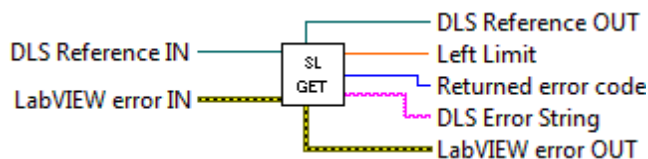
**SL\_Get** – Get negative software limit.

### Description

This function is used to get negative software limit.

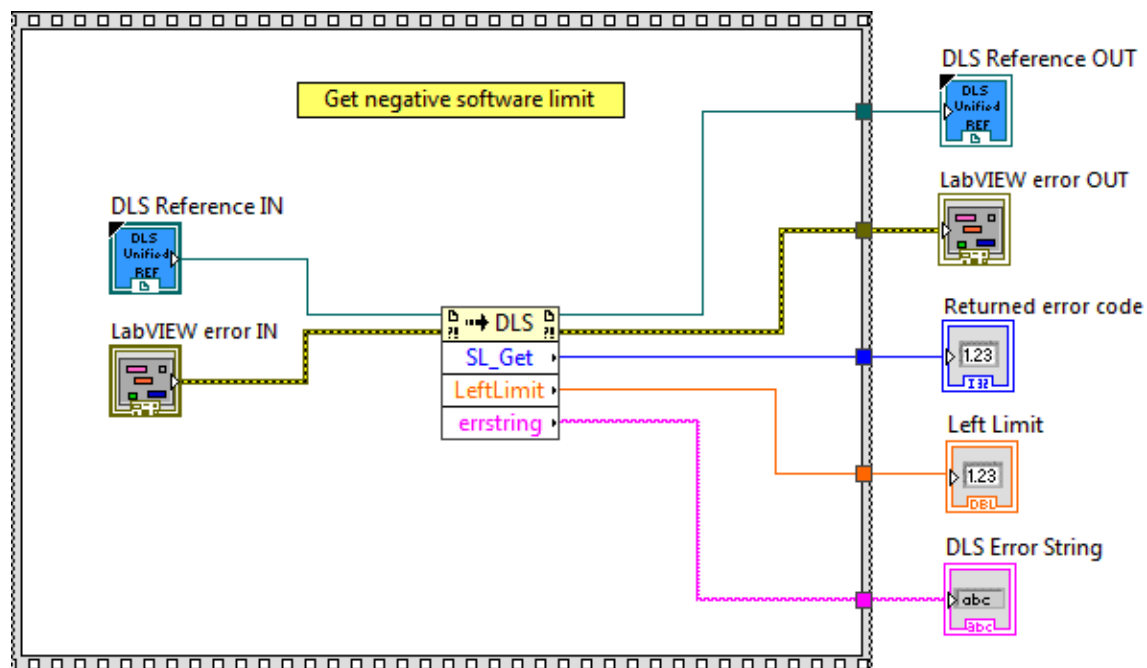
### Connector Pane

#### LWDLS\_SL\_Get.vi










### Screenshot





### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Left Limit** Left limit
-  **DLS Error String** return error string from VI

## 2.192 SL\_Set

### Name

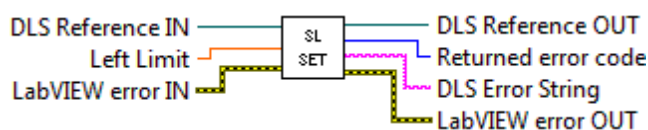
**SL\_Set** – Set negative software limit.

### Description

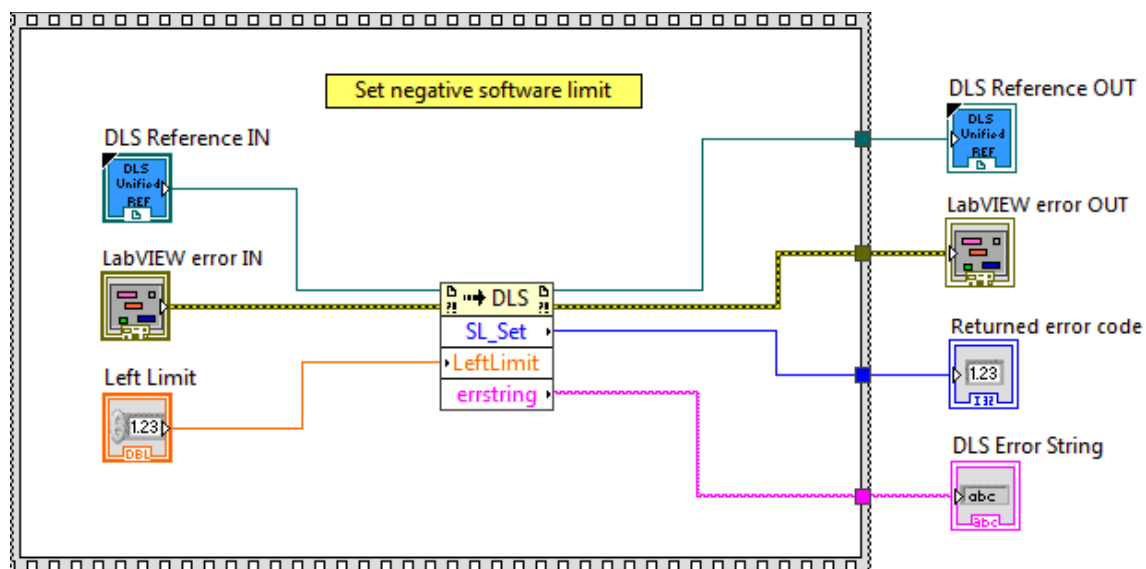
This function is used to set negative software limit.

### Connector Pane

#### LWDLS\_SL\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference






**LabVIEW error IN** describes error conditions that occur before this node runs.  
This input provides standard error in functionality.



**Left Limit** Left limit



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.193 SN\_Get

### Name

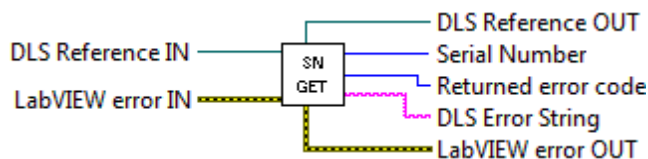
SN\_Get – Get serial number.

### Description

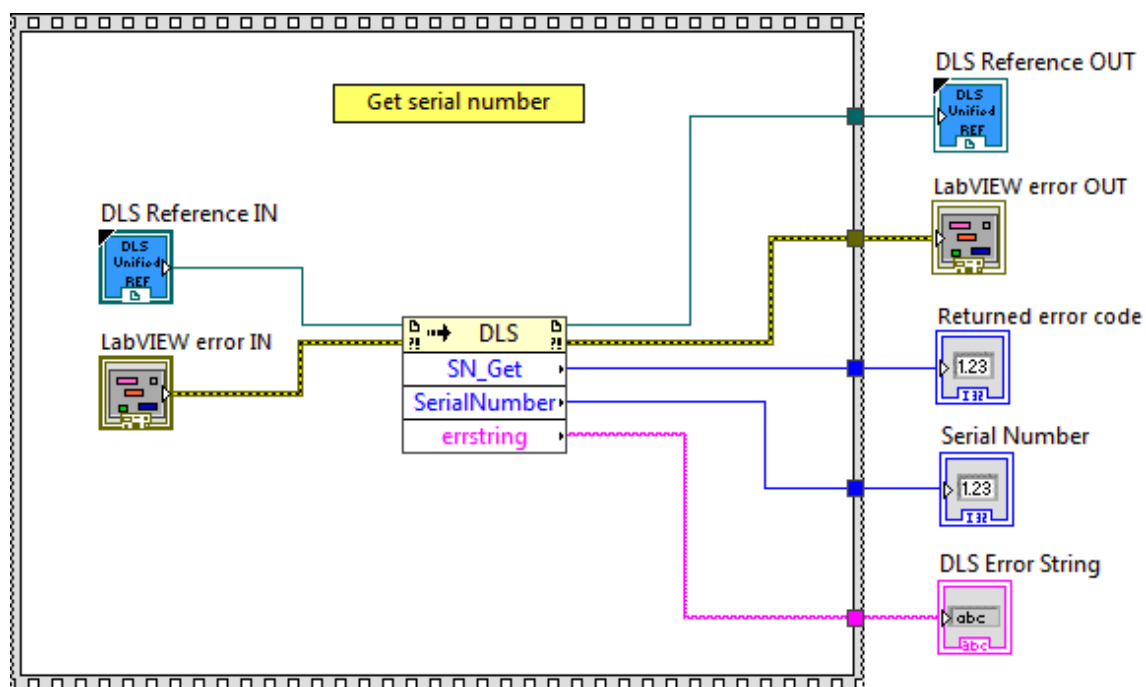
This function is used to get serial number.

### Connector Pane

LWDLS\_SN\_Get.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Serial Number** Serial number



**DLS Error String** return error string from VI

### 2.194 SN\_Set

#### Name

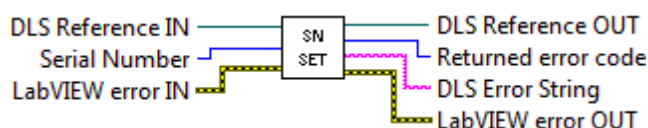
SN\_Set – Set serial number.

### Description

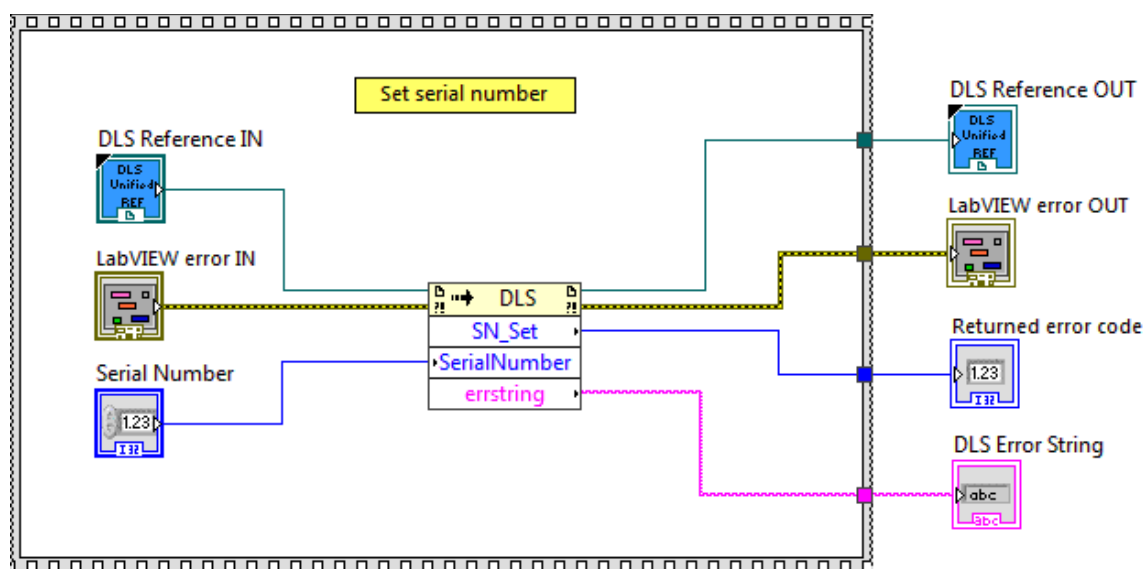
This function is used to set serial number.

### Connector Pane

#### LWDLS\_SN\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.




This input provides standard error in functionality.



**Serial Number** Serial number



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.195 SR\_Get

### Name

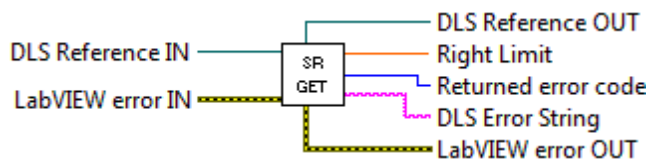
**SR\_Get** – Get positive software limit.

### Description

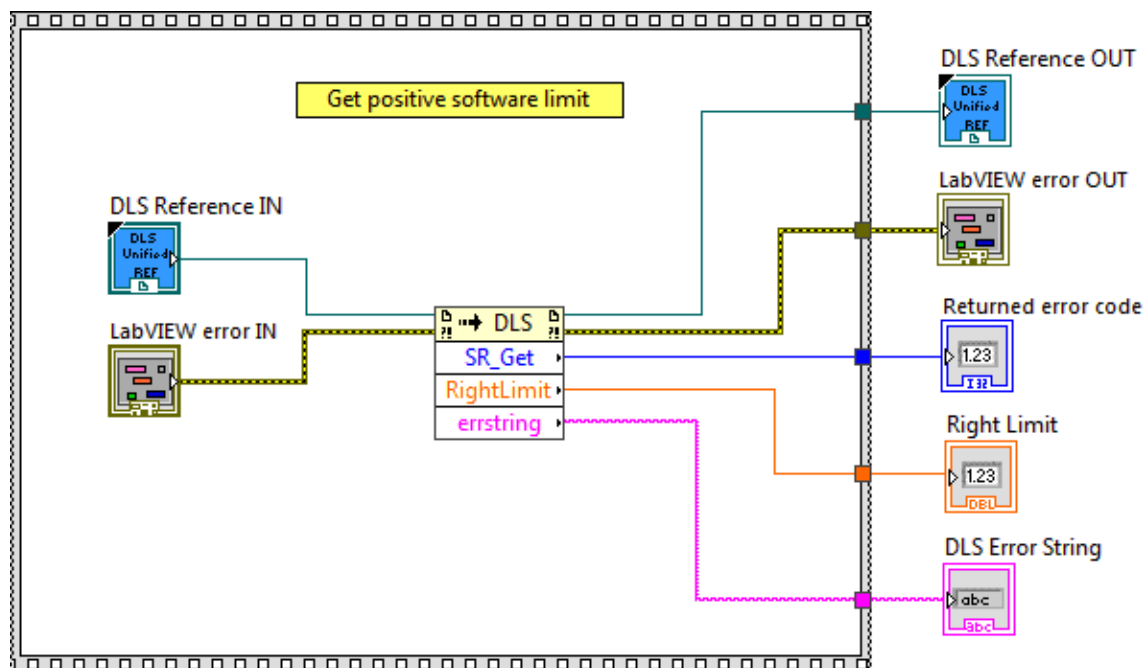
This function is used to get positive software limit.

### Connector Pane








#### LWDLS\_SR\_Get.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs.  
This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Right Limit** Right limit
-  **DLS Error String** return error string from VI

## 2.196 SR\_Set

### Name

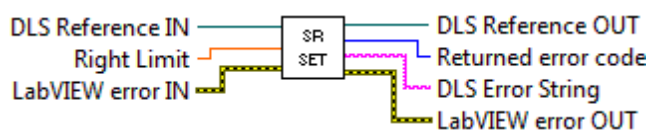
**SR\_Set** – Get positive software limit.

### Description

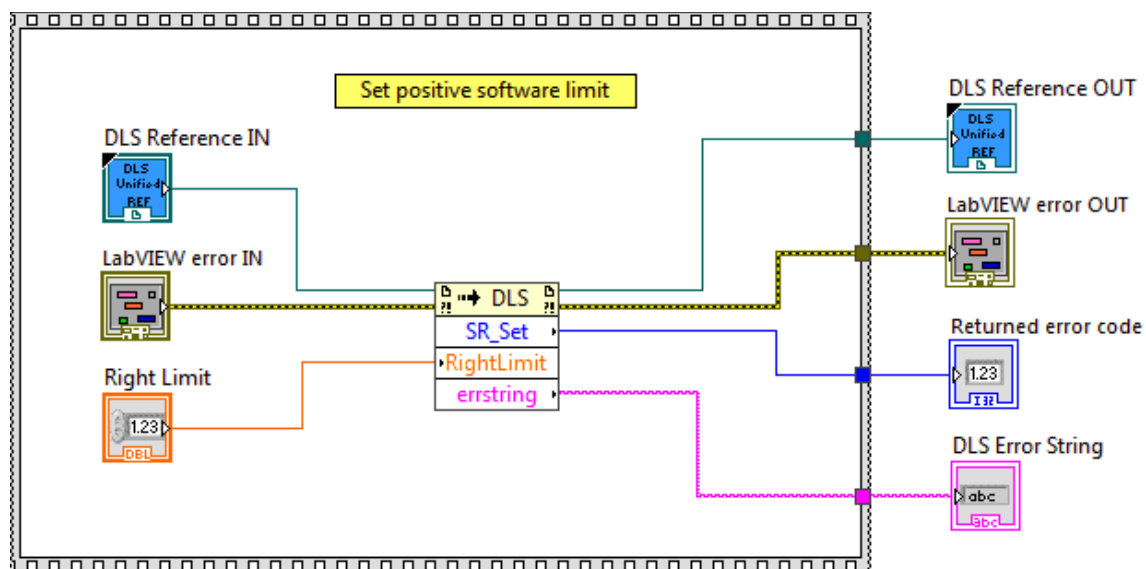
This function is used to set positive software limit.

### Connector Pane

#### LWDLS\_SR\_Set.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.






**Right Limit** Right limit



**DLS Reference OUT** returns DLS Reference



-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.197 **ST**

### Name

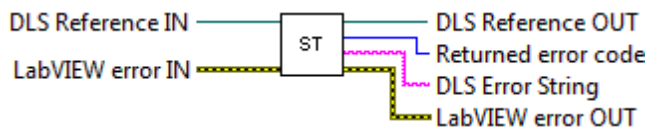
ST – Stop motion.

### Description

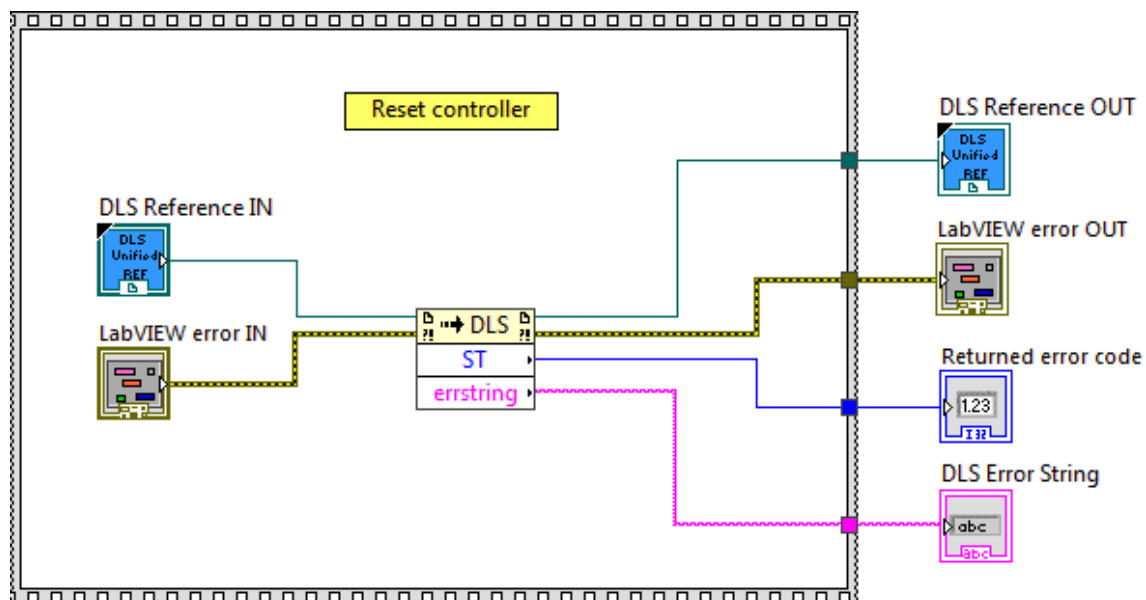
This function is used to stop motion.

### Connector Pane

LWDLS\_ST.vi



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**DLS Error String** return error string from VI

## 2.198 TB

### Name

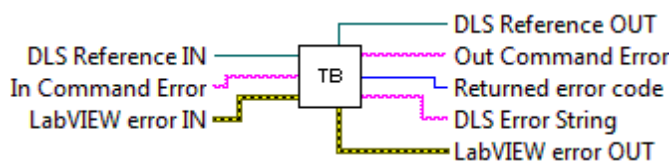
**TB** – Get last command error.

### Description

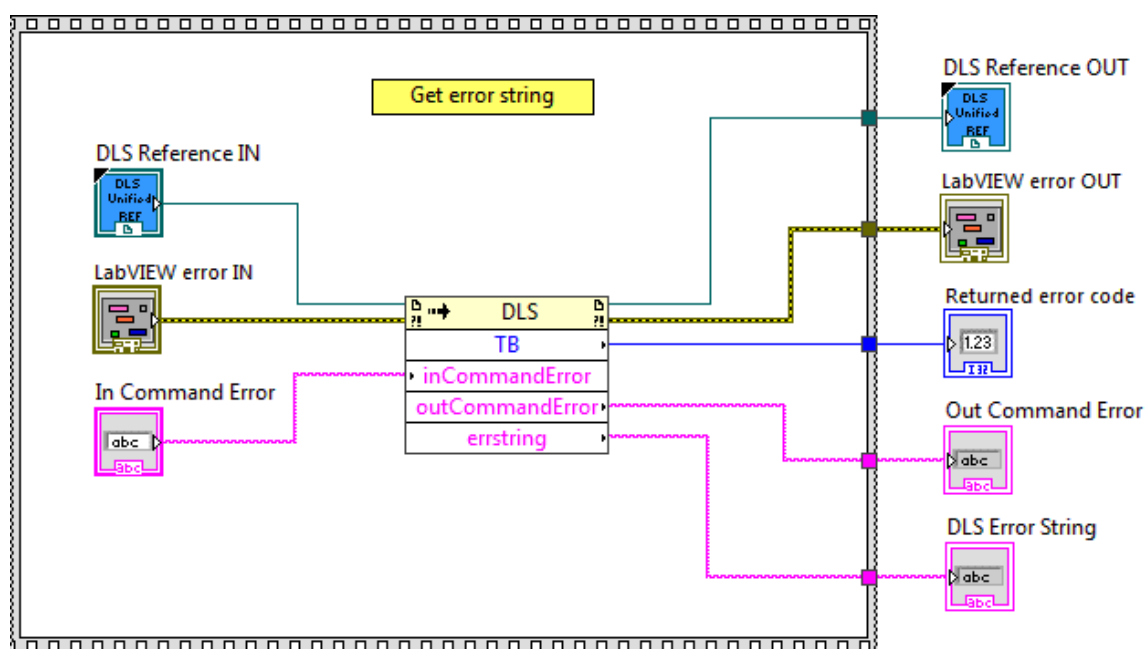
This function is used to get last command error.

## Connector Pane

**LWDLS\_TB.vi**



## Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**In Command Error** The error code returned by the TE command



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard

error out functionality.



**Returned Error Code** Returns function error code



**Out Command Error** The error code returned by the TE command



**DLS Error String** return error string from VI

## 2.199 TE

### Name

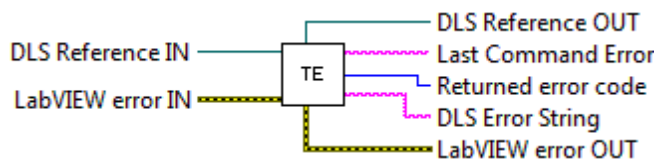
**TE** – Get last command error.

### Description

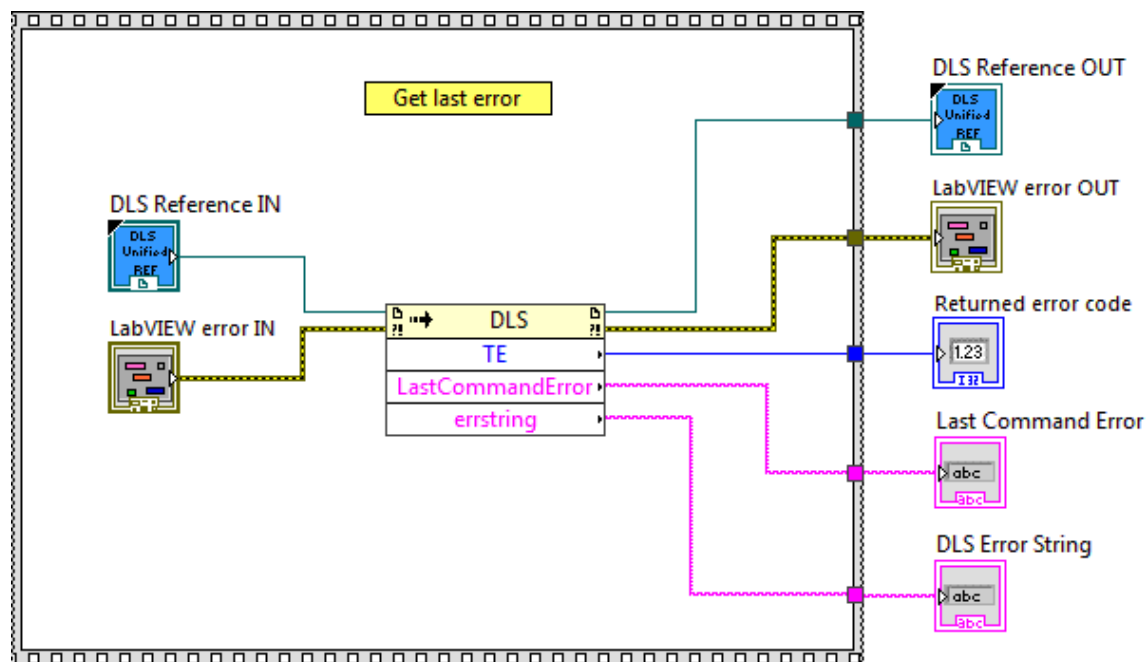
This function is used to get last command error.

### Connector Pane








LWDLS\_TE.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Last Command Error** Last command error
-  **DLS Error String** return error string from VI

## 2.200 TH

### Name

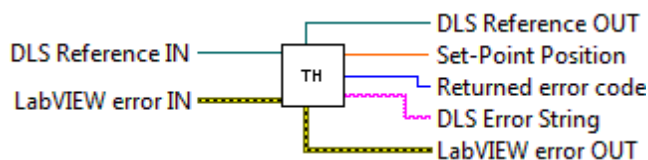
**TH** – Get set-point position.

### Description

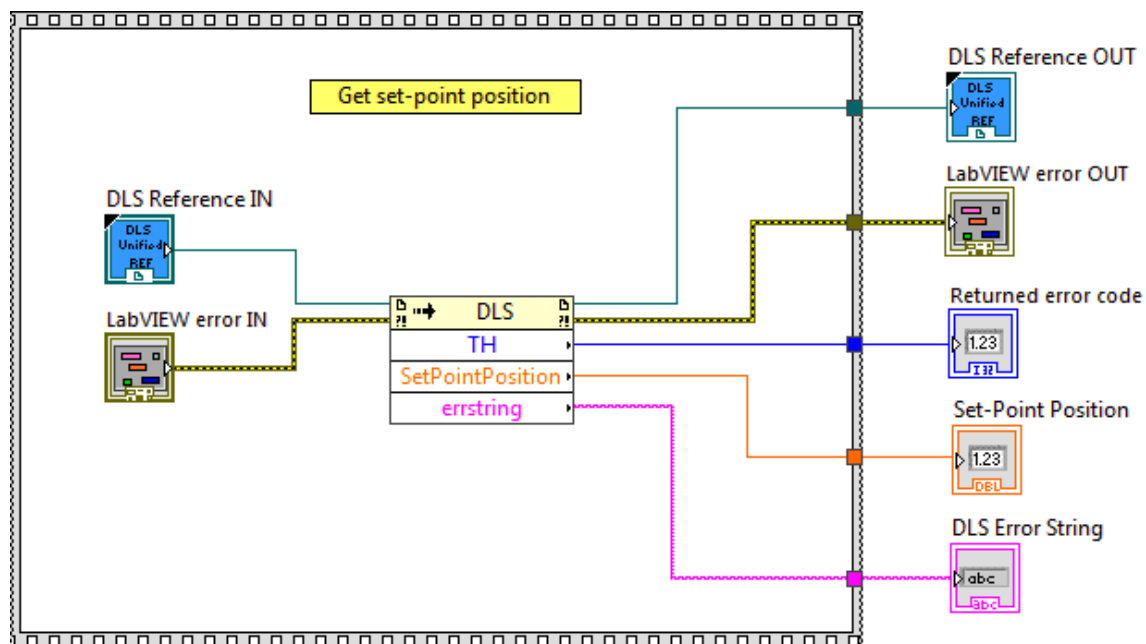
This function is used to get set-point position.

### Connector Pane

#### LWDLS\_TH.vi



### Screenshot



### Controls and Indicators








**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.

-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Set Point Position** Set point position
-  **DLS Error String** return error string from VI

## 2.201 TP

### Name

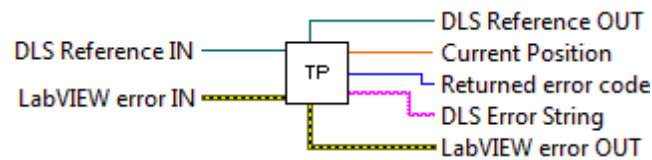
**TP** – Get current position.

### Description

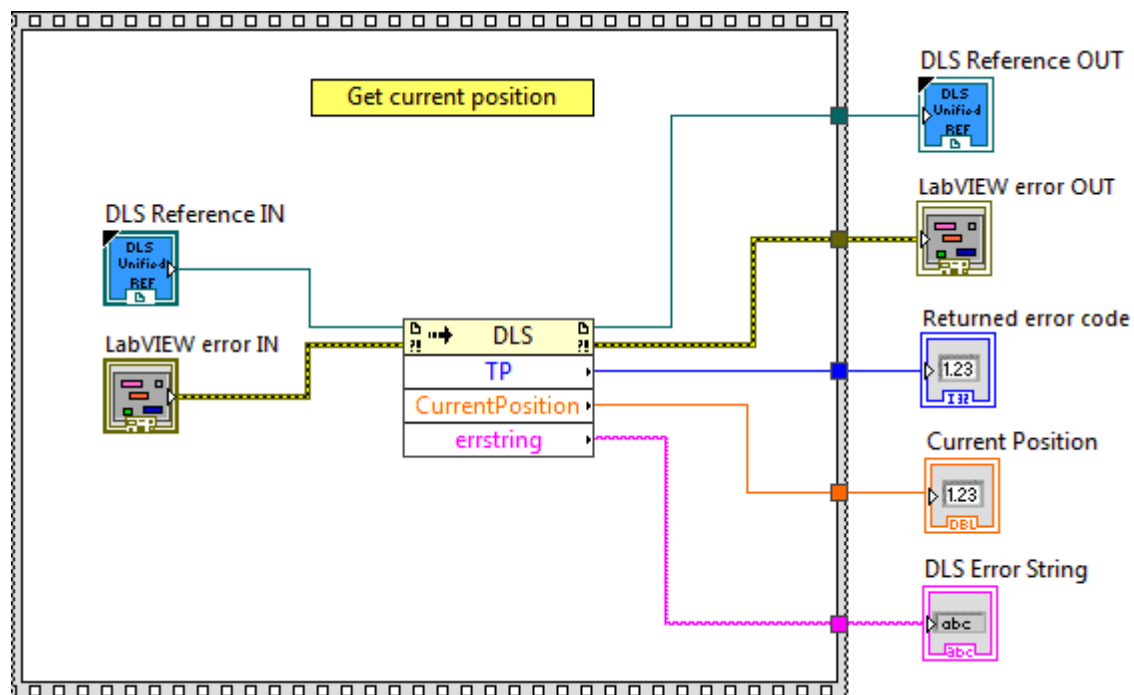
This function is used to get current position.

### Connector Pane








#### LWDLS\_TP.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs.  
This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Current Position** Current position
-  **DLS Error String** return error string from VI

## 2.202 TS

### Name



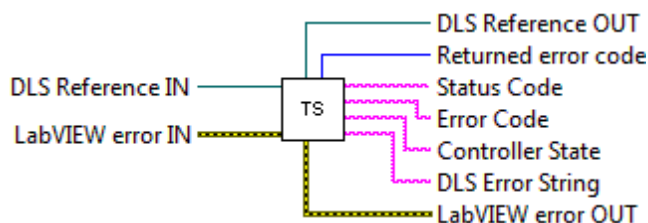
TS – Get positioner error and controller state.

### Description

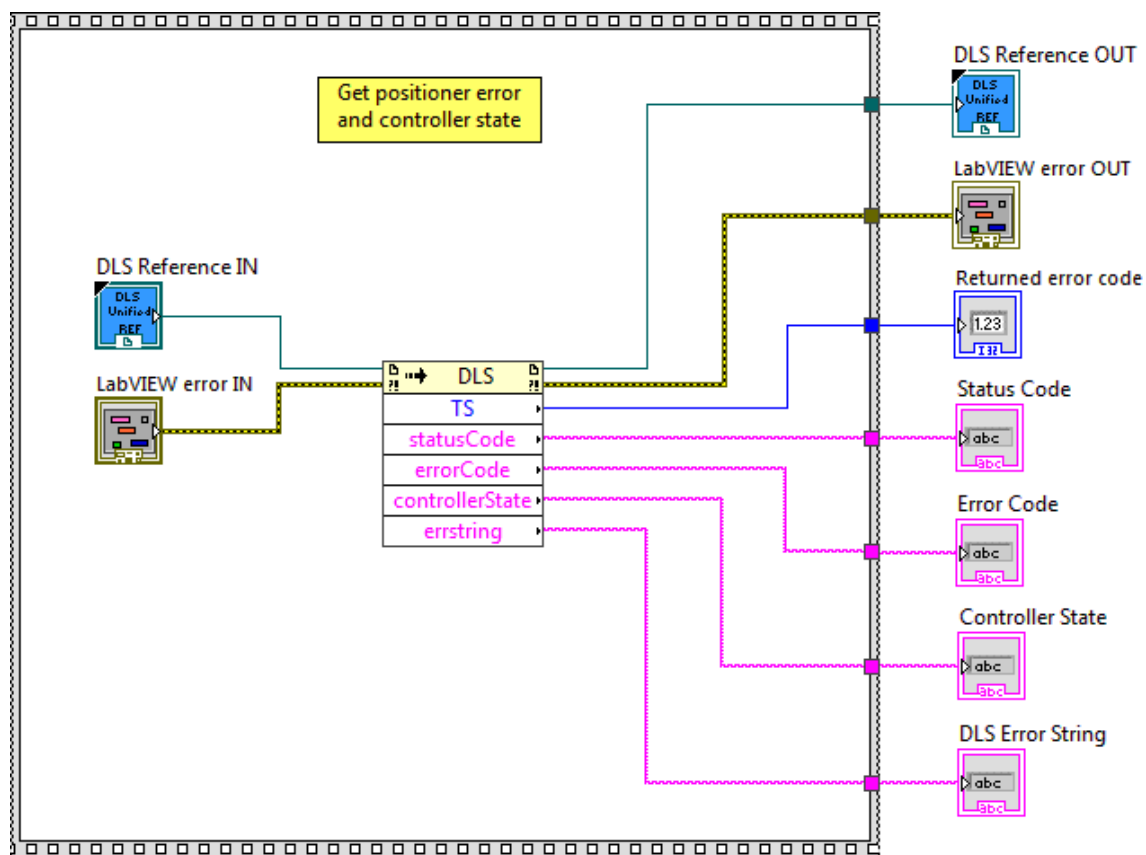
This function is used to get positioner error and controller state.

### Connector Pane

#### LWDLS\_TS.vi



### Screenshot



## Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Status Code** Status code



**Error Code** Error code



**Controller State** Controller state



**DLS Error String** return error string from VI

## 2.203 VA\_Get

### Name

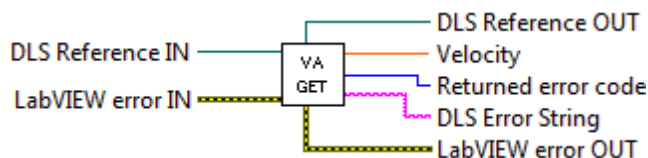
**VA\_Get** – Get velocity.

### Description

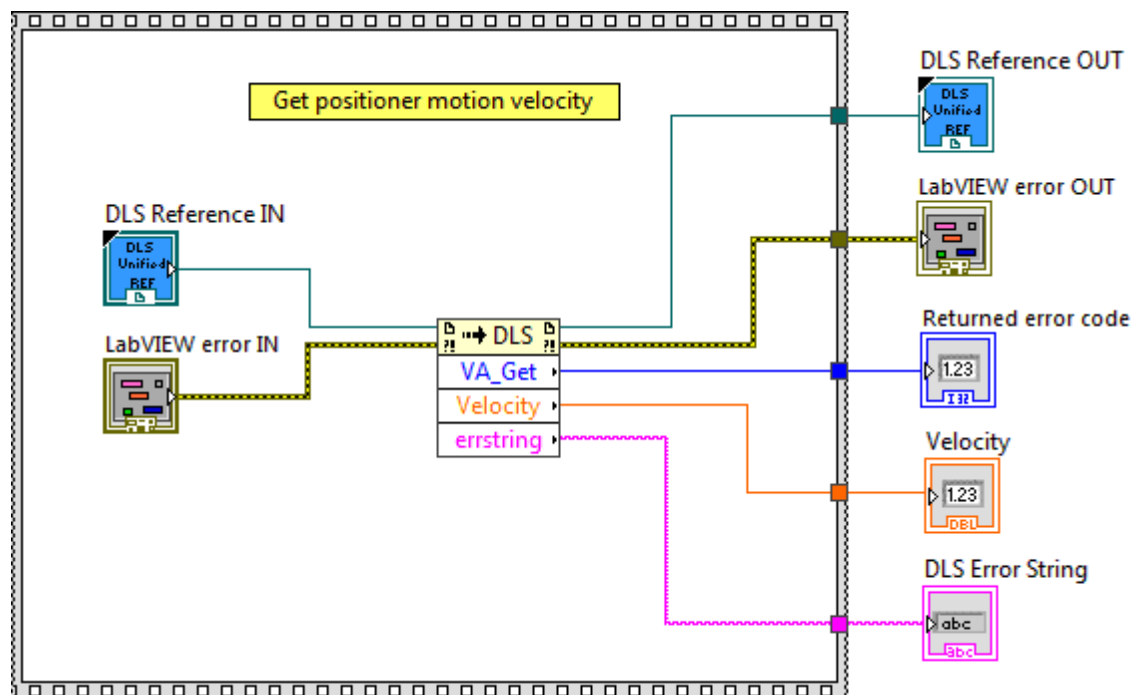
This function is used to get velocity.

### Connector Pane








**LWDLS\_VA\_Get.vi**



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Velocity** Velocity
-  **DLS Error String** return error string from VI

## 2.204 VA\_Set

### Name

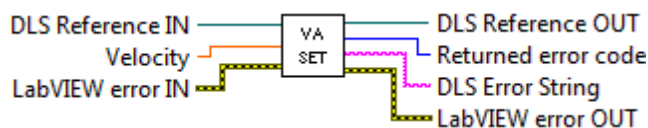
VA\_Set – Get velocity.

### Description

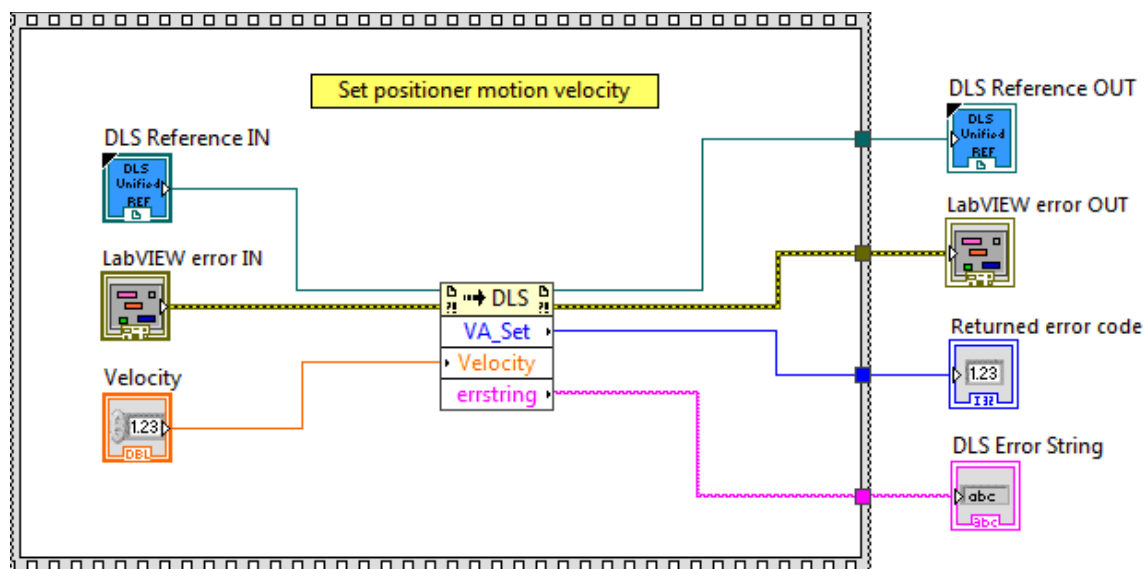
This function is used to set velocity.

### Connector Pane

**LWDLS\_VA\_Set.vi**



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference






**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**Velocity** Velocity



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI

## 2.205 VAM

### Name

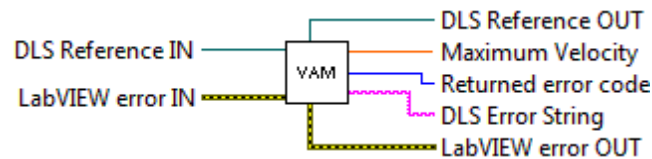
**VAM** – Get maximum velocity.

### Description

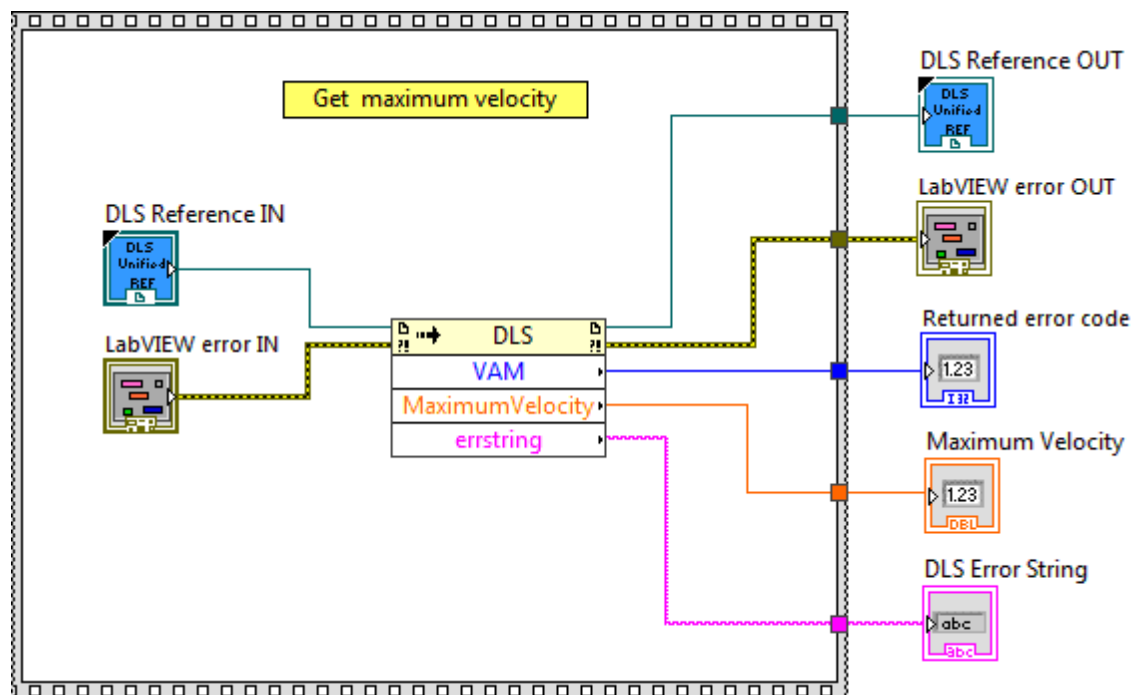
This function is used to get maximum velocity.

### Connector Pane








LWDLS\_VAM.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Maximum Velocity** Maximum velocity
-  **DLS Error String** return error string from VI

## 2.206 VE

### Name

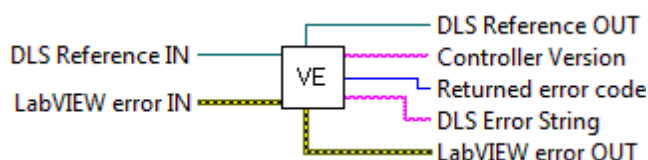
VE – Get controller revision information.

### Description

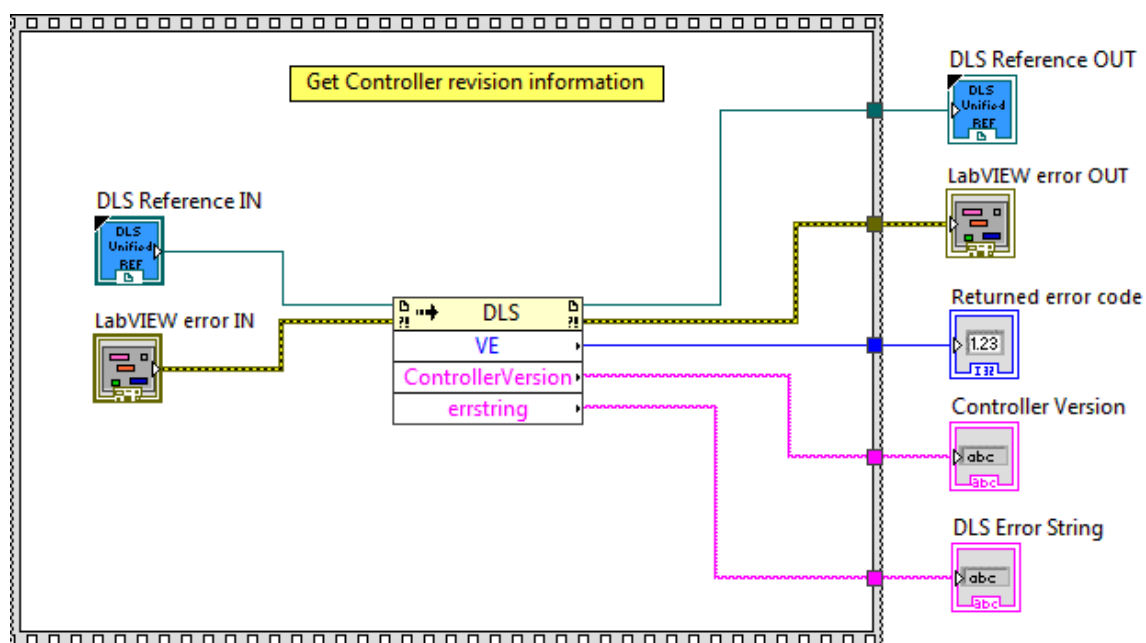
This function is used to get controller revision information.

### Connector Pane

#### LWDLS\_VE.vi



### Screenshot



### Controls and Indicators







**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference

-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Controller Version** Controller version
-  **DLS Error String** return error string from VI

## 2.207 ZT

### Name

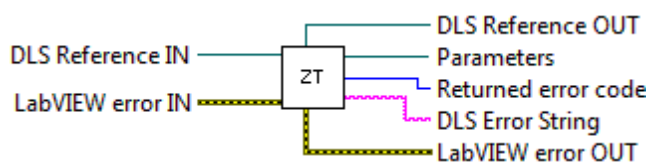
**ZT** – Get all axis parameters.

### Description

This function is used to get all axis parameters.

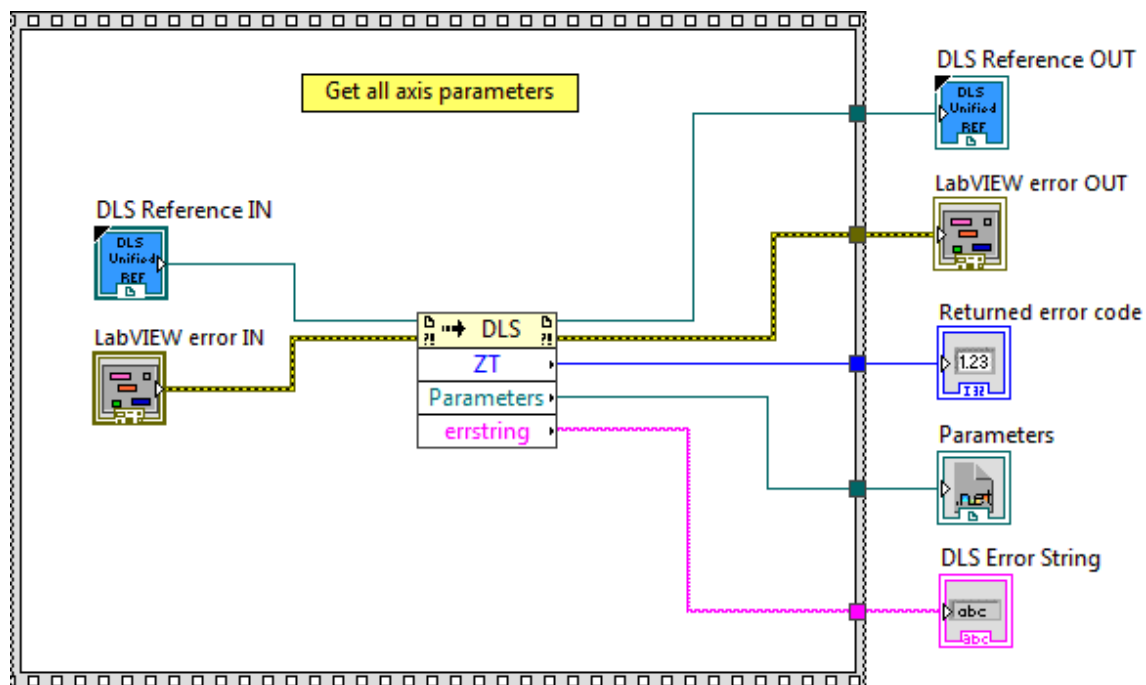
### Connector Pane

LWDLS\_ZT.vi










### Screenshot





### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **Parameters** Parameters
-  **DLS Error String** return error string from VI

## 2.208 ZX\_Get

### Name

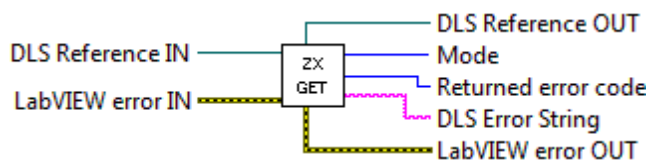
**ZX\_Get** – Get ESP stage configuration.

### Description

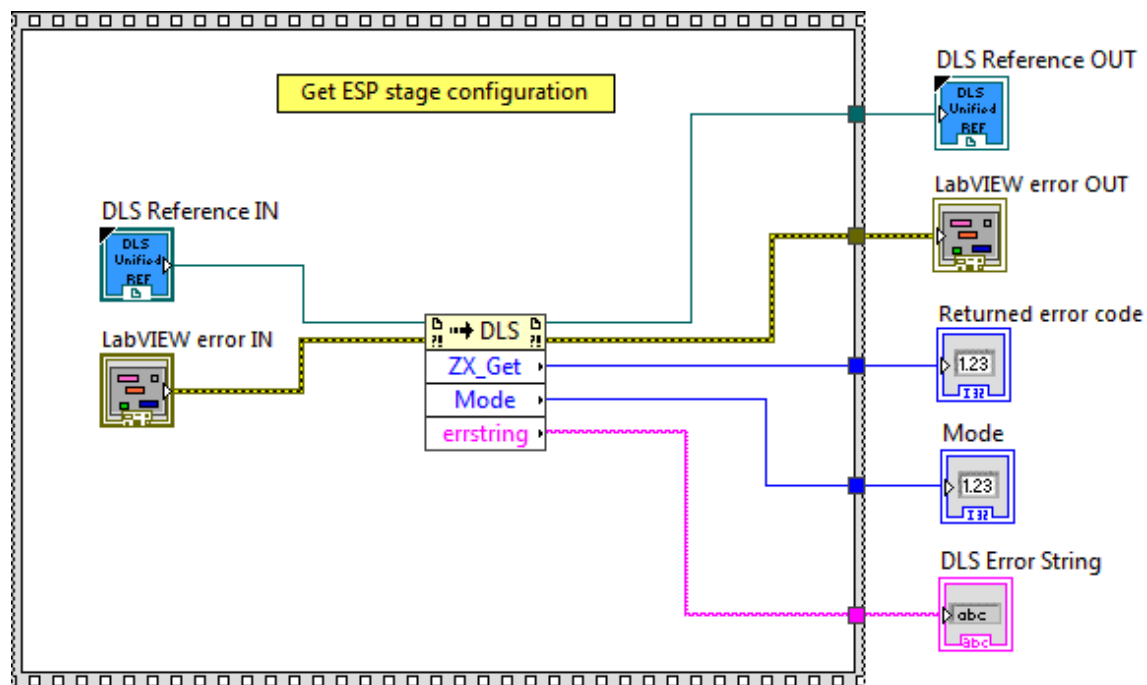
This function is used to get ESP stage configuration.

### Connector Pane

**LWDLS\_ZX\_Get.vi**



### Screenshot



### Controls and Indicators



**DLS Reference IN** is the DLS Reference



**LabVIEW error IN** describes error conditions that occur before this node runs.

This input provides standard error in functionality.



**DLS Reference OUT** returns DLS Reference



**LabVIEW error OUT** contains error information. This output provides standard error out functionality.



**Returned Error Code** Returns function error code



**Mode** Mode



**DLS Error String** return error string from VI

## 2.209 ZX\_Set

### Name

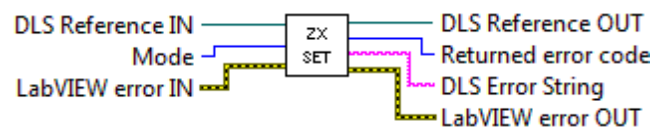
**ZX\_Set** – Set ESP stage configuration.

### Description

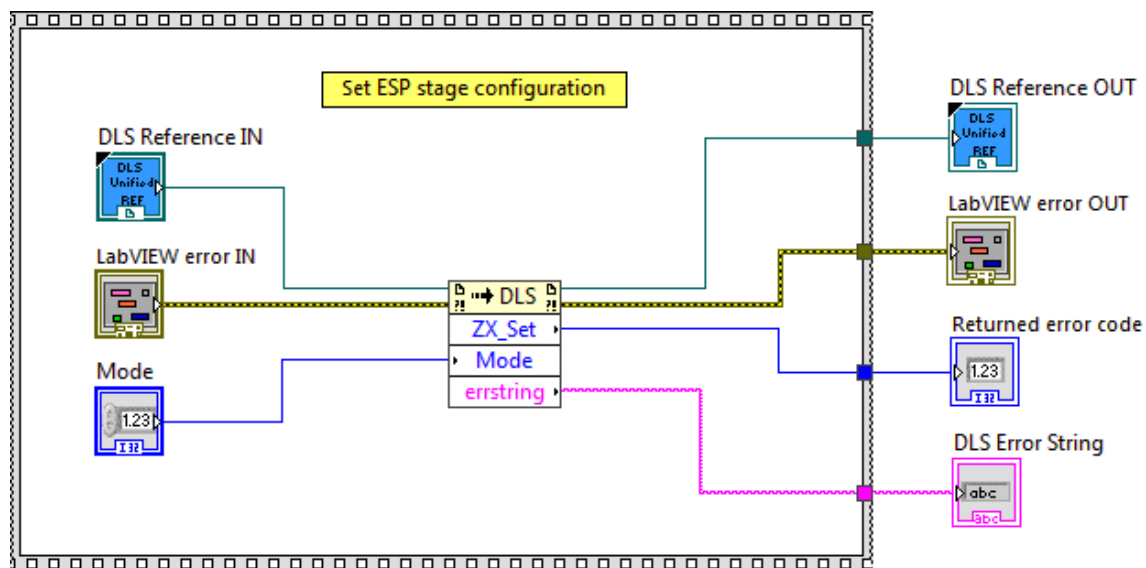
This function is used to set ESP stage configuration.

### Connector Pane








#### LWDLS\_ZX\_Set.vi



### Screenshot



### Controls and Indicators

-  **DLS Reference IN** is the DLS Reference
-  **LabVIEW error IN** describes error conditions that occur before this node runs. This input provides standard error in functionality.
-  **Mode** Mode
-  **DLS Reference OUT** returns DLS Reference
-  **LabVIEW error OUT** contains error information. This output provides standard error out functionality.
-  **Returned Error Code** Returns function error code
-  **DLS Error String** return error string from VI