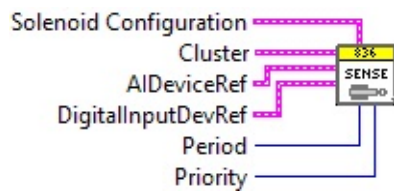


Pneumatic_Sensor_Loop.vi

Help by FRC Team 836 - The RoboBees

This VI configures the sensors for the pneumatics.



Priority: 100

Period: 20

Solenoid Configuration

Normal Timing

- Forward: 0
- Reverse: 0

Feedback Forward: Timed

Feedback Reverse: Timed

Analog Thresholds

- Forward: 0
- Reverse: 0

Timeout

- Forward: 0
- Reverse: 0

Cluster

Status Queue

Status Loop Value: Off

AIDeviceRef

DevStatus

- status:
- code: 0
- source: [Empty]

Analog Channel: AI 0

DigitalInputDevRef

DevStatus

- status:
- code: 0
- source: [Empty]

DIO Channel: DIO 0

 Cluster

 **Status Queue**

 **Status Loop**

 **Value**

Solenoid Configuration

 **Normal Timing**

 **Forward**

 **Reverse**

 **Feedback Forward**

 **Feedback Reverse**

 **Analog Thresholds**

 **Forward**

 **Reverse**

 **Timeout**

 **Forward**

 **Reverse**

 **AIDeviceRef**

 **DevStatus**

status

status is TRUE (X) if an error occurred or FALSE (checkmark) to indicate a warning or that no error occurred.



Right-click the **error in** control on the front panel and select **Explain Error** or **Explain Warning** from the shortcut menu for more information about the error.

code

code is the error or warning code.



Right-click the **error in** control on the front panel and select **Explain Error** or **Explain Warning** from the shortcut menu for more information about the error.

source

source describes the origin of the error or warning.



Right-click the **error in** control on the front panel and select **Explain Error** or **Explain Warning** from the shortcut menu for more information about the error.

 **Analog Channel**

 **DigitalInputDevRef**

DevStatus

error in can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



Right-click the **error in** control on the front panel and select **Explain Error** or **Explain Warning** from the shortcut menu for more information about the error.

status

status is TRUE (X) if an error occurred or FALSE (checkmark) to indicate a warning or that no error occurred.



Right-click the **error in** control on the front panel and select **Explain Error** or **Explain Warning** from the shortcut menu for more information about the error.

code

code is the error or warning code.



Right-click the **error in** control on the front panel and select **Explain Error** or **Explain Warning** from the shortcut menu for more information about the error.

source

source describes the origin of the error or warning.



Right-click the **error in** control on the front panel and select **Explain Error** or **Explain Warning** from the shortcut menu for more information about the error.

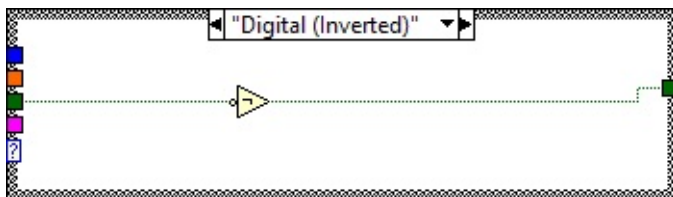
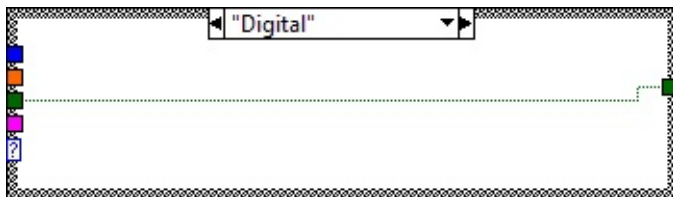
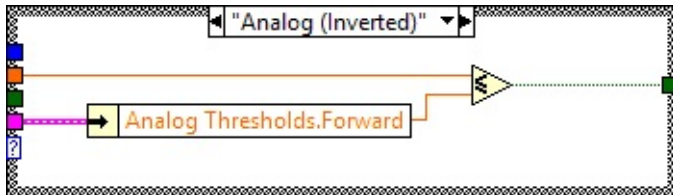
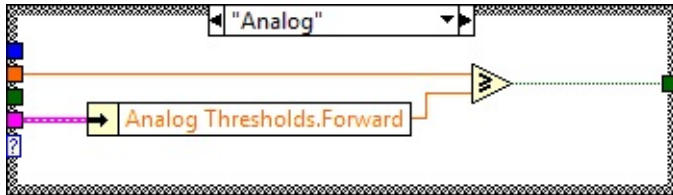
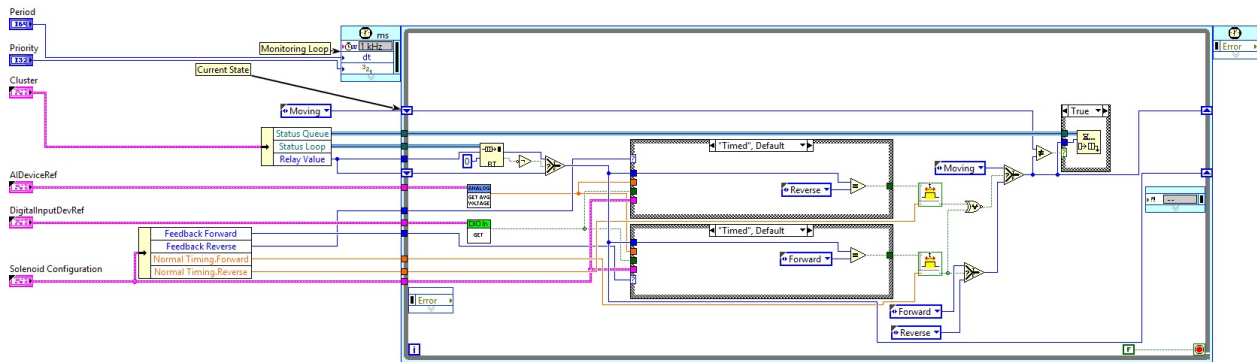


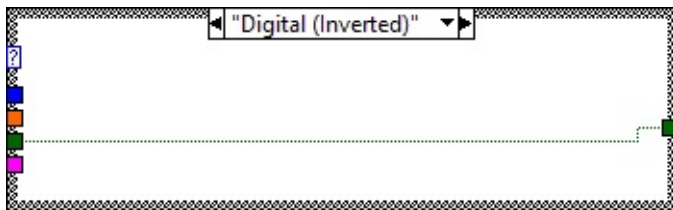
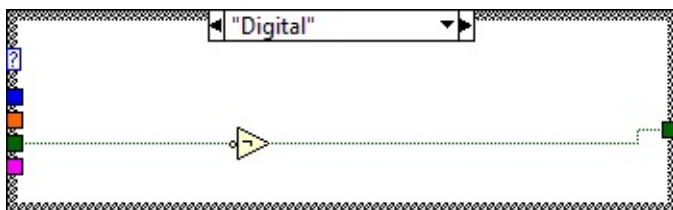
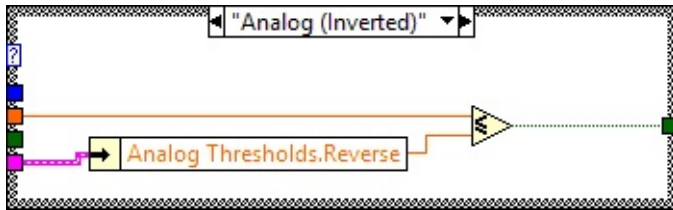
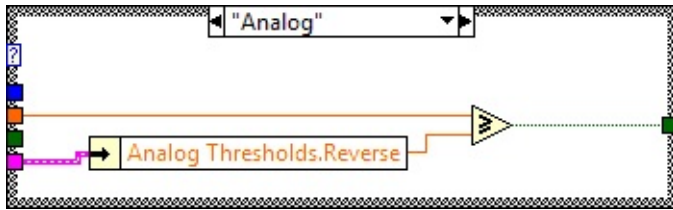
DIO Channel

132 Priority

164 Period

Help by FRC Team 836 - The RoboBees
This VI configures the sensors for the pneumatics.





FPGA_AIChannel.ctf



C:\Program Files (x86)\National Instruments\LabVIEW 2015\vi.lib\Rock Robotics\SystemInterfaces\AI\FPGA_AIChannel.ctf

WPI_AnalogChannelDevRef.ctf



C:\Program Files (x86)\National Instruments\LabVIEW 2015\vi.lib\Rock Robotics\WPI\AnalogChannel\WPI_AnalogChannelDevRef.ctf

WPI_AnalogChannelGetAverageVoltage.vi



C:\Program Files (x86)\National Instruments\LabVIEW 2015\vi.lib\Rock Robotics\WPI\AnalogChannel\WPI_AnalogChannelGetAverageVoltage.vi

FPGA_DIOChannel.ctl



C:\Program Files (x86)\National Instruments\LabVIEW 2015\vi.lib\Rock Robotics\SystemInterfaces\DIO\FPGA_DIOChannel.ctl

WPI_DigitalInputGetValue.vi



C:\Program Files (x86)\National Instruments\LabVIEW 2015\vi.lib\Rock Robotics\WPI\DigitalInput\WPI_DigitalInputGetValue.vi

WPI_DigitalInputDevRef.ctl



C:\Program Files (x86)\National Instruments\LabVIEW 2015\vi.lib\Rock Robotics\WPI\DigitalInput\WPI_DigitalInputDevRef.ctl

Stable.vi



C:\Program Files (x86)\National Instruments\LabVIEW 2015\user.lib\836-Library\Logic\Stable.vi

Solenoid_Configure.ctl



C:\Program Files (x86)\National Instruments\LabVIEW 2015\user.lib\836-Library\Pneumatics\Support_Code\Solenoid_Configure.ctl

Feedback_Method.ctl



C:\Program Files (x86)\National Instruments\LabVIEW 2015\user.lib\836-Library\Pneumatics\Support_Code\Feedback_Method.ctl

Pneumatics_Configuration.ctl



C:\Program Files (x86)\National Instruments\LabVIEW 2015\user.lib\836-Library\Pneumatics\Support_Code\Pneumatics_Configuration.ctl

WPI_SolenoidValue.ctl



C:\Program Files (x86)\National Instruments\LabVIEW 2015\vi.lib\Rock Robotics\WPI\Solenoid\WPI_SolenoidValue.ctl

Pneumatic_Sensor_Loop.ctl



C:\Program Files (x86)\National Instruments\LabVIEW 2015\user.lib\836-Library\Pneumatics\Support_Code\Pneumatic_Sensor_Loop.ctl

Pneumatics_Status.ctl



C:\Program Files (x86)\National Instruments\LabVIEW 2015\user.lib\836-Library\Pneumatics\Support_Code\Pneumatics_Status.ctl

"Pneumatic_Sensor_Loop.vi History"

Current Revision: 7

Position in Hierarchy

