

Mini Joystick Sensor



The Mini Joy Stick Sensor, is a Two-axis joystick with a momentary switch. It comes with 2 60cm cables.

Designed For Use With:

- PhidgetInterfaceKit 8/8/8
- PhidgetTextLCD with InterfaceKit 8/8/8

Examples:

You will find program examples in the download section of www.phidgets.com

What can the Mini Joystick Sensor do?

This miniature joystick has two axes and a pushbutton. When you move the Joystick from its center position the value will increase or decrease depending on the direction. Pressing down on the Joystick pin will make a momentary contact that can be connected to a digital input on the PhidgetInterfaceKit through the terminal blocks.

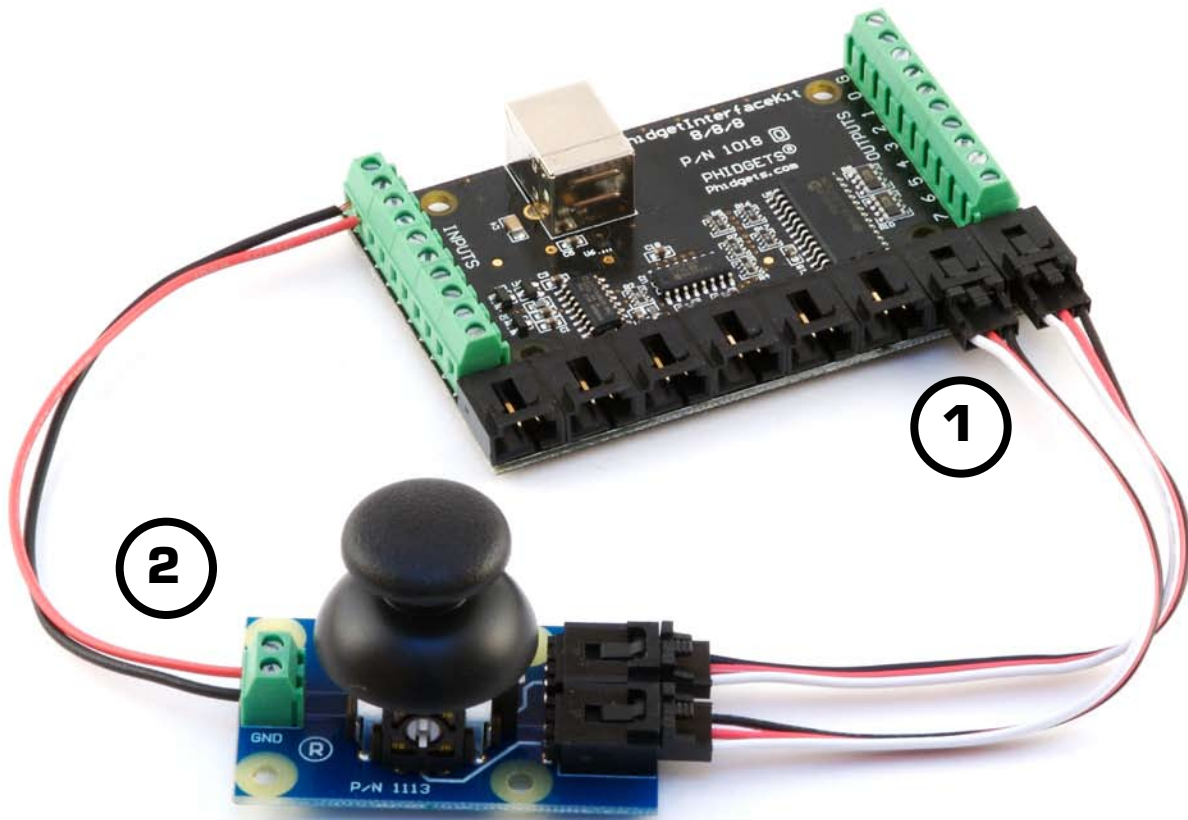
Getting Started

Installing the Hardware

The Kit contains:

- A Mini Joystick
 - A Sensor Cable
- You will also need:
 - A PhidgetInterfaceKit 8/8/8 or a PhidgetTextLCD
 - A USB Cable
 - Some wires

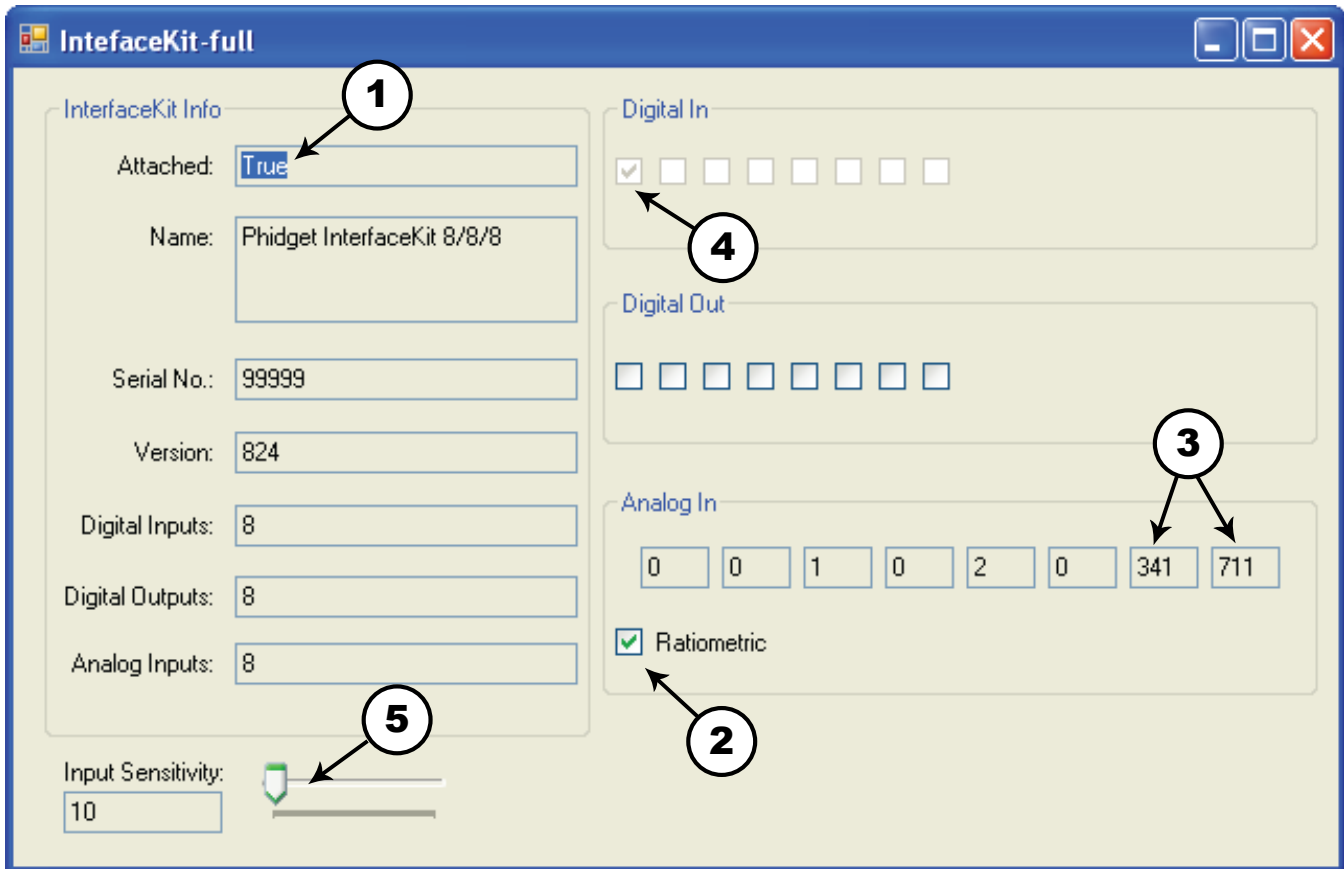
Connecting all the pieces



1. Connect the Mini Joystick to an Analog Input on the PhidgetInterfaceKit 8/8/8 board using the sensor cables.
2. Connect the terminal block on the Mini Joystick with a digital input on the PhidgetInterfaceKit.

Testing the Mini Joystick using Windows

Run the Program InterfaceKit - Full



1. Check that the box labelled Attached contains the word True.
2. Make sure that the Ratiometric box is Ticked.
3. As you move the joystick the sensor values will increase or decrease depending on the direction of your movement.
4. When you press down on top of the joystick, a tick mark appears in the Digital In box. The tick mark disappears as you stop pushing down.
5. You can adjust the input sensitivity by moving the slider pointer.

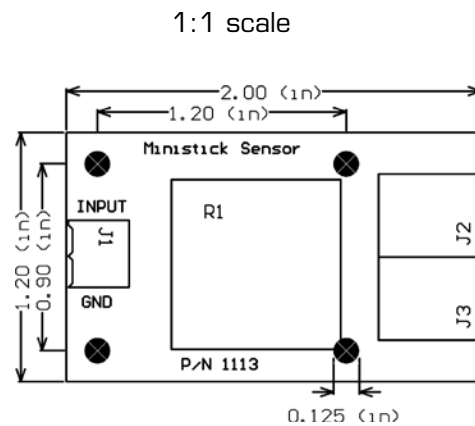
Technical Information

This miniature joystick has two axes and a pushbutton. Each axis, up/down and left/right, has a potentiometer with a center value of approximately 500. When you move the Joystick from its center position the value will increase or decrease depending on the direction. Pressing down on the Joystick pin will make a momentary contact that can be connected to a digital input on the PhidgetInterfaceKit through the terminal blocks.

Device Specifications

Current Consumption	1mA
Output Impedance	10K ohms

Mechanical Drawing



Product History

Date	Product Revision	Comment
September 2003	n/a	Product Release
August 2004	n/a	Analog input connector changed from stereo jack to 3-pin Molex

