Rotation Sensor

This sensor rotates 300 degrees.

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

Getting Started

Installing the hardware

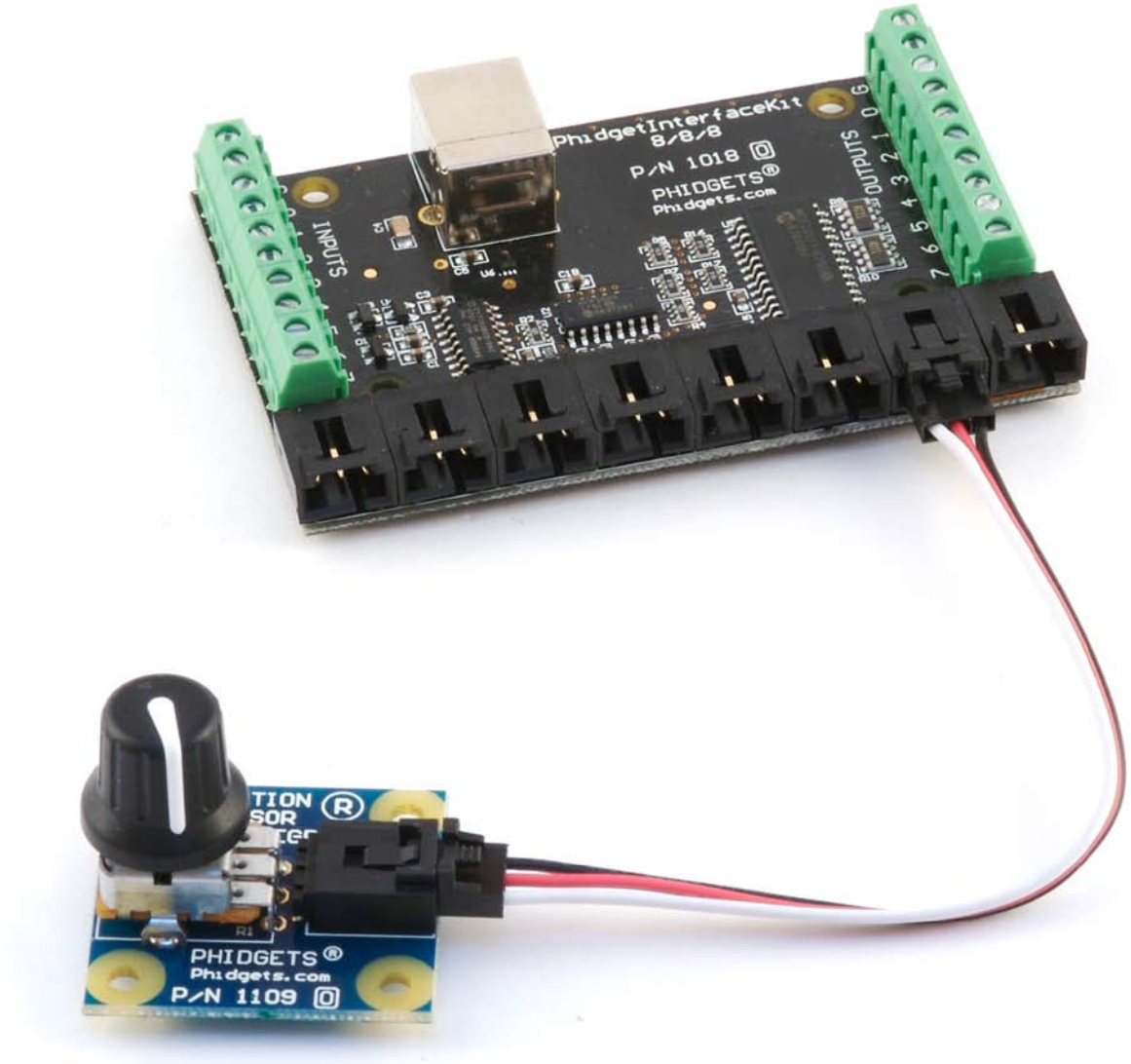
The Kit contains:

- A Rotation Sensor
- A Sensor Cable

You will also need:

- A PhidgetInterfaceKit 8/8/8 or a PhidgetTextLCD
- A USB Cable

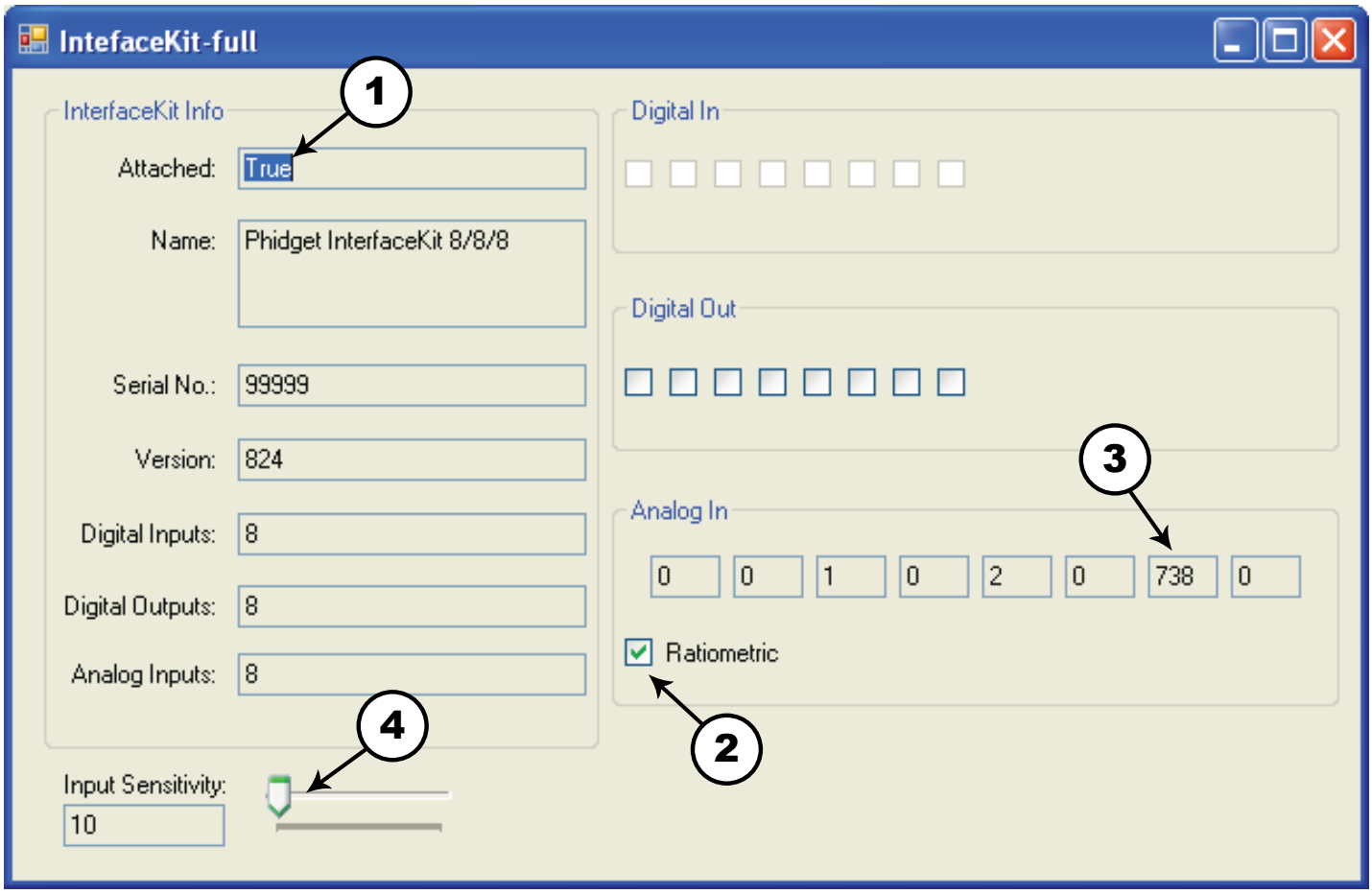
Connecting all the pieces



Connect the Rotation Sensor to an Analog Input on the PhidgetInterfaceKit 8/8/8 board using the sensor cable.

Testing the Rotation Sensor using Windows

Run the Program InterfaceKit-full.



1. Run the program ***InterfaceKit-full*** and check that the box labelled Attached contains the word True.
2. Make sure that the Ratiometric box is Ticked.
3. Turn the knob on the sensor. At fully clockwise it will read zero and at fully counter clockwise it will read 1000.
4. You can adjust the input sensitivity by moving the slider pointer.

Technical Information

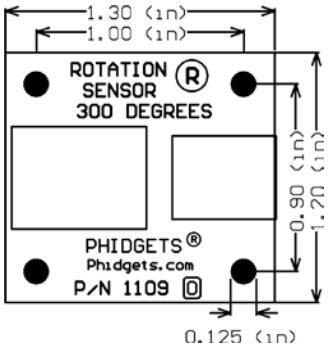
At fully clockwise the sensor reads zero, and at fully counter clockwise the sensor reads 1000. The maximum resistance of the potentiometer is 10 k ohm.

Device Specifications

Current Consumption	500uA
Output Impedance	10K ohms

Mechanical Drawing

1:1 scale



Product History

Date	Product Revision	Comment
June 2002	n/a	Product Release
August 2004	n/a	Analog input connector changed from stereo jack to 3-pin Molex