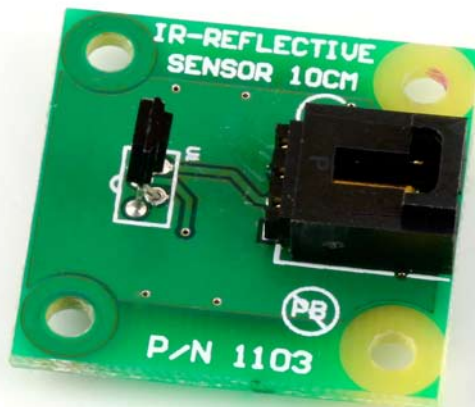


IR Reflective Sensor 10cm



This sensor can detect the presence of a highly reflective object at 10cm, for less reflective objects (like hands) the distance is about 5cm.

The IR Reflective Sensor 10cm is designed to plug into an Analog Input of the PhidgetInterfaceKit 8/8/8 or the PhidgetTextLCD.

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

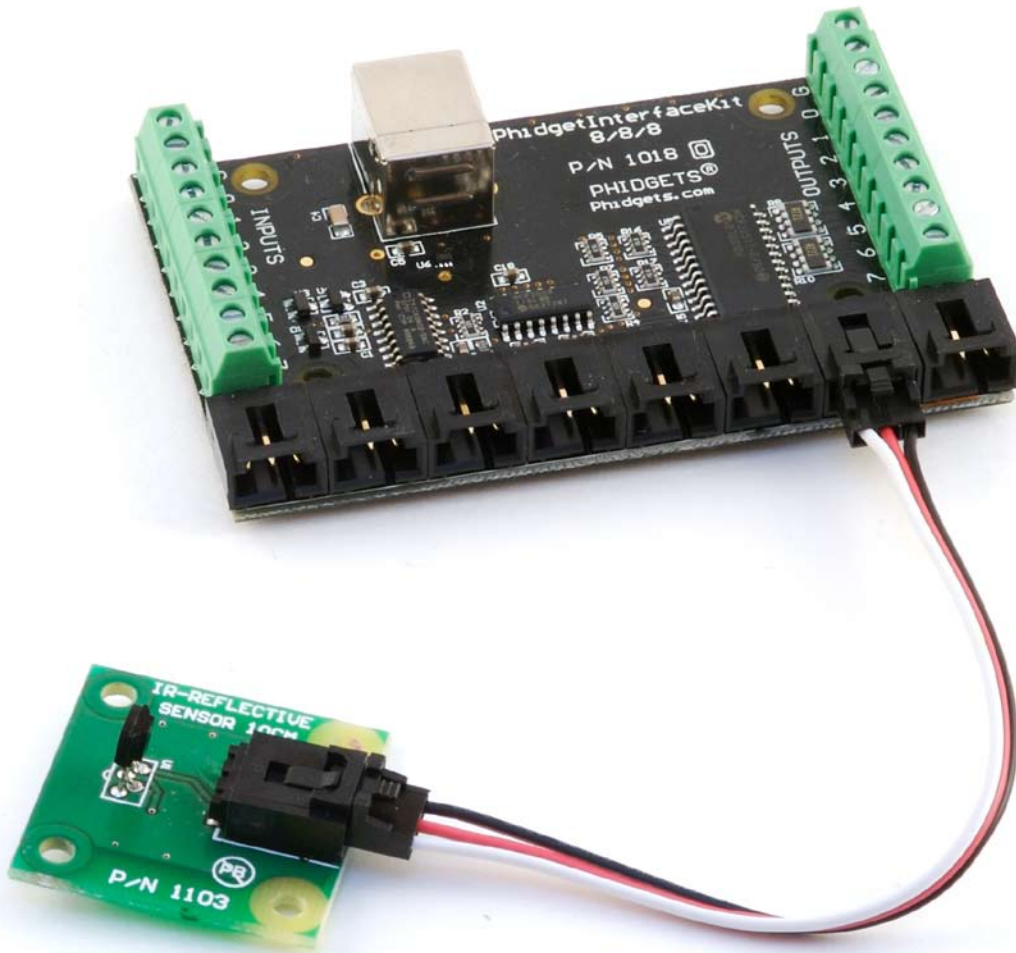
The kit contains:

- An IR-Reflective Sensor 10cm
- A Sensor Cable

You will also need:

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

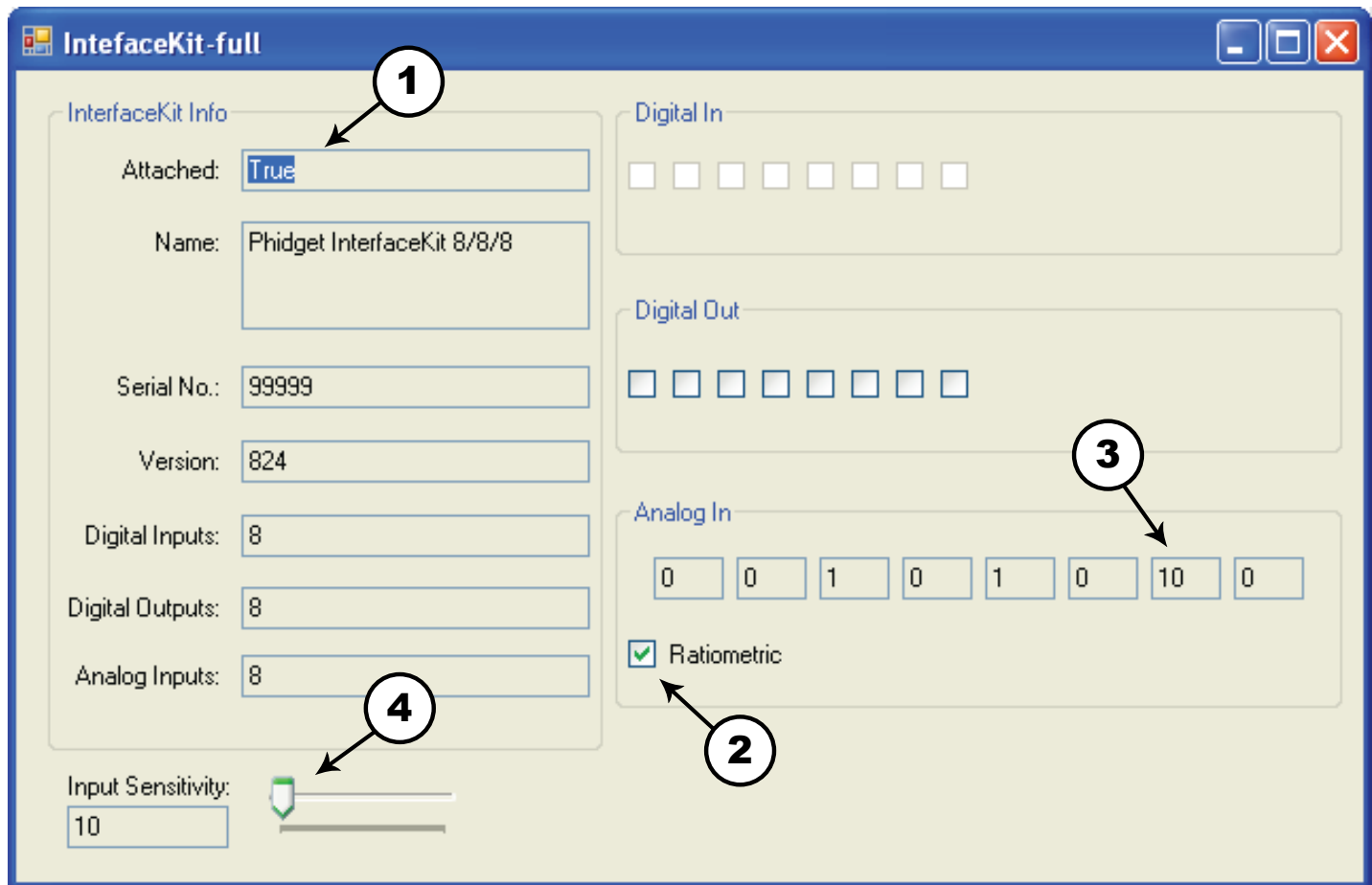
Connecting all the pieces



Connect the IR Reflective Sensor 10cm to an Analog Input on the PhidgetInterfaceKit 8/8/8 board using the sensor cable.

Testing the IR Reflective Sensor 10cm 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. Move an object in front of the sensor. As the object gets 10cm away from the sensor the Analog in value will be less than 100.
4. You can adjust the input sensitivity by moving the slider pointer.

Technical Information

This sensor can detect the presence of a highly reflective object at 10cm, for less reflective objects (like hands) the distance is about 5cm.

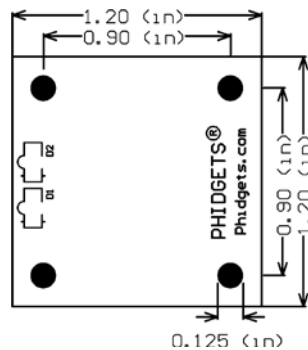
The sensor will not detect objects that are more than 5 to 10 cm away depending on the type of objects, but will detect objects that are closer than 5 to 10 cm.

Device Specifications

Current Consumption	13mA
Output Impedance	1K ohms

Mechanical Drawing

1:1 scale



Product History

Date	Product Revision	Comment
March 2006	n/a	Product Release