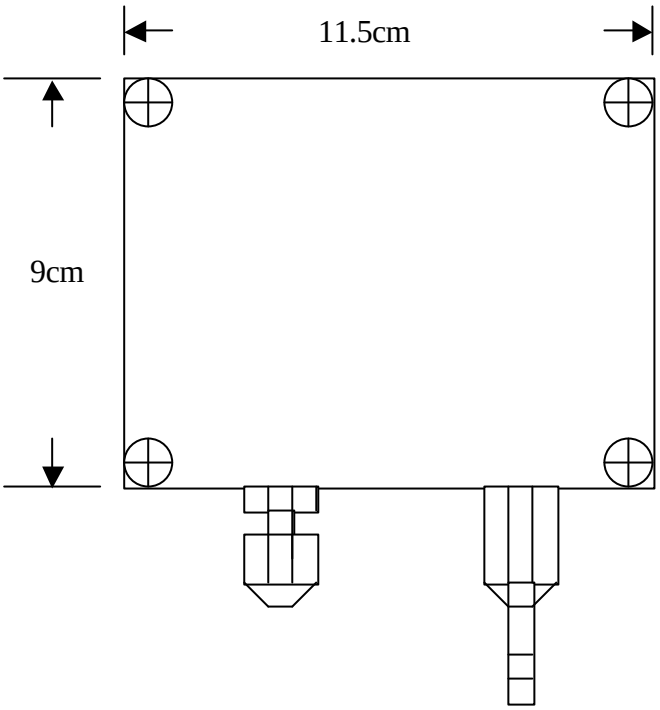
MODEL BP0611A BAROMETRIC PRESSURE SENSOR

The Model BP0611A Barometric Pressure Sensor is a low cost, analog output barometer, this Barometric Pressure Sensor converts absolute atmospheric pressure into a linear and proportional voltage signal output which offers excellent performance for meteorological & hydrological researches and studies.

The Model BP0611A is a barometer fully temperature compensated for superior performance over a wide range of temperature ranges. This Barometric Pressure Sensor is fully calibrated at sea level and inherently stable, housed in an enclosure to meet IP65 of IEC529 and NEMA4 standard, is suitable for harsh and severe environments.

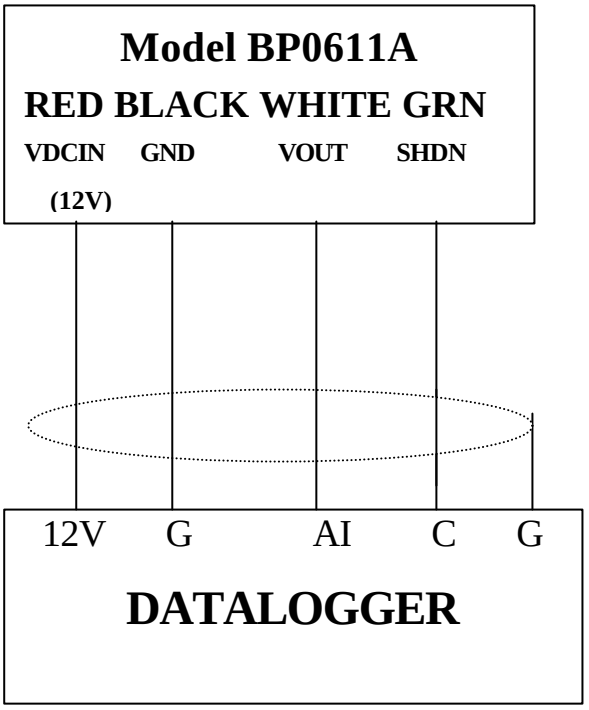
SPECIFICATIONS:

Measuring Range	: 630 - 1130 mBar or hPa (18.6 - 33.4 in. Hg)
Resolution	: Infinite
Temp. Operating Range	: -40º C to +85º C
Temp. Compensated Range	: 0º C to +70º C
Accuracy	: ± 0.125% FS
Power Requirement	: 10 - 24 VDC
Current Consumption	: Active 5mA @12VDC, Static 1.1mA @12VDC
Signal Output	: 0 - 2 VDC
Response Time	: @ 10mS
Weight	: @ 260g (Mounting accessories excluded)
Dimension	: 11.5cm * 9cm * 5.5cm (Mounting accessories excluded)


11.5cm
9cm


ARDMETER

WIRING CONNECTION:



AI => Analog Input
C => Control output port

The power to BP0611A can be controlled by activating SHDN pin High (High: 0VDC, or not connected) to enable BP0611A to work, or de-activating SHDN pin Low (Low: 2 - 12VDC) to disable the power.

BP0611A works when SHDN is 0VDC (or not connected).
BP0611A doesn' t work when SHDN is within 2 - 12VDC.
SHDN at 0VDC (or not connected) <==> Enabled.
SHDN at 2 - 12VDC <==> Disabled.