

STP 200 Static Pressure Sensor



Sensor Specifications

Input voltage 12-28 VDC

Output voltage 0-10 VDC

Operating range: 0-1 mbar / 100Pascal / 10.19 mmwc

Installation

Open 4 front panel screws and remove front panel (Figure 1)

Connect bottom box to wall. The box must be level.

Run the 3-wire cable coming from the controller through PG9. Connect wires (Figure 2).

Check jumper setup (Figure 3).

Calibrate sensor if needed, Figure 4

Place **OUT** pipe outside of house. Do not place the OUT pipe where it is effected by the inside pressure or in a windy place.

Place **IN** pipe inside the house.

If needed use the pipe extension plugs to lengthen the pipes (Figure 5).

Insert dirt protection filter into ends of pipe (Figure 6).

Figure 1

Open 4 front panel screws



Wiring

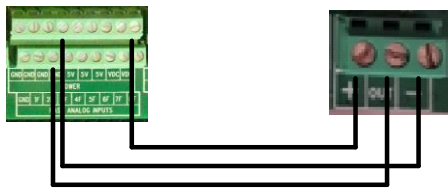
Figure 2

Connect 3-wire cable coming from controller.



Imagell

STP200



Imagell	TempTron 616	TempTron 607/610	STP 200
VDC	V+	12V	+
GND	GND	GND	-
Fast Analog input 2F	Analog input 8	Analog input 6	Out

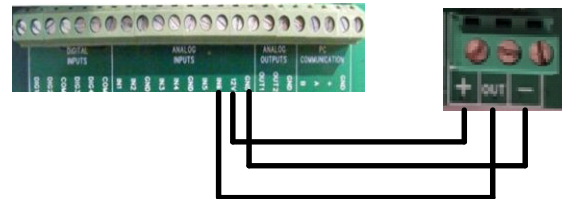
TempTron 616

STP200



TempTron 607/610

STP200



Pressure Format Setup

Figure 3



There are 4 jumpers;

Jumper D: Short out jumper D to turn on display.

Jumper 1: To display static pressure in mmwc (mm water format), short out jumper 1.

Jumper 2: To display static pressure in Inch water format, short out jumper 2.

Jumper 3: To display static pressure in Pascal format, short out jumper 3.

In the above setup, jumper D and 1 are shorted. In this setup, the display will be on and the reading will be in mm water.

Sensor Calibration

The STP 200 sensor is factory calibrated. If you feel the need to recalibrate the sensor, follow these steps:

- Remove the front panel. On the back-side panel is the Zero calibration button.
- Be sure the sensor is level and the pressure is 0 in the house.
- Press and hold the Zero calibration button until “CAL” appears on the front display.
- Release the Zero calibration button.

The sensor is now calibrated and you can

Figure 4



Included with the STP200 sensor

- Two dirt filters – figure 6
- Two pipe extension plugs - figure 5

Figure 5 / Pipe extension adaptor



Figure 6 / Dirt protection filter

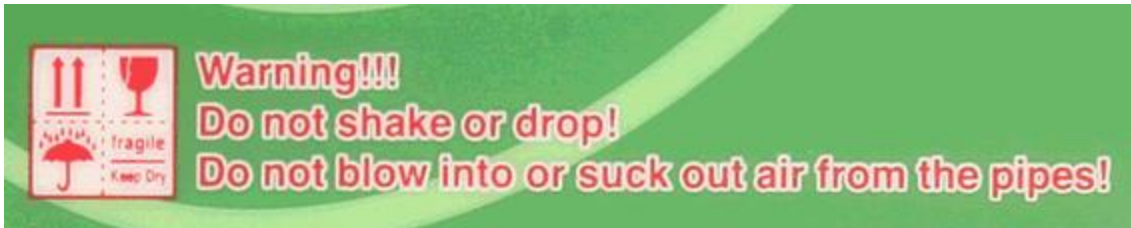


Pipe extension adaptor

Insert one end of the pipe extension adaptor into the pipe. Connect the other side of the adaptor to the extension pipe.

Dirt protection

Insert the dirt filter into the end of the pipe. Always keep this filter dry and free of dirt.



Warning!!!
Do not shake or drop!
Do not blow into or suck out air from the pipes!