

Modbus Pressure Sensor



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The range of air differential pressure transmitters are designed for ventilation, fan speed control, air pressure monitoring and control system applications.

The key features of this Pressure Sensor include:

- 24 V dc Supply
- - 250 to + 2500 Pa Range
- Operating Temperature (0°C to 50°C)
- Network Communicated Output (Modbus RTU RS485) with LED display
- Digital Self Damping
- Solid state temperature compression pressure cell with microprocessor providing superior linearity, measurement accuracy and sensitivity
- Supplied fully calibrated
- Zero pressure setting at the touch of a button
- The standard sensor housing is rated at IP30
- The Pressure Sensor is supplied with two duct pilot fittings
- The standard diameter of the tube is 8 mm via a supplied adaptor

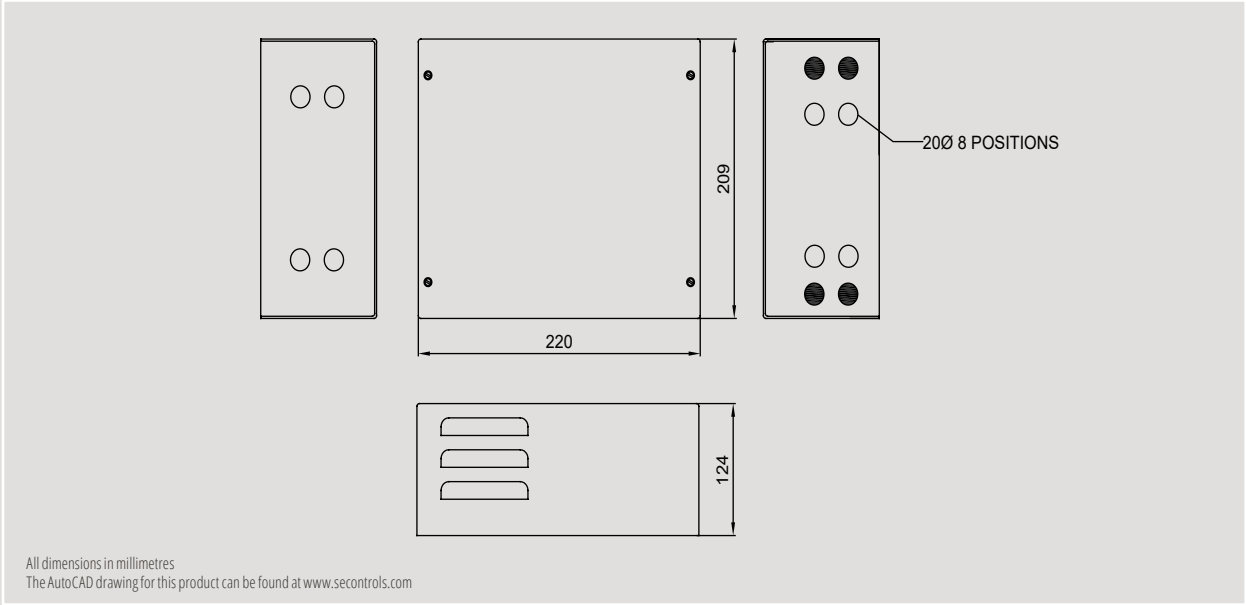


Applications



Smoke Ventilation

Technical Drawing



Technical Data

Part Number	FYS15070031
Dimensions	220 x 209 x 124 mm (W x H x D)
Supply	24 V dc \pm 10%
Power Consumption	54 mA (1.3W)
Outputs	Modbus RTU RS485
Accuracy (@25°C)	<125 Pa = \pm 2 Pa >125 Pa = \pm 1 Pa
Operating Temp	0°C to +50°C
Operating Humidity	0.98% non-condensing
Pressure Overload	25K Pa
Enclosure	IP30



The copper tubing used for connecting to the Pressure Sensor should be the Plastic Coated 8mm Copper Tubing.

FYS15040191 Ø8MM PLASTIC COATED COPPER TUBING 25MTR¹

A finishing port is available to enclose any exposed copper tubing.

FC500200083 PRESSURE SENSOR PORT ENCLOSURE C/W CONNECTION ADAPTOR

¹ The copper tube is supplied only in a 25-metre roll, SE Controls is unable to fulfill requests for custom lengths to suit specific installation layouts.

Wiring Schematic

