

GUIDE FOR USING THE DIFFERENTIAL PRESSURE SMART SENSOR

- The kit includes: the differential pressure Smart Sensors and 2m of 4x2 mm (external and internal diameter) silicone cable.

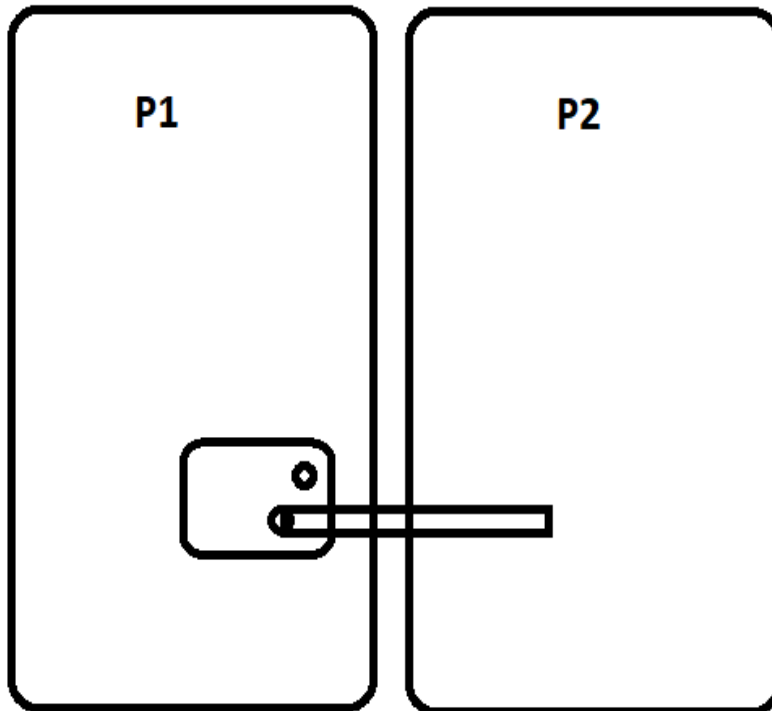


- On the differential pressure Smart Sensor case there are two pipe connectors: one generates positive signals (P +) and the other generates negative signals (P-). The output presents a signal which is the algebraic sum of the two pressures (positive if P + prevails and negative if P- prevails, zero if P + and P- have the same absolute value, and negative if P- prevails).



- If the Smart Sensor is positioned inside one of the two environments that need to be monitored, it is possible to leave one connection free while the other must be connected to a pipe that ends in the other environment. If the sensor is positioned outside the two environments that need to be monitored, it will be necessary to use two pipes (one for each environment).

For example: the Smart Sensor is located in the environment with pressure P_1 . P_+ is left free and through the supplied pipe is connected to P_- in the environment with pressure P_2 . The read signal will be positive if $P_1 > P_2$, it will be zero if $P_1 = P_2$ and negative if $P_1 < P_2$



- If the Smart Sensor is positioned outside of the two rooms that need to be monitored, it will be necessary to connect both connectors to the supplied tube, cutting the tube according to your needs.