

DELTA P

Monitoring the operation of a ventilation box, air handling unit or air network of a building.



MEASURE

Measure a delta pressure

- Between the atmospheric pressure and the inside of the ventilation box
- On both sides of an element (e.g.: filter)

Collect data of a 0-10V sensor

- e.g. ammeter clamp for distinguishing a power failure



ALERT

On exceeding threshold(s)

- Pressure difference or through 0-10V input

On digital input events

- e.g.: indication of a machine fault



ACT

Controlling the AON outputs



FONCTION

Air Pressure Delta

BENEFITS

3 features:

- **Pressure** difference: relative to the atmospheric pressure or between two different zones
- **2 digital inputs / outputs:** for connecting to a PLC for tracing alerts or operating states
- **1 analogue input 0-10V:** for connecting to a sensor

PRODUCT USES



When positioned on a ventilation box, the Delta P lets one monitor, at a distance, the proper operation of the system, and it will be alerted in the event of a malfunction (electrical, breakdown, fouling...).



Positioned either side of an air unit filter, it allows one to know the fouling status of the filter and to anticipate any interference.

TECHNICAL SPECIFICATIONS

- Periodic or event mode
- Operating temperature range : $-20^{\circ}\text{C} / +70^{\circ}\text{C}$
 - Delta pressure : $-500 / +500\text{Pa}$
 - Accuracy : $\pm 25\text{Pa}$
 - Casing : IP68
- Dimensions : $200 \times 63.5 \times 34 \text{ mm}$
- Replaceable battery
- Integrated fastening system : DIN rail, tube, wall, collar
- Zone : Sigfox : RC1 / LoRaWAN : EU863-870 / WMBus on request (MOQ)
- Standards : Directive 2014/53/UE (RED)