

**Differential pressure switch DDS**  
Type DDS Ref. no. 0445

■ **Area of application**

- Complete kit to monitor air filter, system pressure and fan operation.
- Suitable for DDC applications (24 V DC/0.1 A) due to gold-plated connection contacts. Once the unit has been connected conventionally (230 V AC / 1.5 A), subsequent use in DDC applications is no longer possible.
- Suitable for applications according to VDI 6022.

■ **Technical data**

Adjustable pressure range	50 – 500 Pa
Switching difference $\Delta p$	20 Pa
max. operating overpressure	5 kPa
Current	230 V AC 1.5 (0.4) A 24 V DC 0.1 A
Ambient temp.	-20 to +85 °C
Air flow temp.	-20 to +85 °C
Humidity	0...50% RH, non-condensing
Protection class	IP 54
Dim, mm	Ø 104, D 58
Weight approx.	0.23 kg
Wiring diagram no.	SS-490



■ **Function**

Adjustable opener/closer to monitor pressure loss and thus the amount of dust in air filters, the pressure increase of fans and the pressure level within the ventilation system.

■ **Delivery**

- Complete kit including:
- Differential pressure switch DDS
  - 4 fastening screws
  - 2 pipe connections
  - Connection pipe  
Ø 6 mm x 1.5 mm x 2000 mm
  - Drilling template for connecting points
  - Retaining plate + 3 fastening screws
  - 3 screw terminals

**One-step thermostat TME 1**  
Type TME 1 Ref. no. 1334

■ **Area of application**

- Robust, electronic thermostat for temperature-dependent on/off operation of fans or heaters. Suitable for installation in humid and dusty rooms. Surface mounting in any position.

■ **Technical data**

Voltage	230 V~, 50/60 Hz
Current	16 A
Max. current (AC 3)	6 A
Temperature range	0 to +50 °C
Switching sensitivity	+/- 0.8 K at 20 °C
Protection category	II
Protection class	IP 54
Ambient temp.	0 to +60 °C
Dim, mm	W 82 x H 80 x D 75
Weight approx.	0.2 kg
Wiring diagram no.	SS-701
Connection cable	NYM-O 4 x 1.5 mm <sup>2</sup>



■ **Function**

- Single step control thermostat for direct switching of one or a number of fans.
- Also suitable for heater control through optional connection.
- Potential-free switch-over contact.

■ **Specification**

- Enclosed casing made of impact resistant, light grey polymer. Cable entry on the bottom of casing via self-sealing grommet PG 11.
- Connection via terminal block, after removing the casing cover.

**Ventilation hygrosat**  
Type HY 3 Ref. no. 1359

**Ventilation hygrosat**  
Type HY 3 SI Ref. no. 1360

- Internal scale.
- **Area of application**
- Electromechanical humidity controller for on/off operation of fans (in 3 ph. models control via contactor) to reduce the relative humidity in a room through air exchange.

■ **Technical data**

Relative humidity level	30 to 90 %
Switching sensitivity approx.	± 6 %
Voltage max.	230 V~, 50/60 Hz
Current	3 A (ind.)
Ambient temperature	0 – 40 °C
Protection class	IP 20
Dim, mm	W 76 x H 76 x D 34
Weight approx.	0.25 kg
Wiring diagram no.	SS-168.1



■ **Specification**

- Universal hygrosat housed in an attractive polymer casing for surface mounting. Colour white.
- Setpoint adjustment via external rotary knob. In HY 3 SI via the inner scale.

- Not suitable for dusty or aggressive air.
- Sensor element made of polyamide fibres.
- Also suitable for humidification through optional connection.