

DDS



Function

Adjustable normally closed / normally open contact for monitoring drops in pressure and thus the contamination of air filters, fan pressure increases and ventilation system pressure levels.

Product range

- Complete ready-to-install set consisting of:
- Differential pressure switch DDS
 - 4 fixing screws
 - 2 hose connections
 - Connection hose
Ø 6 mm x 1.5 mm x 2000 mm
 - Drilling template for connections
 - Mounting plate + 3 fixing screws
 - 3 screw terminals

Differential pressure switch DDS
DDS Ref. no. 00445

Area of application

- Complete, installation set for monitoring air filters, system pressure and fan operation.
- Suitable for DDC applications due to the gold-plated connection contacts (24 V DC/0.1 A). When used in conventional technology (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 meas. range	50 – 500 Pa
Switching differential Δp	20 Pa
Max. operating overpressure	5 kPa
Load capacity	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 category	IP54
Dimensions mm	Ø 104, D 58
Weight approx.	0.23 kg
Wiring diagram no.	490

TME 1



Function

- One-stage control thermostat for direct switching of one or more fans.
- Can also be used to control heating elements with optional connection.
- Potential-free change-over contact.

Description

- Closed casing made of break-resistant plastic, light grey. Cable insertion on underside of casing using clamping gland PG 11.
- Connection via terminal block after removal of casing cover.

One-stage thermostat TME 1
TME 1 Ref. no. 01334

Area of application

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

Technical data

Voltage	230 V~, 50/60 Hz
Load capacity	16 A
Max. current (AC 3)	6 A
Temperature range	0 to +50 °C
Switching accuracy	+/- 0.8 K at 20 °C
Protection class	II
Protection category	IP54
Ambient temp.	0 to +60 °C
Dim. mm	W 82 x H 80 x D 75
Weight approx.	0.2 kg
Wiring diagram no.	701
Connect. cable	NYM-0 4 x 1.5 mm ²

HY 3



Description

- Universally applicable hygrostat in elegant plastic casing for surface-mounted installation. Colour white.
- Setpoint adjustment from outside via rotary knob. Via internal scale for type HY 3 SI.

HY 3 SI



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

Ventilation hygrostat
HY 3 Ref. no. 01359

Ventilation hygrostat
HY 3 SI Ref. no. 01360
Internal scale.

Area of application

- Electromechanical humidity controllers for on/off fan control (control using contactor for 3~ three-phase current types), which reduce the room air humidity with the adequate air exchange.

Technical data

Relative operating range	30 to 90 %
Humidity	± 8 %
Switching differential approx.	± 8 %
Voltage max.	250 V~, 50/60 Hz
Load capacity	3 A (ind.)
Ambient temperature	0 – 50 °C
Protection category	IP30
Dim. mm	W 76 x H 76 x D 34
Weight approx.	0.088 kg
Wiring diagram no.	168.1