

Pressure switch for positive, negative or differential pressure

Datasheet: Md-1306Gb_070223
Replaces: 040218

MTV-2000



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- **Monitors furnace pressure of combustion plants**
 - ✓ Positive pressure
 - ✓ Negative pressure
 - ✓ Differential pressure
- **Activates safety alarm**
- **Manual reset**
- **Alarm condition is not reset by power supply failure**
- **Two alarm limits and two stop limits**
- **Digital display showing actual pressure and set limits for alarm and stop**
- **Alarm time delay 0...60 sec.**
- **6 LED indicate actual status**
- **Alarm at increasing or decreasing pressure**
- **High degree of protection, IP65**

APPLICATION.

MTV-2000 is a pressure switch for supervision of positive-, negative- or differential pressure in combustion plants and air handling systems.

FUNCTION

MTV-2000 gives an alarm when the pressure exceeds or falls below a set warning or stop limit during a set time. The alarm for the warning limit is given in the form of the "Alarm" LED coming on. The alarm for the stop limit is given in the form of both relays "Safety circuit" and "Alarm circuit" switching so the connections between terminals 4 and 5 as well as between terminals 7 and 8 break. At the same time the connections between terminals 5 and 6 respective 8 and 9 make. The "Alarm" LED and the display both flash.

INSTALLATION

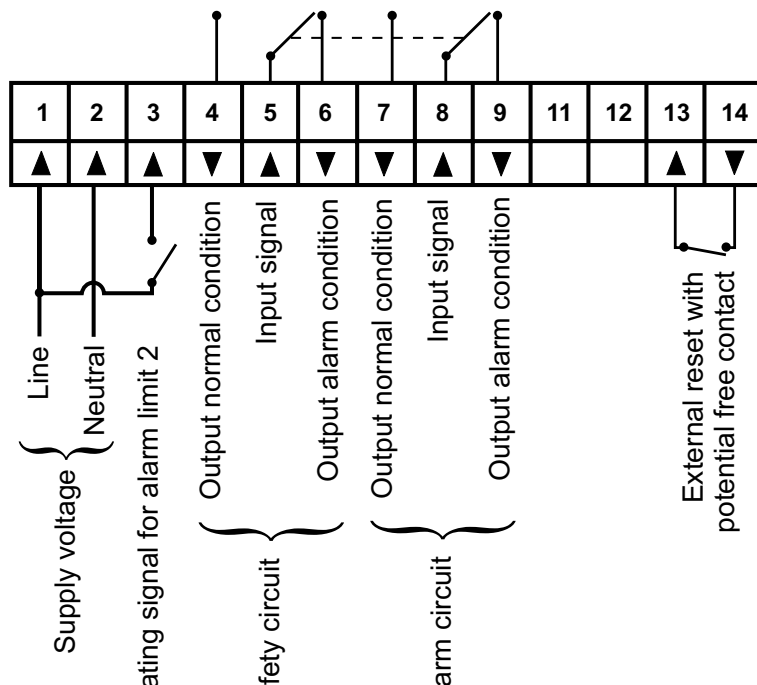
MTV-2000 is designed for wall mounting.

ACCESSORIES

- DIN-rail mounting kit
- Pressure connecting kit

TECHNICAL DATA :

Supply voltage:	See label on the outside of the enclosure (24/230 VAC +-10%) (50/60Hz)	Max load alarm contacts: 24/230 VAC, 2 A cos ϕ = 1
Power consumption	7.5 VA	EI-connections: - Supply voltage: Max. 2x1,5 mm ² - Relays: Max. 2x1,5 mm ² - External reset: Max. 1x1,5 mm ²
Activation signal for limit 2:	24/230 VAC (Same phase as terminal 1)	Cable entries: 2pcs M16 + 2pcs M20
Ambient temperature:	0...55 °C	Degree of protection: IP 65
Measuring range:	See label on the outside of the enclosure. (-300...+300 Pa) (-3000...+3000 Pa) (-7500...+7500 Pa)	Pressure connections: 8/6 HT-plastic tube Dimensions [HxWxD]: 120 x 200 x 57 mm (excl. pressure connections)
Measurement error:	1 % FS	Weight: 0,75 kg
Setting of limit value:	0...100% of the measuring range	Complies with standards, -EMC: SS-EN 50081-1 SS-EN 50082-2 -LVD: SS-EN 61010-1
Max overload:	25 kPa	
Range time delay:	0...60 seconds	
Output relays:	2 pcs.	



Electrical connection

The relays are shown in an unpowered state, i.e. alarm position. Both relays switch simultaneously.

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