

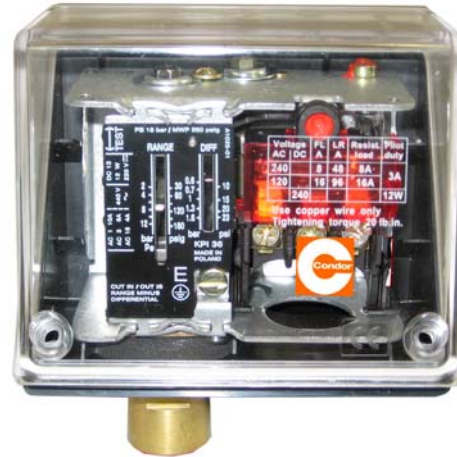
Pressure Switch MDR-P

-0.2 up to 28 bar, ample wiring room, easy calibration, high repeatability, easy to read scale, 3/8" inner thread

Applications: Air technology

Features

- Wide calibrating range
- For pumps and compressors
- Compact, minimum space requirements, simple panel board mounting
- Vibration and impact resistant
- Extremely short contact bounce time; reduces wear and tear to a minimum and increases reliability
- Frontal arrangement of the terminals saves space and makes electrical connection easier
- Suitable for AC and DC currents
- Cable entry for cable diameters 6 - 14 mm
- Cable entry can be easily replaced by a PG 13.5 and/or PG 16 cable entry



The Condor Pressure Switch contact system features snap-action. This means that the bellows will only move when the lower (cut-in) and upper (cut-out) pressure values are reached. The bellows is connected to the upper and lower pressure side of the controlled plant via the connector. The Condor Pressure Switches MDR-P, due to their construction, offer the following advantages:

- | | |
|---|--|
| - High contact loads | - Long operation life |
| - Extremely short bounce times | - High pulsation protection |
| - Vibration proof in the range of 0 – 1000 Hz | - Compact dimensions – easy panel board mounting |

Description:

Condor Pressure Switches MDR-P are used in the industry for regulating, monitoring and alarm systems.

Condor Pressure Switches MDR-P are suitable for gaseous media.

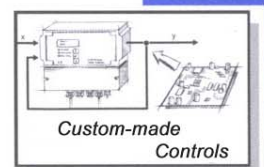
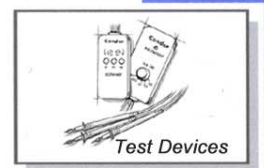
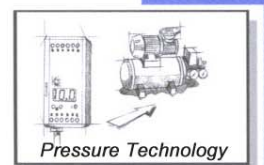
The pressure switches feature a single pole change-over (SPDT). The contact position is determined by the pressure setting and the pressure in the connector.

MDR-P ..

G = gold flashed contacts

Pressure connection: **P** G 3/8" inner thread

Type	Pressure range in bar	Differential pressure in Bar	Permissible operating over pressure in bar	Max. test pressure in bar	Part-Number
MDR – P 35	- 0,2 .. 7,5	0,5 .. 2	18	18	248 675
MDR – P 35G	- 0,2 .. 7,5	0,5 .. 2	18	18	248 682
MDR – P 36	2 .. 14	0,5 .. 1,6	18	18	248 636
MDR – P 36 G	2 .. 14	0,5 .. 1,6	18	18	248 743
MDR – P5	8 .. 32	1,8 .. 6	30	30	248 750
MDR – P 5 G	8 .. 32	1,8 .. 6	30	30	248 767




Condor info

Technische Daten

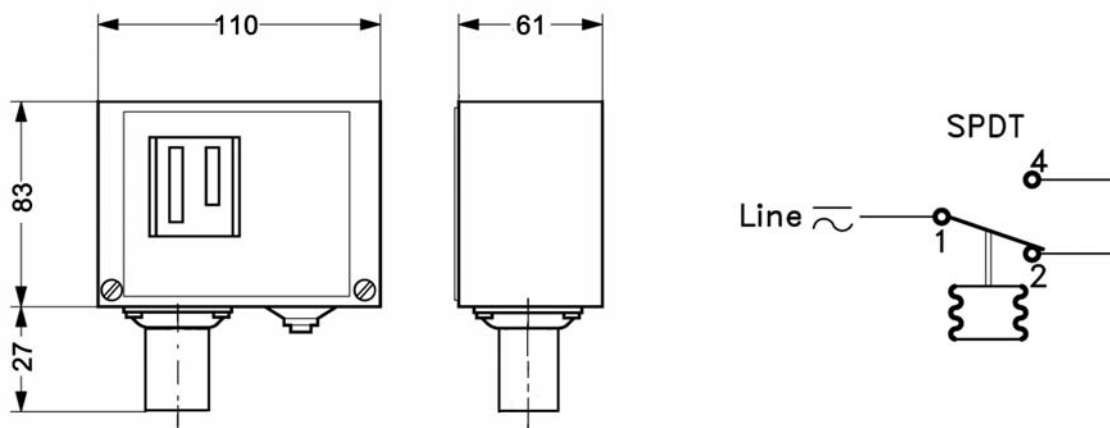
Ambient temperature °C	- 40 °C - + 65 °C (short period up to 80 °C)	
Media temperature °C	- 40 °C - + 100 °C	
Media	Gaseous media (also water, however, only when mounted directly onto the pipe system – do not use capillary tube mounting).	
Medium wetted parts	Bellows Pressure connection	Tin-bronze acc. to DIN 17662 Free cutting steel-nickel plated acc. to EN 10277-3
Contact system	Single pole change-over contact (SPDT)	
Contact load, Ag contact set	Alternating current:	
	AC 1	16 A, 400 V
	AC 3	16 A, 400 V
	AC 15	10 A, 400 V
Contact material AgCdO	Direct current:	
	DC 13	12 W, 220 V
Degree of protection	IP 55	
Cable connection	Cable entry for 6 – 14 mm cable diameter	
Mounting on back plate/bracket	Vibration proof in the range of 0 to 1000 Hz, 4 g	
Mounting on 90° bracket	Not recommendable if vibrations are to be expected	
Standards	EN 60 947-4,5	

Accessories

Designation	Sketch	Description	Part-Number*
Screwed cable entry		Screwed cable entry PG 13,5 with special nut 6 – 14 mm cables Standard screwed cable entry PG 16 for 8 – 16 mm cables	

*Part number will follow shortly!

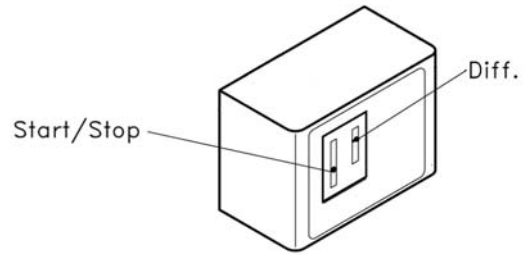
Dimensions / Circuit diagram



Pressure setting

Setting the desired pressure values:
Condor Pressure Switches MDR-P with automatic reset:

Set the upper pressure (cut-out) using the scale readings. Follow by setting the lower pressure (cut-in) using the DIFF-Scale (upper pressure value minus the differential).



Further technical data will follow shortly !