

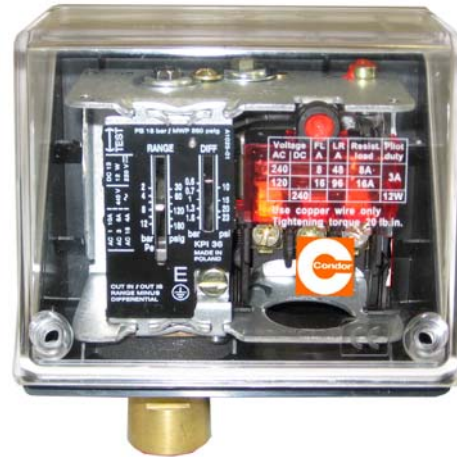
Pressure Switch MDR-PI

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

Applications: Air technology, Water technology, construction machines, fire extinguishing systems, oil pressure monitoring

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 gland



Condor Pressure Switches MDR-PI have been designed such that a bellows will travel in the same proportion as with each change in pressure. A leg spring placed between the bellows and the contact system allows for snap function contact change-over.

The Condor Pressure Switches MDR-PI, because of their construction, offer the following advantages:

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

Description:

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

Condor Pressure Switches MDR-PI are suitable for gaseous and liquid media.

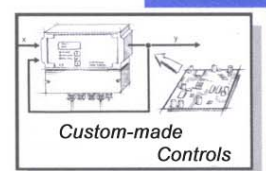
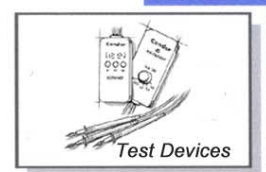
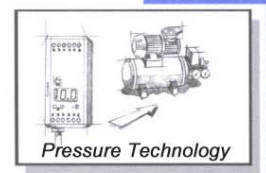
The pressure switches feature a single pole change-over (SPDT). The contact position is determined by the pressure setting and the pressure in the connector.

MDR-PI ..

G = gold flashed contacts

Pressure connection: **PI 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 – PI 34	- 0.2 .. 3				248 576
MDR – PI 34G	- 0.2 .. 3				248 583
MDR – PI 35	- 0.2 .. 8	0.5 .. 2	18	18	248 590
MDR – PI 35G	- 0.2 .. 8	0.5 .. 2	18	18	248 606
MDR – PI 36	2 .. 12	0.5 .. 1,6	18	18	248 637
MDR – PI 36 G	2 .. 12	0.5 .. 1,6	18	18	248 644
MDR – PI 38	8 .. 28	1.8 .. 6	30	30	248 651
MDR – PI 38 G	8 .. 28	1.8 .. 6	30	30	248 668



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Technical Data

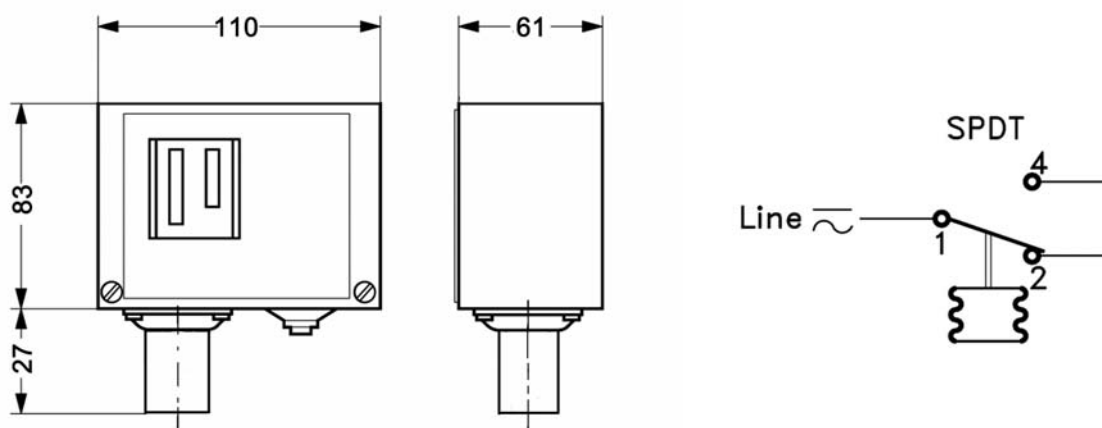
Ambient temperature °C	- 40 °C - + 65 °C (short period up to 80 °C)	
Media temperature °C	- 40 °C - + 100 °C	
Media	Air, Öl, Water	
Medium wetted parts	Bellows	Tin-Bronze acc. to DIN 17662
	Pressure connection	Bronze acc. to DIN 17660
Contact system	Single pole change-over contact (SPDT)	
Contact load, Ag contact set	Alternating current:	
	AC 1	10 A, 440 V
	AC 3	6 A, 440 V
	AC 15	4 A, 440 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 diameters	
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*
Cable glands		Cable gland PG 13,5 with special nut 6 – 14 mm cables Standard cable gland PG 16 for 8 – 16 mm cables	

*Part number will follow shortly!

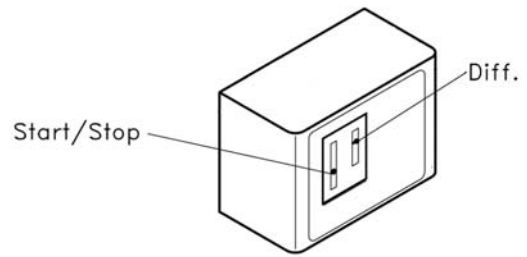
Dimensions / Circuit diagram



Pressure setting

Setting the desired pressure values:
Condor Pressure Switches 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 !