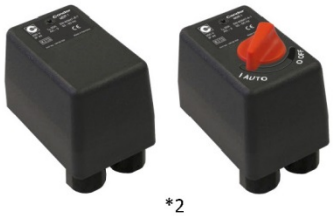
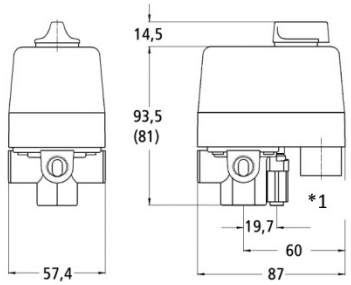
OPERATING INSTRUCTIONS **MDR-1**

Condor pressure switches were built according to the relative and approved regulations of the time period when they were developed and produced and are considered to be safe during operation. However, this device can present risks if it is used by personnel without specialist training, or is used inappropriately or in an unapproved manner. The **safety data sheet** and the local legal regulations are to be strictly observed. The pressure switches serve the surveillance and control of processes, operations of pumps and compressors in dependence on the prevailing pressure.

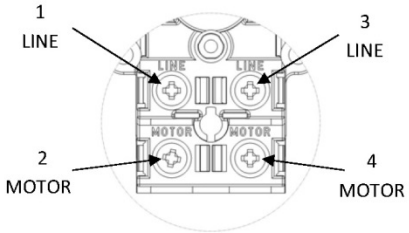


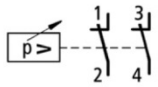
*2



Technical Data (DIN EN 60947-4-1)	
Rated operational current Ie (Ue = 250 V, AC 3)	20 A
Rated frequency	50 Hz / 60 Hz
Rated insulation voltage Ui	500 V
Rated impulse voltage Uimp	6 kV
Degree of protection of individual enclosure	IP 44
Pollution degree	3
Protection class	I
Mechanical durability operating cycles	> 5 x 10^5
Maximum mechanical switching frequency operating cycles / h	600
Electrical durability (AC 3) operating cycles	> 1 x 10^5
Rated operating mode (Class 120) operating cycles / h	120
Permissible medium temperature (air)	-5°C - +80°C
Contact material	Silver alloy
Co-ordination type	2
Prospective short-circuitcurrent (Iq)	3 kA
Fuse - manual	35 A
Fuse - pneumatic	50 A
SIBA NH00 gL/gGtype 2047713	

*1: If air out of the tank is released through the release valve after shutting off the switch, the non-return valve on the compressor is to be checked.
*2: The pressure values shown on the label are the factory settings set by Condor. These can be adjusted. See the pressure setting diagram.



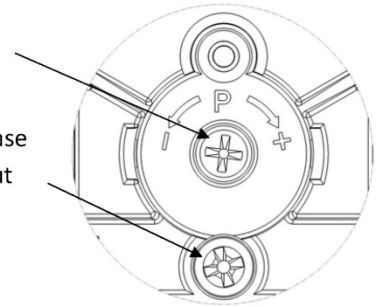


Conductor cross-section:
fine stranded cable 1x / 2x 2,5/2,5 mm²
rigid cable 1x / 2x 2,5/2,5 mm²

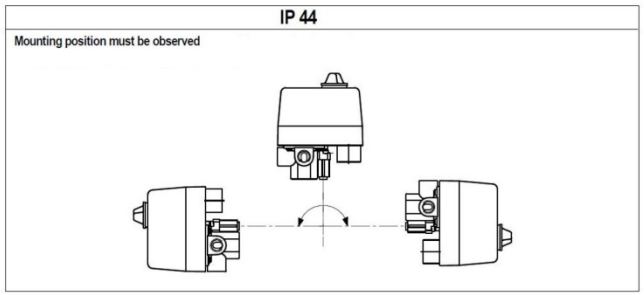
The following material are available for flanges:	
Die-cast aluminium	Galvanised steel
Diaphragm: Hytrel	Diaphragm: Hytrel
!!! Watch out for any electrochemical corrosion when connected with other metals !!!	

Turn clockwise to increase both cut-out and cut-in pressure

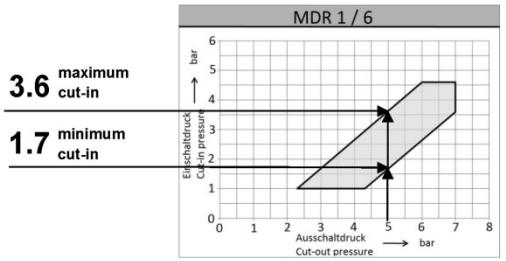
Turn clockwise to increase cut-out pressure without affecting cut-in

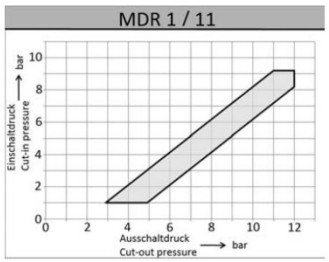


How-to videos: Adjust pressure values – You Tube
https://www.youtube.com/channel/UC10vgkmZlH3gxVIxZ5B5WDQ/videos?shelf_id=0&view=0&sort=dd



Pressure diagrams MDR 1





Example: Cut-out pressure p = 5 bar, cut-in pressure p_E between 1,7 and 3,6 bar possible, all values can be adjusted in the grey field. Other pressure diagrams available on request.

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