

P28

Oil Protection

These controls measure the pressure differential between the pressure generated by the oil pump and the refrigerant pressure at the crankcase.

A built-in time delay switch allows for pressure-pick up on start and avoids nuisance shutdowns on pressure drops of short duration during the running cycle.

When the compressor is started, the time delay switch is energised. If the net oil pressure does not build up within the required time limit, the time delay switch trips to stop the compressor. If the net oil pressure rises within the required time after the compressor starts, the time delay switch is automatically de-energised and the compressor continues to operate normally. If the net oil pressure should drop below setting (scale pointer) during the running cycle, the time delay switch is energised and, unless the net oil pressure returns to cut-in point within the time delay period, the compressor will be shut down, and have to be manual reset.

The compressor can never run longer than the predetermined time on low oil pressure.

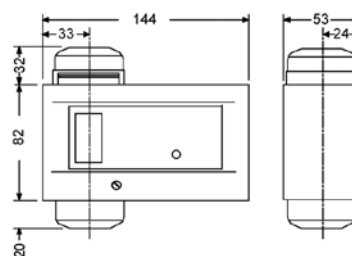
Controls are available only for manual reset after cut-out.

Features

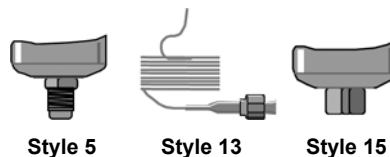
- Heavy duty pressure elements
- Safety lock-out with trip-free manual reset
- Ambient compensated timing
- Dust-tight Penn switch

Application

These oil protection controls are designed to give protection against low net lube oil pressure on pressure lubricated refrigeration compressors.



Dimensions in mm



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| Ordering Codes | Range (bar) | Style | Time Delay (s) | Voltage | Switch Action | Refrigerant | Additional Features | | | | |
|----------------|-------------|-------|----------------|---------|--|---|---|------------------------------------|--|--|--|
| P28DA-9341 | 0.6 to 4.8 | 5 | 50 | 115/230 | 15(8) A, 230 VAC, Open Low, Alarm and Safe Light Contacts | non-corr. | Incl. plastic PG nipple 13.5 + 2 flare nuts | | | | |
| P28DA-9660 | | 13 | 90 | | | | --- | | | | |
| P28DJ-9360 | | 5 | 90 | 230 | | | IP 66 enclosure | | | | |
| P28DJ-9861 | | 15 | 90 | NH3 | | IP 66 enclosure, Incl. 2 connectors CNR003N001 | | | | | |
| P28DP-9300 | | 5 | --- | | | | non-corr. | Without time delay | | | |
| P28DP-9340 | | | 50 | | | | | --- | | | |
| P28DP-9360 | | | 90 | | | | | --- | | | |
| P28DP-9380 | | | 120 | | | | | --- | | | |
| P28DP-9381 | | 13 | 50 | | | | | Concealed adjustment, set 0.65 bar | | | |
| P28DP-9640 | | | | | | | | --- | | | |
| P28DP-9660 | | | | | | | | --- | | | |
| P28DP-9680 | | | | | | | | --- | | | |
| P28DP-9840 | | 15 | 50 | NH3 | | | --- | | | | |
| P28DP-9860 | --- | | 90 | | --- | | --- | | | | |
| P28DN-9750 | --- | | 50 | | 115/230 | | --- | Concealed adjustment, set 1,5 bar | | | |