



Adjustable oil protection switch

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.

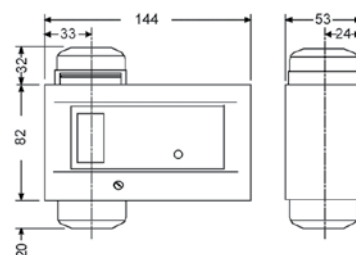
Controls are available only for manual reset after cut-out.

Features

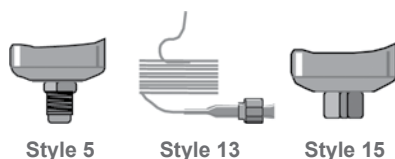
- ▶ Heavy duty pressure elements
- ▶ Safety lock-out with trip-free manual reset
- ▶ Ambient compensated timing
- ▶ Dust-tight Penn switch

Application

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



Dimensions in mm



Style 5

Style 13

Style 15

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Ordering information

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 2 flare nuts 7/16"-20 UNF			
P28DA-9660		13	90				---			
P28DJ-9360		5	90	230			IP66 enclosure			
P28DJ-9861		15	90	NH3		IP66 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	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			