



PRODUCT HIGHLIGHT

PS80-L

PRESSURE SWITCH FOR LOW GWP REFRIGERANT HVAC SYSTEMS

Sensata's PS80-L series of pressure switches leverages our 70+ year history of delivering robust and reliable solutions for HVAC OEMs worldwide.

This series ensures precision and durability even in harsh thermal environments (actuation drift $\pm 2\%$) – a factor even more critical in Low GWP-driven systems, where the discharge temperatures can be significantly higher.



DESIGNED FOR LOW-GWP REFRIGERANTS

Compatible with R410a, R22, R134a, R407c CO2 (R333a) and A2L (R32, R454A, R454B, R454C)



RELIABLE & RUGGED DESIGN

Switch is designed to last 100K cycles, rated to IP67 and ATEX-Certified



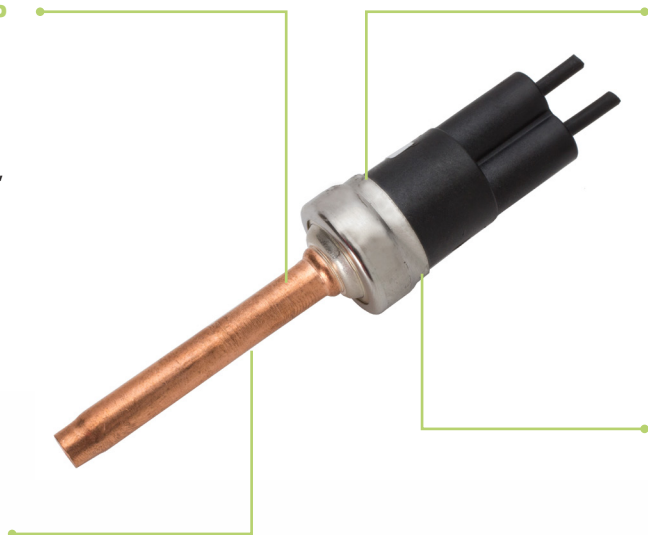
FEWER NUISANCE TRIPS

Actuation drift $\pm 2\%$ - helping prevent nuisance tripping due to refrigerant temperature changes.



FLEXIBLE SET POINT RANGE

Variety of set points optimized for HVAC/R designs and functionality in high pressure cut-out, condenser fan control, and other applications.



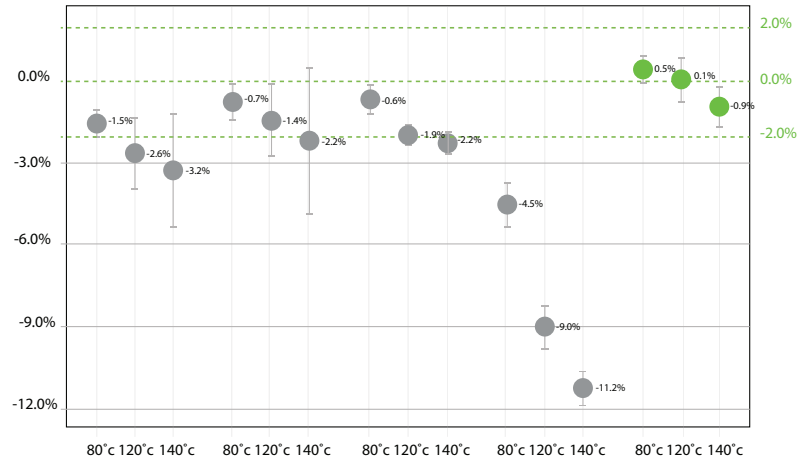
APPLICATIONS

- HVAC
- Refrigeration
- Heat Pump
- Industrial Applications
- others



Thermal drift

95% CI for the Mean



Competitor 1 Competitor 2 Competitor 3 Competitor 4



Individual standard deviations are used to calculate the intervals.

ORDERING OPTIONS

Series	PS80	-	L	1	0001	060-040	XXX%YY
Series							
PS80							
B							
0 = Standard identifier							
K = Optional identifier							
1 = Alternate electrical ratings							
2 = Alternate maximum calibration pressure							
V = Alternate contact arm for N.O. contacts C, Same as 1, except for manufacturing techniques							
L = Low thermal drift							
C							
1 = Normally closed, sealed construction, wire leads							
2 = Normally open, sealed construction, wire leads							
3 = Normally closed, quick connect terminals							
4 = Normally open, quick connect terminals							
5 = Normally closed, sealed construction, wire leads, gold contacts							
6 = Normally open, sealed construction, wire leads, gold contacts							
7 = Normally closed, quick connect terminals, gold contact							
8 = Normally open, quick connect terminals, gold contact							
D							
Four digit - Production assigned number or "F" followed by a four digit production assigned number.							
E							
060-040 - Nominal operating pressure, not to exceed the rated pressure; Actuation pressure (three-digit number) or vacuum pressure (V and two-digit number) followed by; De-actuation pressure (three-digit number) or vacuum pressure.							
F							
XXX%YY - Julian Date Code 3 digits Julian Day, followed by one or two digits Plant location code, followed by 2 digits Year.							

CONTACT US

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