



HVAC/REFRIGERATION PRESSURE SENSOR

2CP5/2CP50 Series

WORLD CLASS PERFORMANCE

The 2CP5/2CP50 Series is ideal for demanding Air Conditioning and Refrigeration applications where long-term reliability & accuracy is a must. This series provides proven reliability at a competitive price.

Sensata Technologies has been a leading global supplier of pressure sensors & switches for over 50 years.

Features & Benefits

- UL recognized
- Ceramic capacitive sensor
- Durable, compact design
- · Low cost
- Accurate performance over wide temperatures
- Overvoltage and short circuit protected

Applications

- Discharge and suction pressure monitoring
- Subcooling and superheat calculations
- Compressor oil pressure monitoring
- · Condenser fan control
- · Compressor staging and unloading
- Electronic expansion valve control
- Remote systems diagnostics and trending

Technical Specifications

Pressure Ranges

0-15 psi through 0-650 psi Standards listed on reverse side For non-standard device contact Sensata.

Performance

Accuracy ±0.6% F.S. typ.

(linearity, hysterisis, repeatability, and calibration)

Electrical Connection ... Nema 4X. IP65

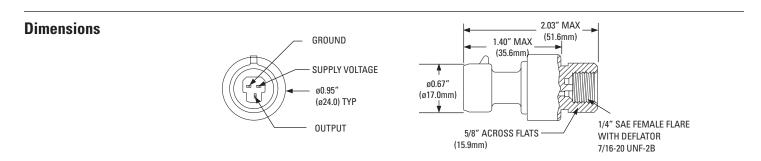
Electrical

Agency

UL recognized File # SA995 ROHS available

HVAC/REFRIGERATION PRESSURE SENSOR

2CP5/2CP50 Series



Ordering Information

EXAMPLE				2CP5	S <u></u>	<u>05</u>	2 ⊤	XX	XX	<u>A</u>	<u>N</u> <u>N</u>
Series —											
	(up to 500 psi) (above 500 psi										
Pressure Co	onnection Mat	erial —									
S B	Plated Steel Brass										
Pressure Co	onnection —										
05			vith deflator, 7/16 er pressure conne								
Electrical C	Connection —										
2	Packard Metri-	-Pack (Ma	tes with Packard	# 12065287)							
Pressure Ranges —											
	From 0-15 psi (0015) to 0-650 psi (0650) See "Standards" below										
Pressure Re	eference —										
Α	Absolute	S	Sealed gage	G G	age						
Seal Mater	ial ———										J
Н	HNBR										
N	Neoprene										
	Please use refrigerant compatibility table for selection - others available upon rerquest										

Connector Harness

N none required

Y Packard Wire Harness 1-meter standard wire For other options please contact Sensata

Standards

Sample Order Number	Production Number	Comments						
2CP5B0520150ANN	2CP5-46	brass, 0-150 psia						
2CP5B0520200ANN	2CP5-49	brass, 0-200 psia						
2CP5B0520300SNN	2CP5-50	brass, 0-300 psis						
2CP5B0520400SNN	2CP5-51	brass, 0-400 psis						
2CP5B0520500SNN	2CP5-47	brass, 0-500 psis						
2CP5S0520500SNN	2CP5-48	brass, 0-500 psis						
	2CP5B0520150ANN 2CP5B0520200ANN 2CP5B0520300SNN 2CP5B0520400SNN 2CP5B0520500SNN	2CP5B0520150ANN 2CP5-46 2CP5B0520200ANN 2CP5-49 2CP5B0520300SNN 2CP5-50 2CP5B0520400SNN 2CP5-51 2CP5B0520500SNN 2CP5-47						

Туре	Refrigerant Compatibility	Seal Material	Maximum Seal Temperature Range
N	R12 R22 R134a R404a R407c R410a R502 R507	Neoprene*	-40C to 120°C
Н	R134a R404a R407c R410a R507	HNBR (Hydrogenated Nitrile)*	-20°C to 135°C

^{*} Seal selection also depends on oil type used.



Sensata Technologies

529 Pleasant Street, MS B19 Attleboro, MA 02703-2964 Phone 1-888-438-2214

Fax: 508-236-2349

email: sensors@sensata.com

www.sensata.com

Important Notice: Sensata Technologies (Sensata) reserves the right to make changes to or discontinue any product or service identified in this publication without notice. Sensata advises its customers to obtain the latest version of the relevant information to verify, before placing any orders, that the information being relied upon is current. Sensata assumes no responsibility for infringement of patents or rights of others based on Sensata applications assistance or product specifications since Sensata does not possess full access concerning the use or application of customers' products. Sensata also assumes no responsibility for customers' product designs.