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SAGInoMIYA 
 AUTOMATIC CONTROLS

NSK, XSK Pressure Sensors



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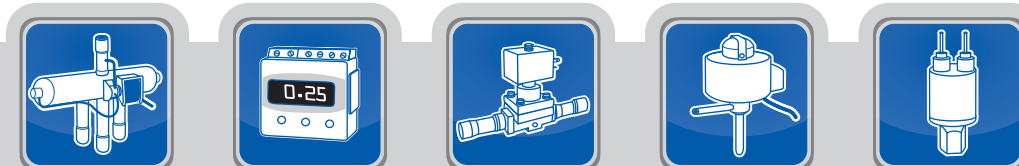
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NSK specifications

Water-proof: IP66 protection level (standard types).
 Can be installed in any position.
 Ambient temperature: -30 °C to 100 °C.
 Fluid temperature range: -30 °C to 120 °C.
 Power supply & wiring: 5V DC ± 0.25V, 3 wire type.
 Weight: 0.04 kg.
 Absolute pressure type with shifted scale.
 1 atmospheric pressure (1013 hpa) is defined as 0 MPa.

XSK specifications

Water-proof: IP66 protection level (standard types).
 Ambient temperature: -20 °C to 70 °C.
 Fluid temperature range: -20 °C to 70 °C.
 Power supply & wiring: 10.5 to 28V DC, 2 wire type.
 Weight: 0.09 kg.
 Absolute pressure type with shifted scale.
 1 atmospheric pressure (1013 hpa) is defined as 0 MPa.

Examples of specific applications:

High Pressure Type

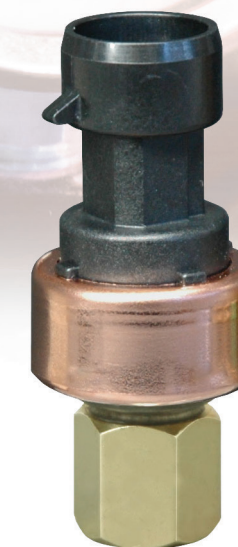
- High pressure check.
- Sub-cooling control.
- Control for water regulating valve of water cooling condenser.
- Fan control for air cooling condenser.

Low Pressure Type

- Control for electronic expansion valve.
- Defrost control.
- Compressor start and stop.

Main advantages of Saginomiya Pressure Sensors:

- High temperature range.
- All common HFC refrigerants + special version for CO₂ (type HSK).
- Suitable for various applications.
- Wide range of electronic control possibilities.
- Possibility of manufacturing customized models for OEM customers.



NSK



XSK

NSK & XSK PRESSURE SENSOR

Type	Pressure range [bar]		Output	Electrical Connector	Pressure Connectio
	Min.	Max.			
NSK	0	10	0,5-4,5 [V DC]	Packard(12065287) Molex(52117-0340) Lead wires	1/4" Female Flare, 1/4" Male Flare, 1/4" copper tube, R1/8"
	0	20			
	0	30			
	0	35			
XSK	0	50	4-20 [mA]	Molex(52117-0240)	1/4" Female Flare, 1/4" Male Flare
	-0,5	10			
	0	20			
	0	30			
	0	35			
	0	50			

7/16 20 UNF 1/4" Female and Male Flare are available with or without Shrader depressor pin, R1/8" connections are available with stainless steel.

NSK OUTPUT CHARACTERISTICS

