Interactive Catalog Replaces Catalog Pages

Honeywell Sensing and Control has replaced the PDF product catalog with the new Interactive Catalog. The Interactive Catalog is a power search tool that makes it easier to find product information. It includes more installation, application, and technical information than ever before.

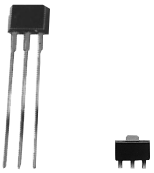
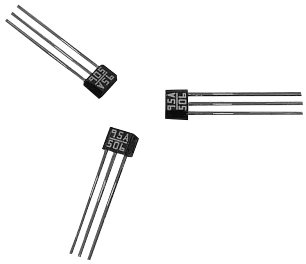
Click this icon to try the new Interactive Catalog.

Sensing and Control
Honeywell Inc.
11 West Spring Street
Freeport, Illinois 61032

Solid State Sensors
Selection Guide

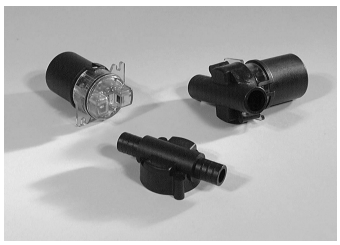
POSITION SENSORS

	 **2SSP** **Page 7**	 **SS400** **Page 8**	 **SS100/SS10** **Page 10/13**
Operation	Proximity to external magnet	Proximity to external magnet	Proximity to external magnet
Supply Voltage	6-24 VDC	3.8 to 24 VDC	3.8 to 30 VDC (SS100), 4.5-24 VDC (SS10)
Construction	Molded plastic package	Molded plastic package	Molded plastic package
Termination	Printed circuit board, Through-hole, or Surface mount	Printed circuit board, Through-hole or Surface mount	Surface mount, printed circuit board
Operating Speed	0 to over 100 kHz	0 to over 100 kHz	0 to over 100 kHz
Temperature Range	−20 to 85°C	−40 to 150°C	−40 to 125°C
Output Type	Digital, NPN	Digital, NPN	Digital, NPN

	 **SS41** **Page 12**	 **SS49/SS19** **Page 17**	 **SS490** **Page 20**
Operation	Proximity to external magnet	Proximity to external magnet	Proximity to external magnet
Supply Voltage	4.5-24 VDC	4-10 VDC	4.5-10.5 VDC
Construction	Molded plastic	Molded plastic	Molded plastic
Termination	Printed circuit board, Through-hole, or Surface mount	Printed circuit board, Through-hole, or Surface mount	Printed circuit board, Through-hole or Surface mount
Operating Speed	0 to over 100 kHz	1.5 μ seconds (Response)	3 μs typical (response)
Temperature Range	−55 to 150°C	−25 to 85°C	−40 to 150°C
Output Type	Digital, NPN	Analog, PNP	Analog, NPN or PNP

MG MAGNETS
Page 25

MICRO SWITCH supplies bar and ring magnets for operating our Hall effect sensors. These are provided in a wide variety of magnetic materials, sizes, shapes, and mounting options.



APMS-10G Turbidity Sensors
Page 27

The APMS-10G Wash Process Sensor provides an integrated package consisting of a microprocessor and three sensing functions.

Solid State Sensors
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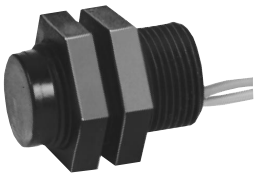
TEMPERATURE SENSORS

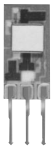
103SR
Page 14

Proximity to external magnet
4.5-24 VDC
Threaded aluminum bushing
Leadwires
0 to over 100 kHz
–40 to 100°C
Digital, NPN or PNP
Analog, PNP, pg. 24



SR3/SR4
Page 15

Proximity to external magnet
4.5-24 VDC
Thermoplastic housing
Leadwires
0 to over 100 kHz
–40 to 85°C
Digital, NPN



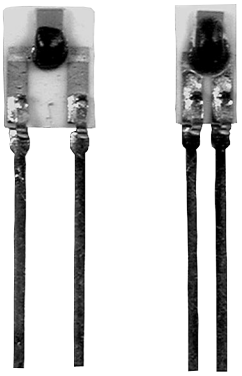
SS94
Page 18

Proximity to external magnet
4.5-12 VDC
Ceramic hybrid circuit
Printed circuit board
3 µ seconds (response)
–40 to 125°C
Analog, NPN or PNP

TD/HEL Temperature
Page 29

Temperature changes
4-9 VDC
Molded plastic package
Printed circuit board
≈ 1 to 4 seconds
Depends on sensor
Linear

MOISTURE SENSORS



HIH Moisture/Humidity
Page 41

Humidity/moisture changes
4-9 VDC
Ceramic hybrid circuit
Printed circuit board
Surface mount
≈ 1 to 4 seconds
Depends on sensor
Linear

BASIC SWITCH STYLE

VX
Page 48

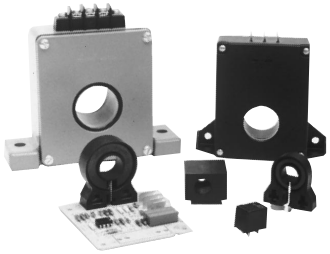
Mechanical plunger
4.5-24 VDC
Plastic housing
Connector compatible
Depends on actuator
–40 to 70°C
Digital, NPN, N.O. or N.C.

GEAR TOOTH SENSOR

GT1
Page 52

Ferrous metal
4.5-24 VDC
Plastic housing
Leadwires
Depends on actuator speed
–40 to 150°C
Digital, NPN

CURRENT SENSORS



CS
Page 54

Current sensor
Depends on sensor
Plastic housing
Screw, quick-connect or printed circuit board
Depends on sensor
–25 to +85°C
Analog or digital

AV vane sensors change output state when a ferrous vane is passed thru the gap. Page 50.

Our solid state sensor products are not necessarily designed or manufactured for use as a ''critical component'' in a ''critical device'' as those terms are defined in the Medical Devices Subchapter contained in the Food & Drug Administration Rules, 21CFR 800.