Honeywell

Honeywell Sensing and Control



Order Product and Get Support

- U.S. Authorized Distributors
- Global Sales & Service
- N. American Sales Reps
- Distributor Inventory
- Technical Assistance
- White Papers
- Literature Request
- Test and Measurement Catalog
- RoHS Product List
- Customer Feedback

941-D4V-2D-002-180E



Actual product appearance may vary.

Series 941 -D, Limit switch style, 2000 mm [79.0 in] scan distance, Connector M12, 5 pin, two switching outputs NPN, teach in feature, IP67

Features

Limit switch style sensor
Plastic Housing
Teach in
Sealing to IP67
M12 connector, 5 pin
Synchronizing/hold input: To avoid mutual interference from several sensors, they are very simply synchronised by connecting their synchronizing/hold input (pin 4) together. If the measure needs to be stopped, connect the synchronizing/hold input to the ground; the output stays stable.
Two switch point adjustment via teach in sequence
Temperature compensation

Potential Applications

Presence detection
Applications with restricted space
Slitter and rewinder machines
Cranes
Loop control

Description

The 941-D Series are industrial controls that perform distance measurement by using an ultrasonic beam. They provide all high-end sensor features in a limit switch style housing. The sensor may be mounted in applications where space is a premium. Maximum scan range is 3,5 m [11.48 ft]. The 941-D comes with four output options; Analog (0 Vdc to 10 Vdc and 4 mA to 20 mA) and 2 PNP or 2 NPN switching outputs.

Supporting Documentation

- Dimensions
- Installation Instructions - Multiple Languages
- Electrical Connections
- Accessories: Standard or Angled Connector
- Accessory: Standard or Angled Connector with 2 m [78.8 in] Cable

Product Specifications	
Sensing Range	200 mm to 2000 mm [8.0 in to 79.0 in]
Range Type	Middle range 1,0 m to 2,0 m [39.0 in to 79.0 in]
Min. Sensing Distance of Test Target	200 mm [8.0 in]
Supply Voltage	12 Vdc to 30 Vdc
Beam Angle	8°
Oscillating Frequency	180 KHz
Integrated Temperature Compensation	Yes
Repeatability	± 0.2 %, ± 2,0 mm [0.079 in]
Output Type	Switching 2 x NPN
Switching Output Type	2 Outputs - Configure for Normally Open/Normally Closed
Max. Switching Frequency	5 Hz
Adjustment Method	Teach - in
Analog Output Slope Selection	Teach - in
Operating Temperature Range	- 15 °C to 70 °C [5 °F to 158 °F]
Storage Temperature	- 25 °C to 70 °C [- 13 °F to 158 °F]
Maximum Output Current	500 mA
Hysteresis	0.01
Indicators	4 LED
Memory	EEPROM (non - volatile)
Current Consumption	< 80 mA
Circuit Protection	Reverse Polarity, voltage spikes on supply and output lines, short circuit on switching output
Housing Style	Limit Switch style
Housing Material	Polyethylenterephtalat
Sealing	IP67
Mounting	3 holes
Sensing Face Material	Epoxy
Termination Type	Connector
Connector Type	M12, 5 pin (female connector not included)
Availability	Global
Normally Open/Normally Closed selection	Teach - in
UNSPSC Code	41111926
UNSPSC Commodity	41111926 Proximity sensors
Series Name	941 - D

My Links

Login to iCOM
Login as Rep/AD
Login as Guest
Login to Digital University

Keyword Search

Search for product and support information.

All Sensing and Contr

Product Search

Part number search:

Use (*) to expand search

Specification Search