

873P Ultrasonic Sensors



An enhanced line of sensing solutions

Features and Benefits

- Pushbutton teach process and multiple LED indicators simplify programming of sensor outputs and set points
- Sensing up to 6 m (19.6 ft)
- Wider range of operating voltage opens sensor to new applications
- Synchronization on select models prevents crosstalk
- Four output modes:
 - Single PNP
 - Dual PNP
 - Analog Current or Voltage
 - Dual PNP with Analog Current or Voltage
- IP67-rated 18 mm and 30 mm PBT plastic threaded barrels for use in tough industrial applications
- Window or One Set Point output function
- Lockout feature prevents tampering or inadvertent re-programming



Versatile solution incorporating a harsh-duty design with a simple setup

Rockwell Automation is proud to introduce a new line of general purpose ultrasonic sensors. The new Allen-Bradley 873P sensors complement our existing ultrasonic sensor line and are ideal for applications that can be challenging for other sensing technologies, such as in the detection of clear, shiny or non-reflective objects.

Now offering a wider range of operating voltages and simplified push-button setup, these enhanced 873P sensors are easier to use and are suitable for an even broader range of applications. Setpoints and output function (window or single setpoint operation) are selected via the pushbutton and are protected by a lockout feature that prevents tampering or inadvertent re-programming. Multiple status LEDs also assist in setup and troubleshooting. Select models also feature synchronization to prevent crosstalk in multiple sensor installations.

Consisting of IP67-rated 18 mm and 30 mm diameter models with analog, digital and combination analog/digital output configurations, the Allen-Bradley 873P family offers sensing ranges from 400 mm to 6 meters for optimal application flexibility. The 6 meter model features a 38.5 mm face diameter which is one of the smallest for a long range ultrasonic sensor.

LISTEN.
THINK.
SOLVE.

Product Selection

See below for our most popular models. Refer to ab.rockwellautomation.com for full product selection.

Sensing Range	Output Type	Catalog Number
100 - 900 mm	(1) PNP Discrete	873P-D18P1-900-D4
200 - 2200 mm	(1) PNP Discrete	873P-D18P1-2200-D4
100 - 900 mm	(1) Analog Current (4-20mA)	873P-D18AI-900-D4
100 - 900 mm	(1) Analog Voltage (0-10V DC)	873P-D18AV-900-D4
200-2500 mm	(1) Analog Current (4-20mA)	873P-D30AI-2500-D4
200 - 2200 mm	(1) Analog Voltage (0-10V DC)	873P-D18AV-2200-D4
200 - 2500 mm	(1) Analog Voltage & (2) PNP Discrete	873P-D30AVP2-2500-D5
250 - 3500 mm	(1) Analog Current & (2) PNP Discrete	873P-D30AIP2-3500-D5
350 - 6000 mm	(1) Analog Voltage & (2) PNP Discrete	873P-D30AVP2-6000-D5
350 - 6000 mm	(1) Analog Current & (2) PNP Discrete	873P-D30AIP2-6000-D5

Accessories

Refer to ab.rockwellautomation.com for full product selection.

Mounting Brackets	
Zinc-Plated Right Angle (M18)	871A-BRN18
Zinc-Plated Right Angle (M30)	871A-BRN30
Swivel/Tilt Style (M18)	60-2649
Swivel/Tilt Style (M30)	60-2639

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