





Ultrasonic Sensors
Quick Selection Guide

Specifications	 873P Analog or Discrete Output	 873P Programmable	 873C Analog or Discrete Output	 873E RightSound™ Opposed Mode Clear Object Sensing System
Features	<ul style="list-style-type: none"> Sensing ranges from 100mm to 2500mm Analog output models (4–20mA, 0–10V DC) Discrete output models (normally open, PNP) Plastic barrel housing Adjustable sensing distance (discrete models) Short circuit, overload, false pulse, transient noise and reverse polarity protection Hold/Synchronize function to reduce crosstalk cULus listed and CE marked for all applicable directives 	<ul style="list-style-type: none"> Sensing ranges from 150mm to 3500mm Programmable models include 2 discrete and 1 analog output Discrete outputs can be programmed for normally open or normally closed operation Programmable set point adjustment via pushbutton Short circuit, overload, false pulse, transient noise and reverse polarity protection 	<ul style="list-style-type: none"> 3-wire operation 3-conductor connection 18–30V DC Metal, nonmetal solid and liquid sensing capability Short circuit, false pulse, reverse polarity, overload and transient noise protection Adjustable sensing distance (discrete model) Adjustable background suppression (analog model) 	<ul style="list-style-type: none"> Ideal solution for sensing clear objects or materials including glass and plastic bottles. Popular right angle package allows through hole mounting as well as 18mm threaded mounting hubs on the sensor nose and base. Highly visible 360° indicators conveniently mounted at the top of the sensor. Designed to Rugged Food Industry Standards: enclosure rated for 1200psi washdown as well as NEMA 4X, 6P and IP67 water ingress standards. Receivers come with both NPN (sinking) and PNP (sourcing) outputs. Short circuit, overload, reverse polarity, false pulse and transient noise.
Housing	<ul style="list-style-type: none"> Plastic Barrel; 18, 30mm 	<ul style="list-style-type: none"> Plastic Barrel; 30mm 	<ul style="list-style-type: none"> Plastic Face/Threaded Nickel-Plated Brass Barrel 	<ul style="list-style-type: none"> Plastic
Sensing Range	<ul style="list-style-type: none"> 100 to 600mm (3.94 to 23.62in) 200 to 1500mm (7.87 to 59.06in) 300 to 2500mm (11.81 to 98.43in) 	<ul style="list-style-type: none"> 150 to 1500mm (5.98 to 59.10in) 350 to 3500mm (13.78 to 137.80in) 	<ul style="list-style-type: none"> 300 to 1000mm (11.81 to 39.37in) 	<ul style="list-style-type: none"> 50 to 750mm (2 to 30in)
Operating Voltage	<ul style="list-style-type: none"> 18 to 30V DC 	<ul style="list-style-type: none"> 19 to 30V DC 	<ul style="list-style-type: none"> 18–30V DC 	<ul style="list-style-type: none"> 10.8–30V DC
Outputs	<ul style="list-style-type: none"> Discrete (Normally Open—PNP) Analog Current (4 to 20mA) Analog Voltage (0 to 10V DC) 	<ul style="list-style-type: none"> Programmable (2—PNP with Analog current or Analog voltage) 	<ul style="list-style-type: none"> Analog Voltage (1–10V DC) Discrete (Normally Open—PNP) 	<ul style="list-style-type: none"> NPN/PNP
Enclosure	<ul style="list-style-type: none"> IP67 	<ul style="list-style-type: none"> IP67 	<ul style="list-style-type: none"> NEMA 12 and IP65 (IEC 529) 	<ul style="list-style-type: none"> NEMA 4X, 6P, IP67 (IEC529); 1200psi (8270kPa) washdown
Connection	<ul style="list-style-type: none"> Micro QD 	<ul style="list-style-type: none"> Micro QD 	<ul style="list-style-type: none"> Cable: 2m (6.5ft) length 3-conductor PVC 	<ul style="list-style-type: none"> Cable: #22 AWG PVC, 2m (6.5ft) QD: 4-pin DC micro style male receptacle on pigtail
Additional Info	<ul style="list-style-type: none"> See page 3–5 	<ul style="list-style-type: none"> See page 3–8 	<ul style="list-style-type: none"> See page 3–11 	<ul style="list-style-type: none"> See page 3–13