

SonaSwitch®

Series 1650A & 1650S

ULTRASONIC SENSORS

Technical Specifications



RANGE

6" to 10" adjustable; $\pm 0.1\%$ accuracy over entire range at stable temperatures; Switchpoint and analog outputs are temperature compensated.

BEAM ANGLE

15 degree nominal; Single beam, cone-shaped pattern diverges approximately 2.6' as maximum range (10')

REPETITION RATE

10HZ astable; May be extremely triggered.

OUTPUTS

Model 1650S

Two (2) adjustable Form C relay outputs (NO/NC); Relay continuously energized during detection period (Relay contacts rated at .04 amps, 125 VAC resistive or 1.25 amps, 24 VAC resistive).

Model 1650A

One (1) 0-5 VDC or 0-10 VDC 8-bit analog output with fully independent zero and span adjustments over entire operating range.

OPERATING TEMPERATURE

Approximately -40 to 85°C (-40 to 185°F)

ENVIRONMENT

Indoor or protected environments; Highly insensitive to temperature, humidity and pressure changes; Withstands high audio and EMI/RFI levels; Must be protected from excessive moisture in outdoor applications.

SIZE

5.72cm W x 8.89cm H x 2.29cm D
(2.25" W x 3.50" H x .00"D)

WEIGHT

Approximately 7.0 ounces

CASE METERIAL

High temperature electroplated ABS Plastic

POWER REQUIREMENTS

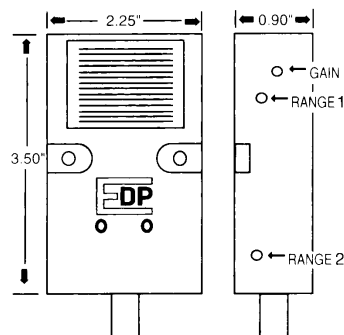
12-30 VDC or 12-24 VAC; 0.15 amps maximum current; 0.08 amps average current

MOUNTING REQUIREMENTS

Two (2) No. 10 (5/32) machine screws mounted flat on 1.85" centers; Supplied with 6' cable

COLOR

Medium blue; Optional colors available



Red	12-30 VDC or
Black	12-24 VAC
White	NO Relay 1
Yellow	Common Relay 1
Orange	NC Relay 1
Blue	Trigger In
Brown	Trigger Source Out
Tan	Ext. Trigger Enable
Violet	NO Relay 2
Gray	Common Relay 2
Pink	NC Relay 2
Green	Common



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