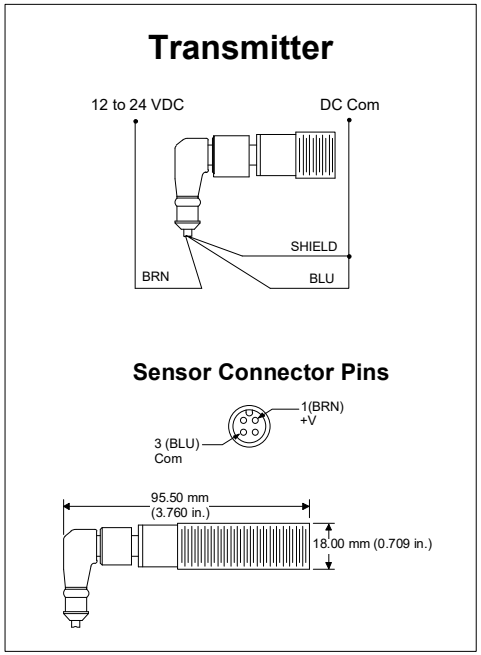
Mounting / Alignment

Mount the sensor so that both transmitter and receiver are aligned opposite each other. The Receiver's amber LED is ON when sonic energy is detected from the transmitter.

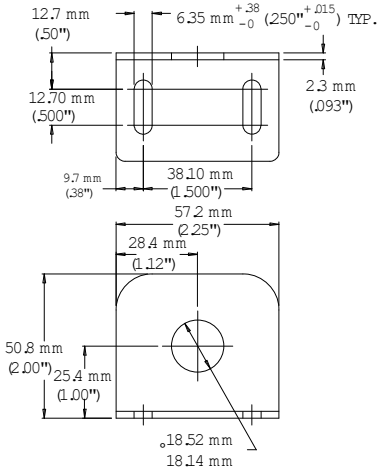
Wiring Connections, Connector Model



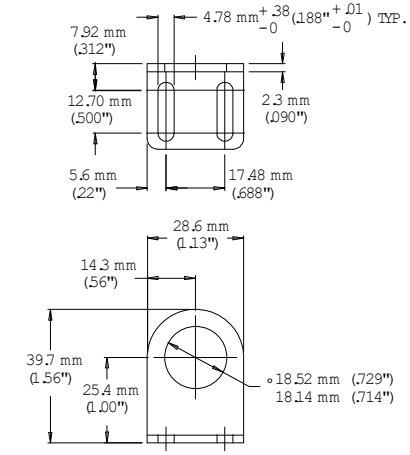
Accessories

Model	XZCPV1241L2	Right Angle Cable, 2-conductor, PVC, 2 meters (6.6 ft.)
Model	XZCPV1141L2	Straight Cable, 2-conductor, PVC, 2 meters (6.6 ft.)
Model	XXZAC226	Conveyor-Rail Clamp/Bracket Set
Model	XXZAC227	Mounting Bracket, Large (AC201 Retrofit)
Model	XXZAC228	Mounting Bracket, Small

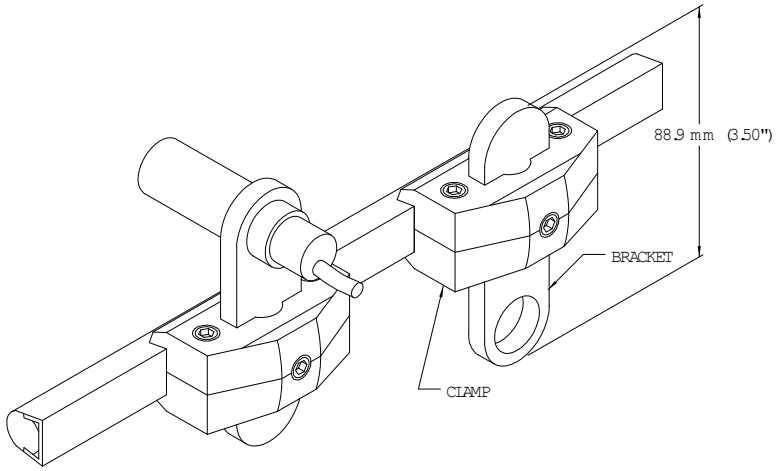
Mounting Bracket Dimensions



AC227



AC228



AC226 (1 CLAMP & 1 BRACKET)

BRU9664501 00
12 - 2024

General Specifications

Power Supply:

Supply Voltage:	+12 to 24 VDC
Transmitter Current:	40 mA max.
Protection:	ESD and reverse-polarity

Temperature:

Operating Temperature:	0°C to 60°C (32°F to 140°F), @ 100% relative humidity
Storage Temperature:	-10°C to 70°C (14°F to 158°F)

Sensing Range: See table in operation figure

Dimensions:

Threads:	18 mm x 1 mm
Length:	64.7 mm (2.55 in.)

Cable: XZCPV1241L2 Rt Angle, 2-conductor, PVC, 2 m (6.6 ft.)
XZCPV1141L2 Straight, 2-conductor, PVC, 2 m (6.6 ft.)
(Must be purchased separately)

Materials:

Housing:	PEI
Transducer face:	Silicone-rubber
Cable:	Non-toxic PVC jacket
LEDs:	Polycarbonate

Environmental Ratings:
NEMA 4X (Indoor Use Only) 5, 12, 12K, 13, and IP67
Installation/Overvoltage Category: II

This Product is UL Listed if powered by a Class II Power Supply and protected by a 2.0A Max UL Listed Fuse

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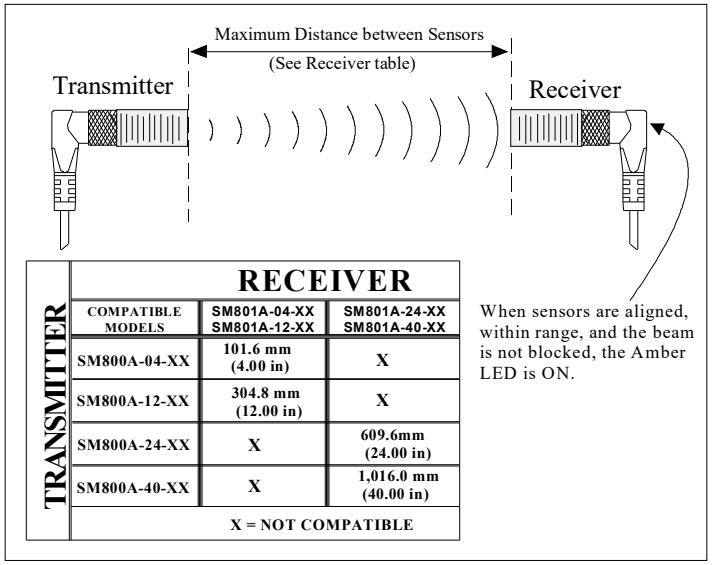
LISTED IND. CONT. EQ. 3KYC SUPPLY CLASS 2 FUSE 2A UL LISTED

Telemecanique Sensors

MICROSONIC®
SM850A1200
18 mm Diameter Thru-Beam Transmitter
Compatible Receiver: SM8X1A-04-XX, SM8X1A-12-XX
Connector Style

OPERATOR INSTRUCTIONS

This ultrasonic, thru-beam transmitter, when paired with a compatible receiver is capable of sensing nearly any object, even transparent materials such as glass, plastic, and clear film. Objects as small as 12.5 mm (0.50 in.) diameter or larger can be detected at speeds in excess of 2000 parts per minute.



TRANSMITTER	RECEIVER	
COMPATIBLE MODELS	SM801A-04-XX SM801A-12-XX	SM801A-24-XX SM801A-40-XX
SM800A-04-XX	101.6 mm (4.00 in)	X
SM800A-12-XX	304.8 mm (12.00 in)	X
SM800A-24-XX	X	609.6mm (24.00 in)
SM800A-40-XX	X	1,016.0 mm (40.00 in)
X = NOT COMPATIBLE		

Figure 1.

Indicator LED's
No LED's on Transmitter.

Literature and application engineering assistance are provided by Telemecanique Sensors and its authorized distributors to aid the customer in selecting the product for an application. The customer is responsible for determining the suitability of the product in the application.

BRU9664501 00
12 - 2024