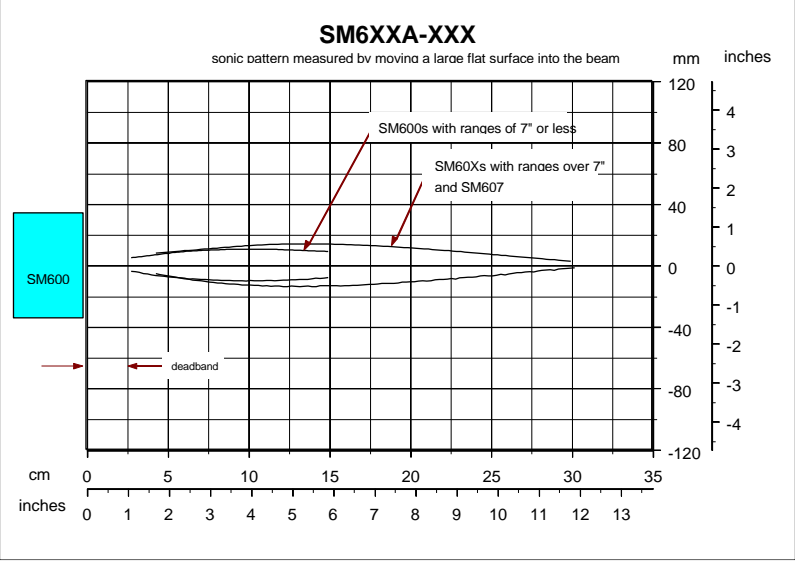


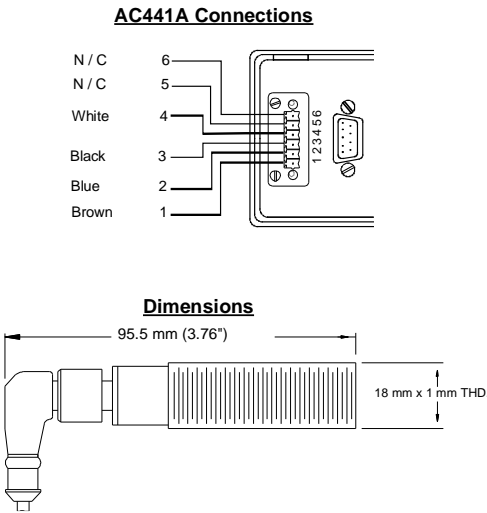
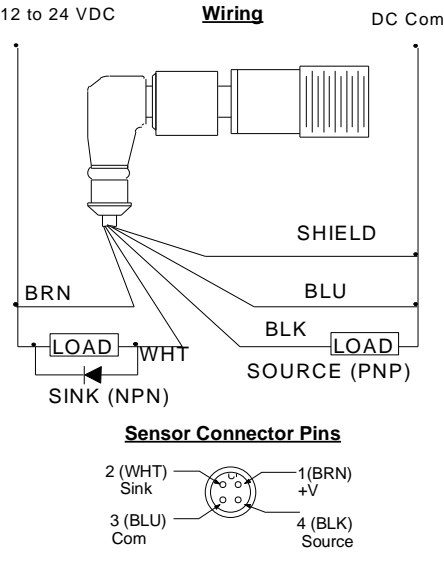
Beam Plot



Mounting / Alignment

Mount the sensor such that the reflective surface of the object to be detected is approximately centered within the sensor’s sensing window. Mount the sensor firmly to avoid vibration. For best results, the sensor face should be parallel to the liquid or material surface and free of air currents.

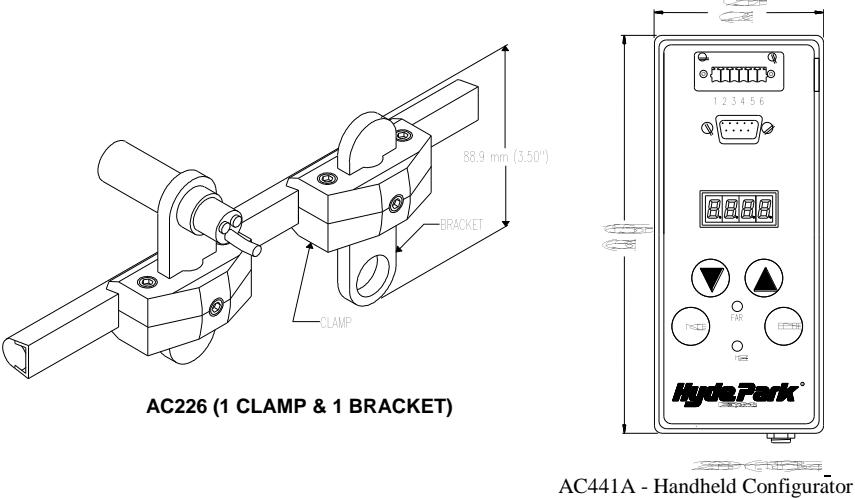
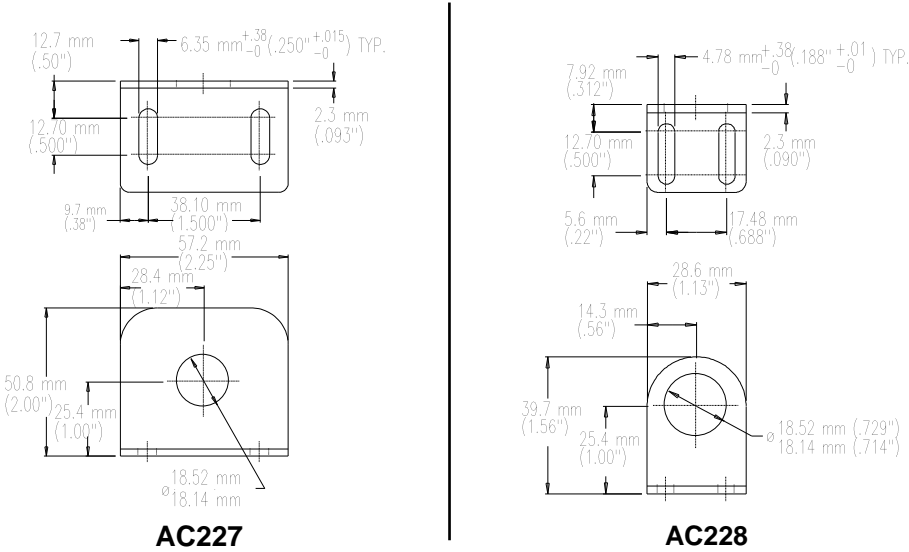
Wiring Connections, Connector Model



Accessories

Model	AC226	Conveyor Rail Clamp/Bracket Set
Model	AC227	Mounting Bracket, Large (ACxxx Retrofit)
Model	AC228	Mounting Bracket, Small
Model	AC240	Mounting Bracket, Flat
Model	AC441A	Handheld Configurator

Accessory Dimensions



## General Specifications

### Power Supply:

Supply:	+12 to 24 VDC @ 50 mA max. (excluding output load)
Protection:	ESD and reverse-polarity

### Sinking Output:

Maximum on-state voltage drop @ 100mA:	1.0 V
Maximum load current:	100 mA
Maximum applied voltage:	30 VDC
Protection:	ESD and over-current

### Sourcing Output:

Maximum on-state voltage drop @ 200mA:	0.9 V
Maximum load current:	200 mA
Maximum output voltage:	Equal to supply voltage
Protection:	ESD and over-current

### Operating Temperature:

@ 12 VDC supply	0 to 60°C (32°F to 140°F) @ 100% relative humidity
@ 24 VDC supply	0 to 50°C (32°F to 122°F) @ 100% relative humidity

### Sensing:

Maximum Far Limit:	254.0 mm (10.00 in.)
Window-edge accuracy:	± 0.69 mm (0.027 in.)
Maximum plane-reflector angle:	± 10°
Sonic Cone Angle:	10° @ 50.8 mm (2.0 in.) total angle
Minimum object size (rod shape):	1.6 mm (0.06 in.) @ 38 mm (1.5 in.) distance

### Sensor Dimensions:

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

### Sensor Cable:

Model No.	AC117 - 5 meters (16 ft.)
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(Must be purchased separately)

### Sensor Materials:

Housing:	PEI
Transducer face:	FDA approved silicone rubber
Cable:	Non-toxic PVC jacket
LEDs:	Polycarbonate

### Sensor Ratings and Approvals:

NEMA 5, 12, 12K, 13, and IP67

Installation/Overvoltage Category:

CE Mark Compliant:

II

Declaration of conformity available upon request.

# SUPERPROX®



## SC660A-B00

### Ultrasonic Proximity Sensor

**18 mm Diameter, Reconfigurable Sensor**

**Maximum Far Limit Distance 254.0 mm (10.00 in.) from Sensor Face**

## OPERATOR INSTRUCTIONS

This self-contained, ultrasonic proximity sensor is capable of sensing most objects within its sensing range (Fig.1). Objects that are transparent, opaque, plastic, glass, metal, liquid or solid can be detected if located within the sensing window. Sensor is reconfigured via the AC441A handheld configurator and SUPERPROX+ configuration software.

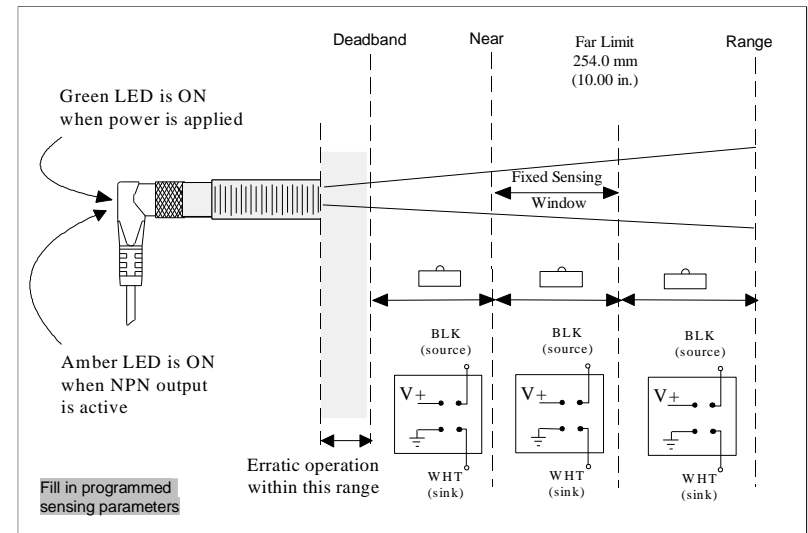


Figure 1

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