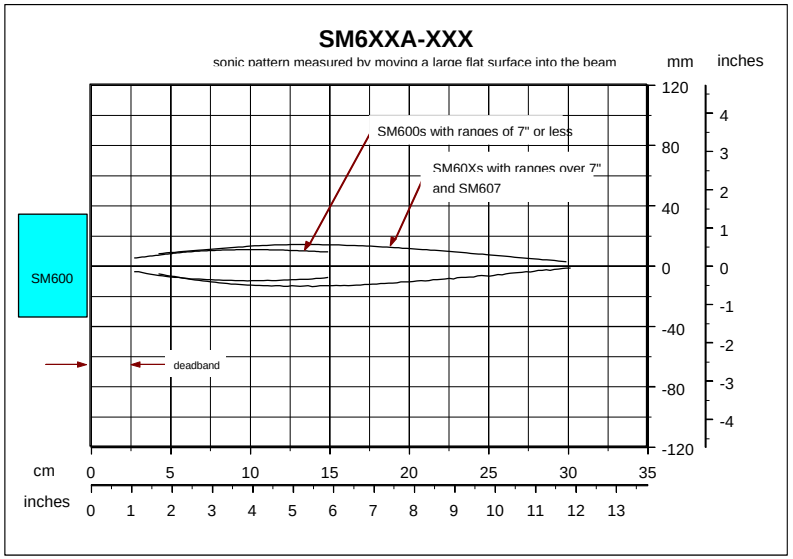
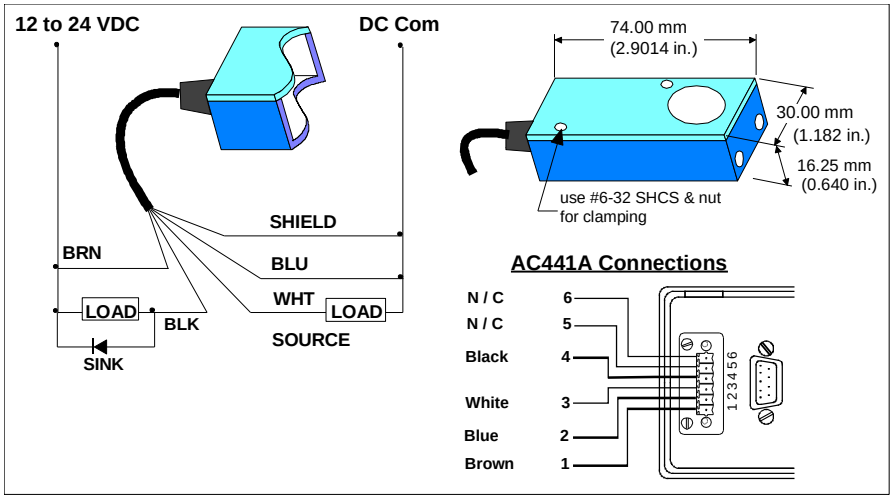
Beam Plot



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.

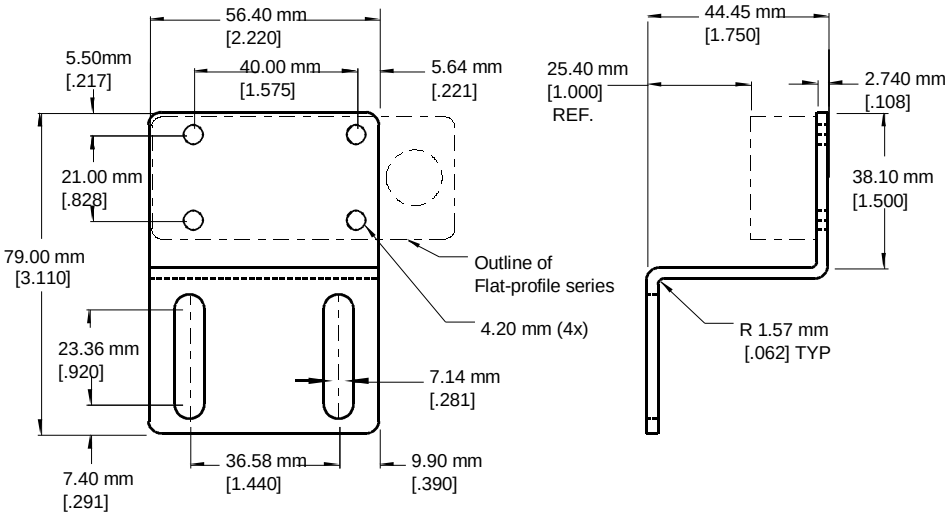
Wiring Connections, Cable Model



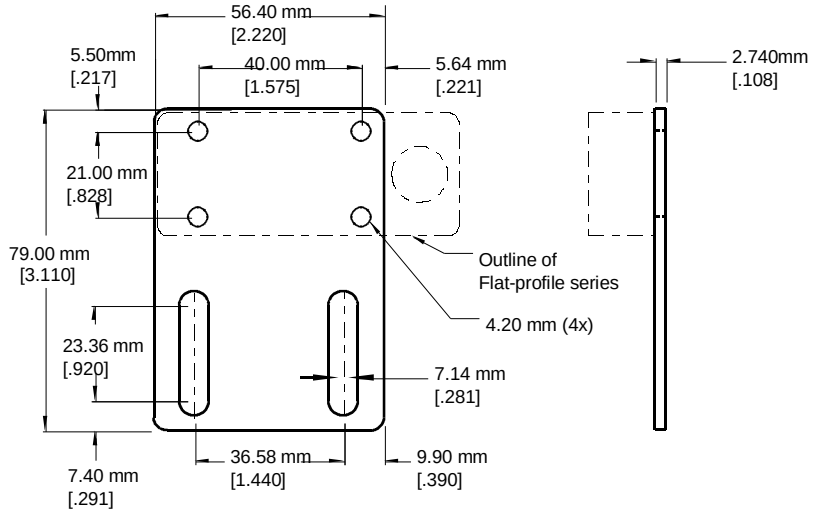
Accessories

Model	AC231	Mounting Bracket, Straight
Model	AC232	Mounting Bracket, S-Shaped

Mounting Bracket Dimensions



AC232



AC231

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: 74.00 mm (2.913) x 30.00 mm (1.182) x 16.25 mm (.640)

Sensor Cable Length: 3 Meters (10 Ft.) Standard

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:	II
CE Mark Compliant:	Declaration of conformity available upon request.

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SUPERPROX®

SC600A-B00FP/30

Flat Profile Configurable Sensor

Maximum Far Limit Distance 254.0 mm (10.00 in.) from Sensor Face
30 foot Cable

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 AC441 handheld configurator and SUPERPROX+ configuration software.

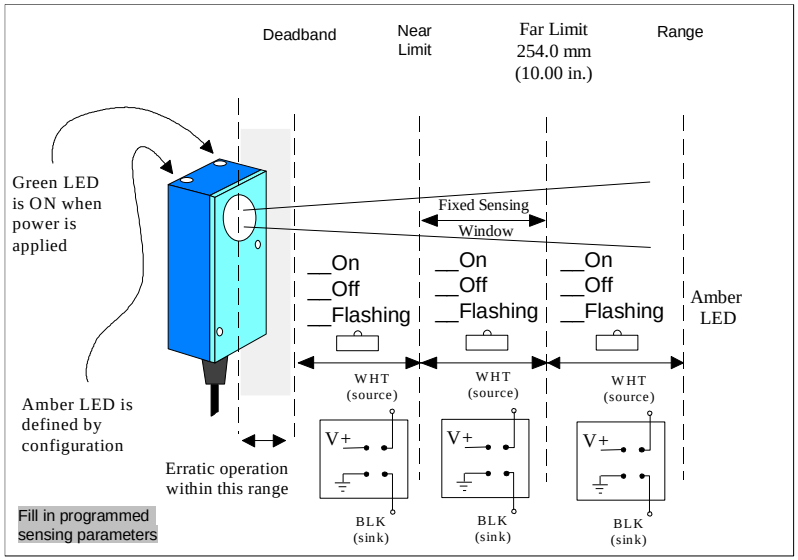

Figure 1

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