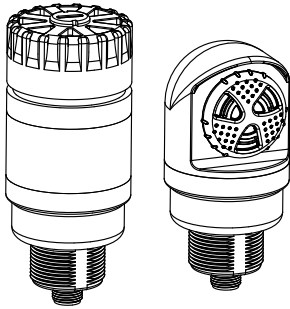


TL50 Audible Indicators

General-purpose audible indicators

For the latest technical information about this product, including specifications, dimensions, and wiring, see www.BannerEngineering.com.



Standard (left) and Sealed Audible models

- Rugged, cost-effective and easy to install
- Compact devices are self-contained — no controller needed
- Immune to EMI and RFI interference
- Choose IP50 or Sealed IP67 model, black or light gray housing
- 18 to 30V dc operation

Selecting the Best Audible Option: Audible measurements are made in the direction sound exits the device. For standard audible models, this is the top of the unit (when mounted vertically, sound is directed toward the ceiling). For sealed audible models, sound exits the vented openings in the side of the unit, which should be oriented so that the sound is directed toward the machine operator(s). In environments with high ambient noise levels or high ceilings that absorb sound, the sealed version is recommended.

Models

Standard Audible Models*	Sealed Audible Models*	Connection	Housing Color	Inputs
TL50AQ	TL50ALSQ	4-pin Euro-style Integral QD connector	Black	Bimodal (NPN or PNP)
TL50ACQ	TL50ALSCQ		Light Gray	

* Integral QD models only are listed; mating cordset required (see [4-Pin Euro-Style Cordsets](#) on page 2):

- For 150 mm PVC pigtail with QD, replace **Q** with **QP** in model number (for example, **TL50AQP**).
- For 2 m (6.5') PVC cable, omit suffix **Q** from model number (for example, **TL50A**).



WARNING: Not To Be Used for Personnel Protection

Never use this product as a sensing device for personnel protection. Doing so could lead to serious injury or death. This product does NOT include the self-checking redundant circuitry necessary to allow its use in personnel safety applications. A sensor failure or malfunction can cause either an energized or de-energized sensor output condition.

Specifications

Supply Voltage

18 to 30V dc (10% maximum ripple) @ 45 mA max.

Audible Alarm Frequency

Standard models: 2.7 KHz ± 500 Hz

Sealed models: 2.9 KHz ± 250 Hz

Audible Alarm Intensity

Standard models: 92 dB @ 1 meter

Sealed models: 94 dB @ 1 meter

Input Response Time

Indicator ON/OFF: 10 ms

Environmental Rating

Standard models: IEC IP50

Sealed models: IEC IP67

Connections

Integral 4-pin, 150 mm PVC pigtail with QD, or 2 m (6.5') integral cable, depending on model

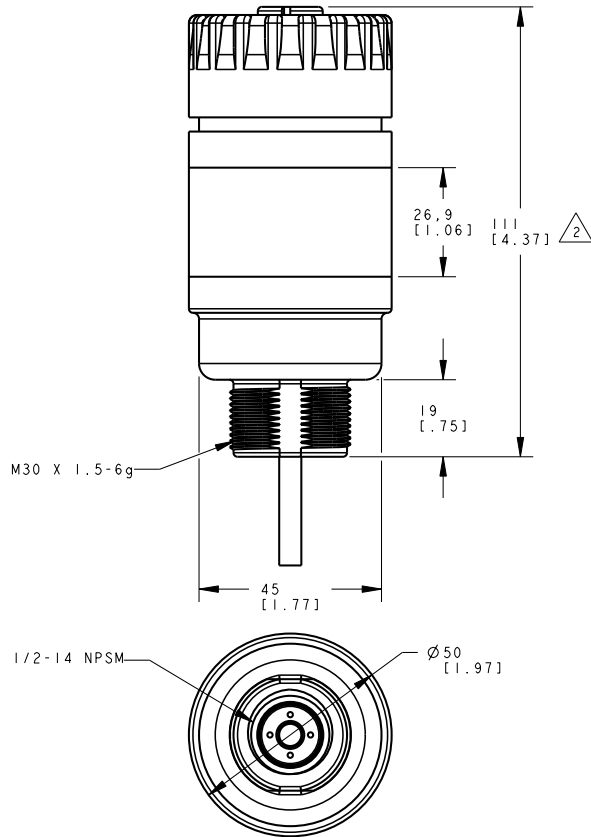
Operating Conditions

-40° to +50° C (-40° to +122° F)

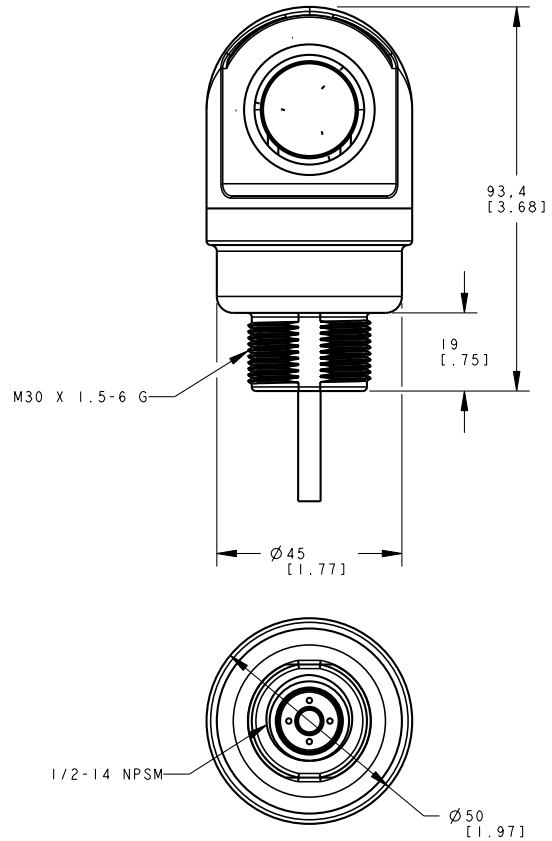
Certifications



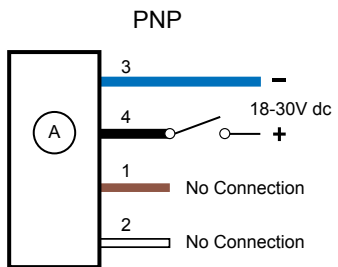
Dimensions — Standard Audible Models



Dimensions — Sealed Audible Models

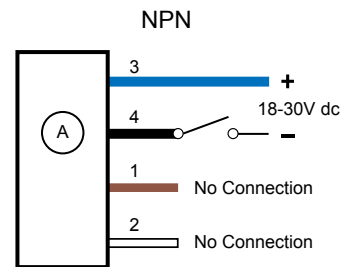


Wiring



KEY

- 1 = Brown
- 2 = White
- 3 = Blue
- 4 = Black



4-Pin Euro-Style Cordsets

4-Pin M12/Euro-Style Cordsets (straight connector)

- MQDC-406, 2 m (6.5')
- MQDC-415, 5 m (15')
- MQDC-430, 9 m (30')

4-Pin M12/Euro-Style Cordsets (right-angle connector)

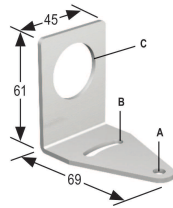
- MQDC-406RA, 2 m (6.5')
- MQDC-415RA, 5 m (15')
- MQDC-430RA, 9 m (30')

Mounting Brackets

All measurements in mm

SMB30A

- Right-angle bracket with curved slot for versatile orientation
- Clearance for M6 (1/4") hardware
- 30 mm mounting hole
- 12-ga. stainless steel

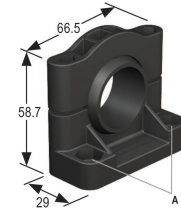


Hole center spacing: A to B=40.0

Hole size: A=∅ 6.3, B=27.3 x 6.3, C=∅ 30.5

SMB30SC

- Swivel bracket with 30 mm mounting hole
- Black reinforced thermo-plastic polyester
- Stainless steel mounting and swivel locking hardware included

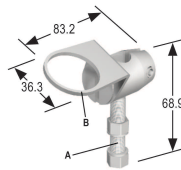


Hole center spacing: A to B=50.8

Hole size: A=∅ 7.0

SMB30FA

- Swivel bracket with tilt and pan movement for precision adjustment
- 30 mm mounting hole
- 12-ga. 304 stainless steel

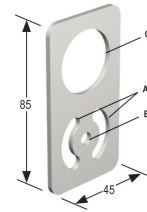


A=3/8 - 16 x 50.8

Hole size: B=∅ 30.1

SMBAMS30P

- Flat SMBAMS series bracket
- 30 mm mounting hole
- Articulation slots for 90+° rotation
- 12-ga. 300 series stainless steel

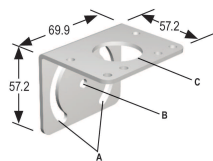


Hole center spacing: A=26.0, A to B=13.0

Hole size: A=26.8 x 7.0, B=∅ 6.5, C=∅ 31.0

SMB30MM

- 12-ga. stainless steel bracket with curved mounting slots for versatility and orientation
- Clearance for M6 (1/4") hardware
- 30 mm mounting hole

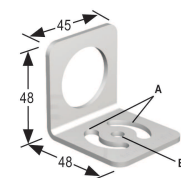


Hole center spacing: A=51.0, A to B=25.4

Hole size: A=42.6 x 7.0, B=∅ 6.4, C=∅ 30.1

SMBAMS30RA


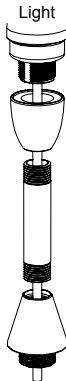


- Right-angle SMBAMS series bracket
- 30 mm mounting hole
- Articulation slots for 90+° rotation
- 12-ga. cold rolled stainless steel



Hole center spacing: A=26.0, A to B=13.0

Hole size: A=26.8 x 7.0, B=∅ 6.5, C=∅ 31.0

Elevated Mount System

Model		Features	Components	
SA-M30TE12		<ul style="list-style-type: none"> Streamlined acetal stand-off pipe adapter/cover Connects between 30 mm light base and ½" NPSM/DN15 pipe Mounting hardware included 		
Stainless Steel	Aluminum	<ul style="list-style-type: none"> Elevated-use stand-off pipe (½" NPSM/DN15) Polished 304 stainless steel or anodized aluminum surface ½ NPT thread at both ends Compatible with most industrial environments 		
SOP-E12-150SS 150 mm (6") long	SOP-E12-150A 150 mm (6") long			
SOP-E12-300SS 300 mm (12") long	SOP-E12-300A 300 mm (12") long			
SOP-E12-900SS 900 mm (36") long	SOP-E12-900A 900 mm (36") long			
SA-E12M30		<ul style="list-style-type: none"> Streamlined acetal mounting base adapter/cover Connects between ½" NPSM/DN15 pipe and 30 mm (1-3/16") drilled hole Mounting hardware included 		

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Warranty: Banner Engineering Corporation warrants its products to be free from defects for a period of one year. Banner Engineering Corporation will repair or replace, free of charge, any product of its manufacture found to be defective at the time it is returned to the factory during the warranty period. This warranty does not cover damage or liability for the improper application of Banner products. This warranty is in lieu of any other warranty either expressed or implied.