HORN

S-C8055

S-C7055

DESCRIPTION

The S-C8055 and S-C7055 Horns are audible signal appliances listed according to UL 464 (10th Edition) for indoor use. The temporal tone generated by the horn portion is designed as per ANSI and NFPA72 for standard emergency evacuation signaling requirement. The horn has the feature that can synchronize multiple horns in a complete fire alarm system.

ATTENTION

The product must be used within its published specifications and properly installed, operated, and maintained, in accordance with these instructions. Users are solely responsible for determining whether a product is suitable for the user's purposes or achieves the intended results. Read the instructions carefully before using this product. Failure to comply with any of the instructions, cautions, and warnings could result in improper application, installation and/or operation of these products in an emergency situation.

NOTE

Do not paint this device. Any material extrapolated from this document or from SHIELD's instructions or other documents describing the product for use in promotional or advertising claims, or for any other use, including description of the product's application, operation, installation, and testing is the sole responsibility of the user. SHIELD will not assume any liability for such use. In no case will SHIELD's liability exceed the purchase price paid for a product.

SIGNALING UL LISTED

SPECIFICATION

Operating Voltage	Regulated 16 to 33 Vdc/fwr			
RMS Operating Current (mA)	DC	35		
	FWR	47		
Sound Level (dBA)	Voltage	16V	24V	33V
	Reverberant	80	82	85
	Anechoic	85	89	91
Directional Characteristics	Horizontal Axis	Angle		OSPL (dBA)
		0° (ref)		0 (ref)
		± 44°		-3
		± 54°		-6
		± 90°		-10.5
	Vertical Axis	Angle		OSPL (dBA)
		0° (ref)		0° (ref)
		± 52°		-3
		± 55°		-6
		± 90°		-12
Operating Temperature	0° C to 49° C			
Operating Humidity	0 to 93% RH			
Horn Pattern	Temporal 3			
Wire Size	12 to 18 AWG			
Location	Indoor wall/ceiling			

INSTALLATION and WIRING

CAUTION

- To avoid electrocution that could result in personal injury or death, remove all sources of power and allow 10 minutes to discharge stored energy prior to installing or removing equipment. Install this device in accordance with all applicable codes and theLocal Authorities Having Jurisdiction.
- Electrical supervision requires breaking the wire run at each terminal. Do not loop the signaling circuit field wires around the terminals.
- Check the manufacturer'sinstallation instructions for other equipment usedin the system for any guidelines or restrictions on wiring and/or locating NACs and notification appliances. Some system communication circuits and/or audio circuits, for example, may require special precautions to assure electrical noise immunity (e.g., audio crosstalk).
- Check that the installed product will have sufficient clearance and wiring room prior to installing bases. Do not over tighten mounting screws as this can deform the base and may affect operation.

INSTALLATION and WIRING

1. Mount the S-C8210 / S-C8211 base onto a 4x4 electrical box, see Figure 1.

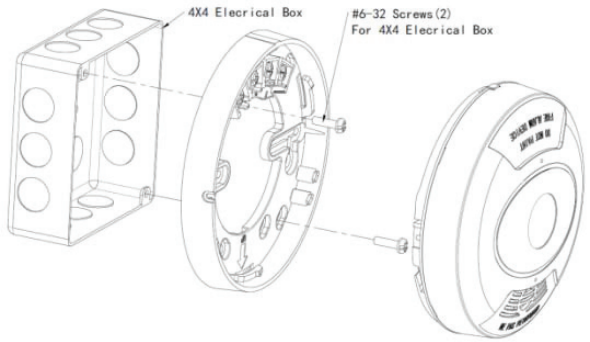


Figure 1. Base Installation

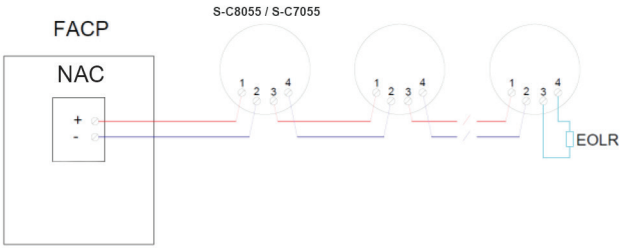


Figure 2. Wiring Diagram with FACP

2. Combine the horn with base –Align the horn onto the base then twist it in clockwise.

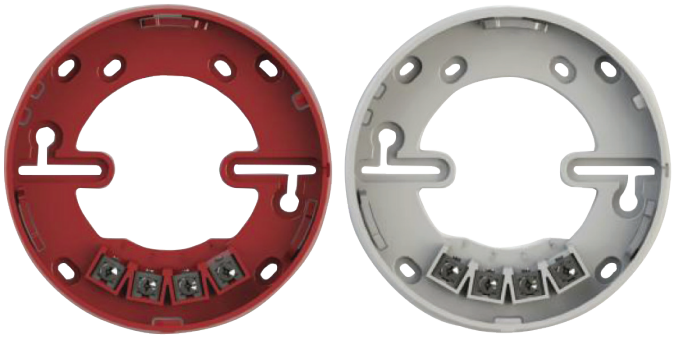
3. Test for proper operation. Initiate the horn from FACP and observe for proper operation.

MAINTENANCE

Scheduled inspection and operational test should be carried as per requirement set out by Local Authority Having Jurisdiction.

Return the device for reparation if it fails to alarm during testing. Do not disassemble the detector without permission.

Base



S-C8210 S-C8211

The S-C8210 and S-C8211 bases are designed for use with the notification appliances S-C8055, S-C8056, S-C8057 & S-C7055, S-C7056, S-C7057 respectively.

SPECIFICATION

Diameter	5.51 inch (140 mm)
Height	0.71 inch (18 mm)
Weight	2.50 oz (70.8 g)
Wiring Gauge	12 to 18 AWG

Caution: Do not over tighten the terminal screws to avoid deforming the base which may affect the detector efficiency.

SIGNALING UL LISTED

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