

Description

The horn/strobes are UL and cUL Listed, high quality, diode polarized signals intended for use in general signaling applications. The strobes flash at 1 fps across their full operating voltage range.

It is recommended that these products be installed in accordance with the requirements in the latest edition of national and local electrical codes.

See Tables 1 and 2 for specifications.

Table 1. Electronic Horn/Strobes

Description	Catalog Number
Horn/Strobe, Gray, Flush or Panel Mount Indoor	869DSTR*-G1

*Insert lens color: C - Clear, R - Red, G - Green, B - Blue or A - Amber

Installation



WARNINGS

To reduce the risk of shock, always disconnect all power before handling the unit.

To reduce the risk of shock, do not tamper with this device when the signal circuit is energized. Disconnect all power and wait 5 minutes for stored energy to dissipate before handling.

1. Select mounting method as detailed in Figure 1 and install the electrical box (not supplied) using suitable hardware.

- a. For outdoor applications, install the weatherproof box (ordered separately) using four #10 x 1 1/4" (32 mm) screws and cap lugs provided in the enclosed parts bag.

NOTE: Be sure hook flange is facing outward as shown in Figure 1.

NOTE: The designation "TOP" on boxes denotes orientation of box after installation.

2. Attach mounting plate using two #8-32 screws provided with the surface box (ordered separately) or four #8-32 screws provided with the weatherproof box (ordered separately). The flush box uses two #8-32 screws (not provided).

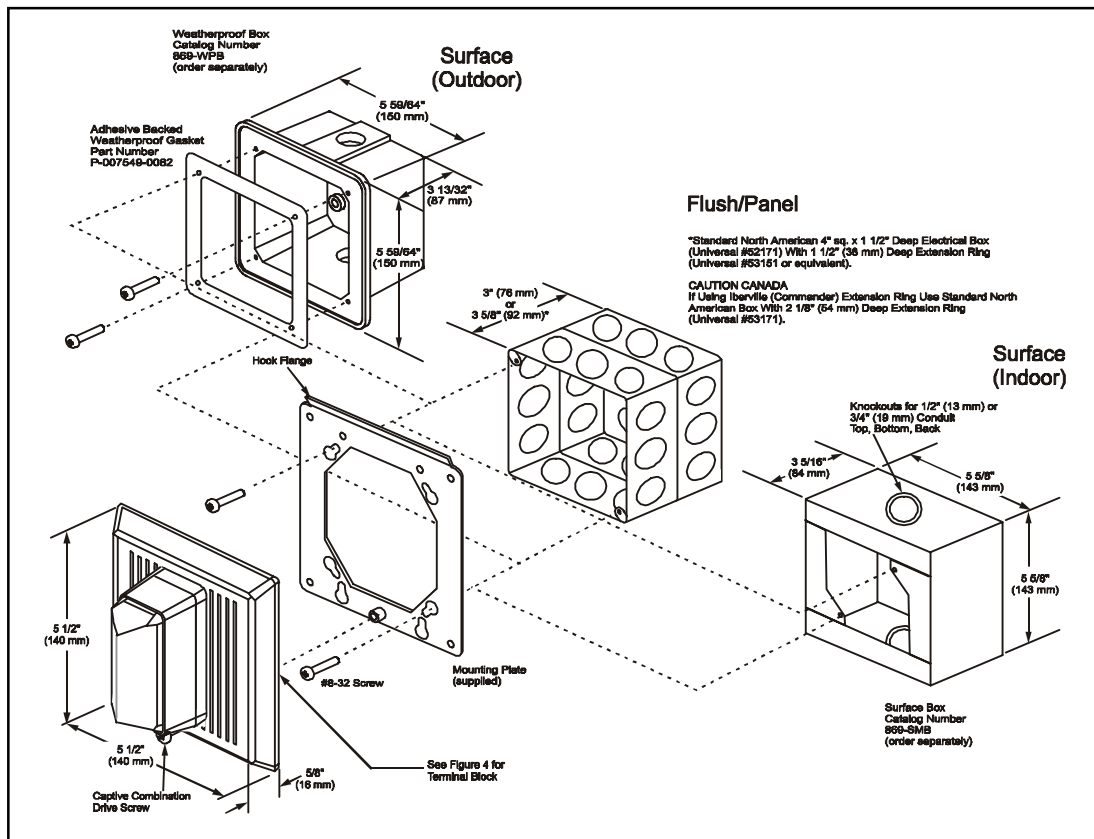


Figure 1. Detailed View

3. Bring signaling circuit field wiring into electrical box.
 4. Ground in accordance with national and local electrical codes. A green ground screw is provided with both the indoor and outdoor surface boxes.
 5. Connect signaling circuit field wires to terminals on horn/strobe assembly (Figures 2-4).
 6. Mount the horn/strobe assembly on the mounting plate (Figure 1).
 - a. The inside of the top of the grille has hinges that pass through cutouts and engage with tabs on the mounting plate. With the bottom of the grille lifted out slightly, place the grille over the mounting plate so that the hinges of the grille are in the mounting cutouts.
 - b. Properly seat the grille by pressing the bottom in.
 - c. Fasten the bottom of the grille to the mounting plate by installing the captive combination drive screw.
7. Apply power and activate the horn/strobe unit to verify that it is operating properly.

Maintenance

⚠ CAUTION

Should the unit fail to operate properly, do not attempt repair. Contact the supplier for replacement.

Perform a visual inspection and an operational test twice a year.

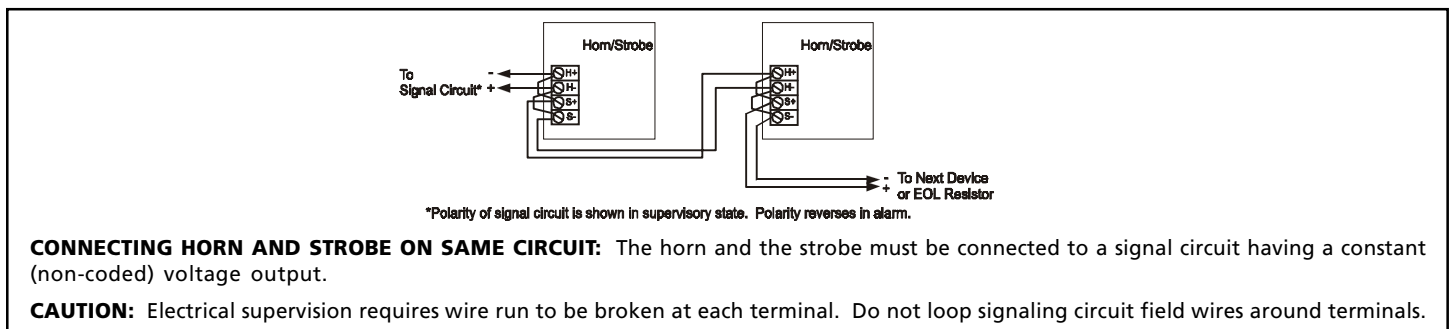


Figure 2. Wiring the Horn and Strobe on the Same Circuit

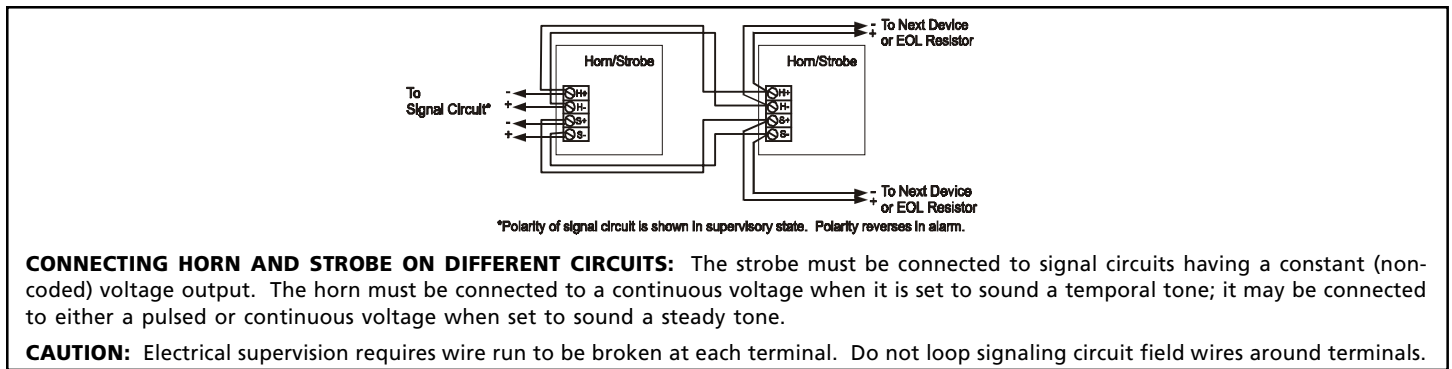


Figure 3. Wiring the Horn and Strobe on Different Circuits

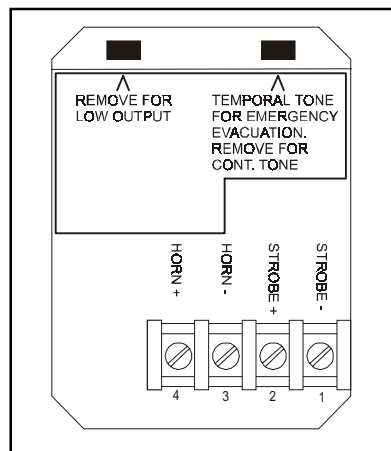


Figure 4. Terminal Block

Table 2. Specifications

Operating Voltage	24V DC
Operating Current - Horn*	20 mA (low volume) @ 20 to 24V DC 40 mA (high volume) @ 20 to 24V DC
Average Operating Current - Strobe*	105 mA @ 24V DC
Flash Rate (per second)	approx. 1 fps
Sound Level Output at 10 ft. (3.05 m) Anechoic Chamber	98 dBA peak (low volume) 102 dBA peak (high volume)
Operating Environment Indoor	85% relative humidity @ 86F (30C); 32 to 120F (0 to 49C) variable ambient temperature
Outdoor	95% relative humidity @ 86F (30C); -31 to 150F (-35 to 66C) variable ambient temperature

*Horn and strobe currents are additive when connected in parallel.

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