APPLICATION

The WH Vibrating Horn Signal is used for code or call signals, or as a general alarm in a signal system that might involve hours of continuous operation. These signal devices can be placed in non-hazardous atmospheres of industrial areas such as warehouses, yards, exteriors of buildings, and in-plant areas. Signals are typically mounted on walls or other flat surfaces with projectors aimed in the desired direction.

To accommodate outdoor use, the joint of the WH assembly is raintight between the body and horn. Horns are available with a flush mount grill or single or double projector.

INSTALLATION

**WARNING**

To prevent electrical shock, all power must be turned off before and during installation and maintenance.

1. Mount assembly securely in the desired location with the tapped conduit entrance on the top end using two bolts or screws through the mounting holes. Mount on a flat surface with the projector aimed in the desired direction. Figure 1 provides mounting pattern and hole size as well as overall dimensions for grill, single and double projector types.
2. Install conduit into and then remove either grill or projector from back box and set aside. Pull all wires through the conduit system and into back box. Connect the power unit wire leads to the incoming power source with wire connectors. Make proper ground connection using green wire lead.

**WARNING**

Assembly must be securely attached into a permanently grounded system in accordance with Article 250 of the National Electrical Code® (NEC).

3. For Grill Type Horn Signals Only:

Mount the power unit to the back box using two #8-32 slotted, oval head machine screws in the larger size clearance holes at opposite corners. To minimize entry of foreign materials and moisture into the housing, install two #8-32 x 5/8" Phillips head, taprite screws in the holes opposite the power unit mounting screws. Connect all wiring from the power source to the proper terminations following your system wiring pattern in accordance with NEC. Secure grill with screws provided.

4. For Single or Double Projector Type Horn Signals:

Mount the power unit and projector on the back box using two #8-32 slotted, oval head machine screws in the larger size clearance holes at opposite corners. Install two #8-32 x 5/8" Phillips head, taprite screws in the holes opposite the projector screws to minimize entry of foreign materials and moisture into the housing. Connect all wiring from the power source to the proper terminations following your system wiring pattern in accordance with NEC. Secure projector with screws provided.

MAINTENANCE

**WARNING**

Always disconnect primary power source before opening housing for inspection or service.

1. Frequent inspection should be made. A schedule for maintenance checks should be determined by the environment and frequency of use. It is recommended that it be at least once a year.
2. Perform visual, electrical and mechanical checks on all components on a regular basis.
   - Visually check for undue heating evidenced by discoloration of wires or other components, damage or worn parts, or leakage evidenced by water or corrosion in the interior.
   - Electrically check to make sure all connections are clean and tight.
   - Mechanically check that all parts are properly assembled.

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DIMENSIONS (in inches)

Figure 1.