Introduction

Safety Precautions

This manual provides step-by-step instructions for installing and using TekTone's SI004 Area of Rescue Lighted Sign. Please observe the following safety precautions.

1. Important: Please take all precautions against high voltage shock. This is a mains powered unit.

2. Cap unused wires with enclosed wire nuts or other approved method.

3. Disconnect AC power before servicing and installation.

4. Make sure wire terminations are secure and leads are properly tucked into appropriate wire channels.

5. Do not use outdoors.

6. Equipment should be mounted securely in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.

7. Do not mount near gas or electric heaters.

8. Do not use this equipment for anything other than its intended use.

9. The use of accessory equipment not recommended by the manufacturer will void product listing and warranty and may cause an unsafe condition.

10. Consult local building code for approved wiring and installation.

11. Use caution when servicing batteries.

12. Any service on this equipment should be performed by qualified personnel only.

Theory of Operation

Area of Rescue systems provide communication between a main area (such as a lobby) and stairwells designed to provide safety until help arrives. To provide direction to these areas, the Americans with Disabilities Act (ADA) requires signage. that conforms to the ADA Accessibility Guidelines for Buildings and Facilities. The SI004 Lighted Sign meets the ADA signage requirements. In addition, the SI004 includes battery-powered emergency lights that turn on for approximately 90 minutes during power outages. (It is a common procedure for life safety personnel to disconnect power upon arriving on the scene.)

Features

- Ceiling or wall mounted
- Two movable emergency lights
- Battery backup (approximately 90 minutes)
- Backlit by red LEDs
- Test button to check battery charge and emergency light(s)

Components

What's in the Box

The following is included in your package:

- SI004 Area of Rescue Lighted Sign
- Battery
- Mounting hardware
  - Junction box (J-Box) bracket
  - Two Phillips-head screws
  - Canopy
  - Three 20-inch, 18-gauge wire leads: red, white and black
  - Three wire nuts

Supplied by Installer

- Octagonal or round junction box (J-Box)

Installation Instructions

Ceiling or Side Mount Installation

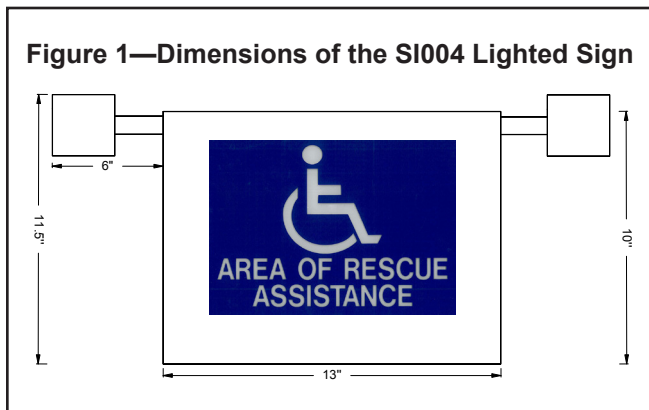Please follow these steps to attach the SI004 sign to the ceiling.

1. Connect 20-inch jumper leads to AC input leads in J-Box. See *Figure 2*.

2. Fasten J-Box bracket to J-Box.

3. Use black wire for 120V or red wire for 277V. Use **only** one supply voltage.

4. White wire is common.

5. Fasten canopy to J-Box bracket.

6. Snap housing onto canopy.

7. Connect and trim input leads to emergency light leads at upper left corner of housing wire channel.

8. Cap unused wires with enclosed wire nuts or other approved method.

9. Connect battery only after continuous AC power can be provided to the unit.

10. Remove proper directional chevron knockout(s) as required. **Caution**: use fingers only to depress the knockouts when removing. Using a sharp object may damage the insert.

11. Attach faceplate to housing.

Wall Mount Installation

Please follow these steps to install the SI004 sign on the wall.

1. Connect 20-inch jumper leads to AC input leads in J-Box. See *Figure 2*.

2. Fasten J-Box bracket to J-Box.

Figure 1—Dimensions of the SI004 Lighted Sign

6"

11.5"

10"

13"

AREA OF RESCUE ASSISTANCE

3. Use black wire for 120V or red wire for 277V. Use *only* one supply voltage.

4. White wire is common.

5. Remove necessary knockouts and fasten back cover to J-Box cover.

6. Snap housing onto back cover.

7. Connect and trim input leads to emergency light leads at upper left corner of housing wire channel.

8. Cap unused wires with enclosed wire nuts or other approved method.

9. Connect battery only after continuous AC power can be provided to the unit.

10. Remove proper directional chevron knockout(s) as required. **Caution**: use fingers only to depress the knockouts when removing. Using a sharp object may damage the insert.

11. Secure faceplate to housing.

Connecting the Remote Emergency Lights

1. Connect yellow and purple wires for remote emergency light(s), if not already attached.

2. Route wires outside of fixture separately, or with AC supply wires.

3. Make sure to keep all wires out of the way of the *Area of Rescue Assistance* text to prevent shadows.

Figure 2—SI004 Lighted Sign Wiring

White Wire from transformer (Common)
Black Wire from transformer (120VAC)
Red Wire from transformer (277VAC)

Remote Emergency Light

Remote Emergency Light

Yellow Wire (+)
Purple Wire (-)

Yellow Wire (+)
Purple Wire (-)

L1 -   L1 +   L2 +
L2 -

Battery

Transformer

Main Board

IL893 AoR Sign Wiring Rev0 010510.dc