

### Introduction

This document contains mounting and wiring instructions for the Area of Rescue Remote Call Station. The AOR Remote Call station alerts the caller in the event of an emergency using both audio and visual indications. The AOR remote call station features a large red industrial grade mushroom button, which is easily identified as an emergency button.

### Mounting instructions

Note: Locate no higher than 48 in. (1.2 m) above the finished floor for a forward reach; and 54 in. (1.27 m) for a side reach. Refer to The Americans with Disabilities Act Accessibility Guidelines for more information.

1. Position the back box on the wall for mounting and mark the locations for the mounting screws. Use Figure 1 as a reference.
2. Drill holes in the wall to fit .25 in. diameter hardware. Tighten the screws, leaving a gap from the seated position of each screw.
3. Mount the back box on the wall and secure the screws.
4. Secure the door with the supplied security screws and the bit.
5. Screw on the mushroom button cap. Install the mushroom button with permanent thread lock or using a cyanoacrylate adhesive.
6. Replace the lift-away door.

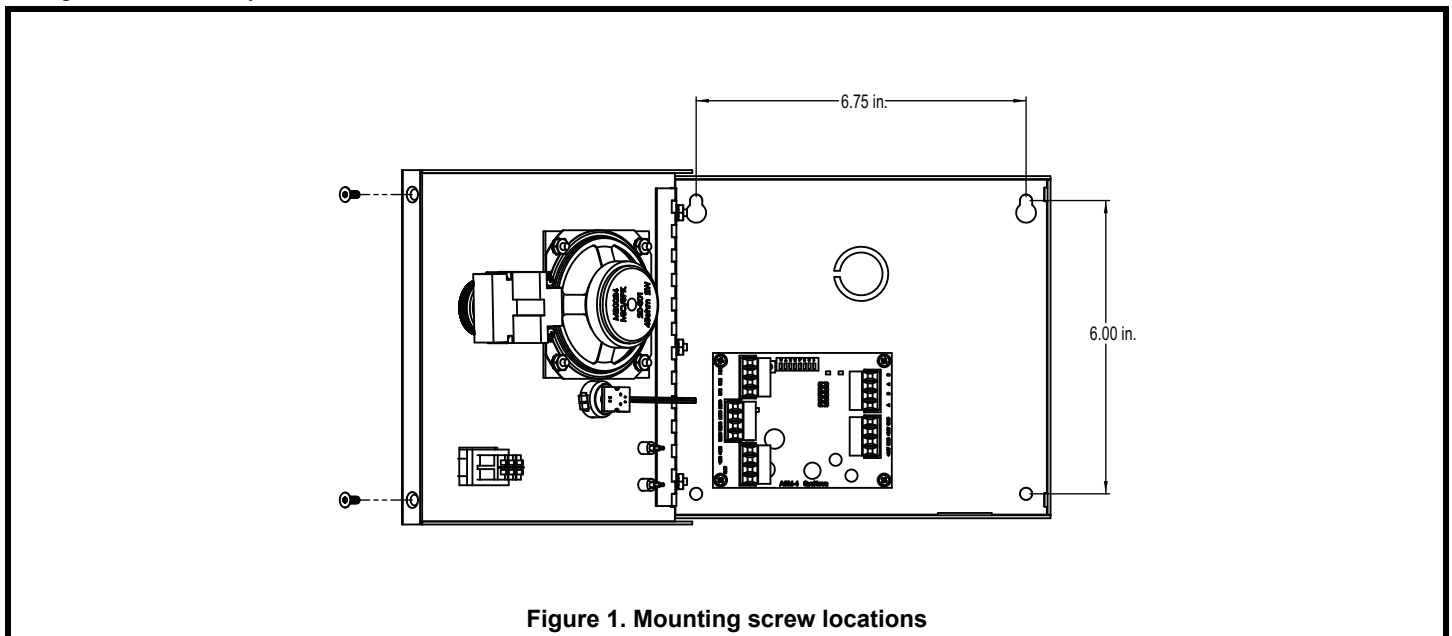


Figure 1. Mounting screw locations



**IMPORTANT.** When the notification appliance emits light or sound, it indicates the possibility of an emergency situation that requires immediate attention of all occupants



**LOCATION REFERENCE.** Location and quantity of Appliances required must conform to the applicable local standards and guidelines (the National Fire Alarm and Signaling Code (NFPA 72); ULC Standard CAN/ULC-S524, Installation of Fire Alarm Systems; the appropriate model building codes, etc.) and specific requirements of the Local Authority Having Jurisdiction (AHJ). These Notification Appliances are not intended for installation within hazardous locations as defined by the National Electrical Code (NEC) or NFPA.



**SAFETY.** Always install, maintain, and test Notification Appliances within their specifications. Failure to follow all safety precautions and instructions may result in loss of life and property due to non-functioning Notification Appliances. Some Notification Appliances use high voltage. To avoid electrical hazards and avoid damage to appliances, make sure that the electrical power for the Notification Appliance Circuit is disconnected at the control panel before installing, repairing, or internally adjusting any Notification Appliances. Even with electrical power removed, some Notification Appliances (such as visible strobes) store a high voltage charge. The high voltage can cause injury resulting in death from electrical shock. **DO NOT TOUCH EXPOSED CIRCUITRY.**

## Setting the module address

Use SW-1 to set the device address to the value assigned in the FACU programmer. From left to right (see Figure 2 below) these switches are designated as SW1-1 through SW1-8. The default configuration of address 3 is shown in Figure 2, but possible addresses are 3-33. Addresses 1 and 2 are not used. The last switch is the EOL. On the last device switch 1 should be in the OFF position.



Figure 2. Address dip switch

Address	SW 2-2	SW 2-3	SW 2-4	SW 2-5	SW 2-6	SW 2-7	SW 2-8
3	ON	ON	ON	ON	ON	OFF	OFF
4	ON	ON	ON	ON	OFF	ON	ON
5	ON	ON	ON	ON	OFF	ON	OFF
6	ON	ON	ON	ON	OFF	OFF	ON
7	ON	ON	ON	ON	OFF	OFF	OFF
8	ON	ON	ON	OFF	ON	ON	ON
9	ON	ON	ON	OFF	ON	ON	OFF
10	ON	ON	ON	OFF	ON	OFF	ON
11	ON	ON	ON	OFF	ON	OFF	OFF
12	ON	ON	ON	OFF	OFF	ON	ON
13	ON	ON	ON	OFF	OFF	ON	OFF
14	ON	ON	ON	OFF	OFF	OFF	ON
15	ON	ON	ON	OFF	OFF	OFF	OFF
16	ON	ON	OFF	ON	ON	ON	ON
17	ON	ON	OFF	ON	ON	ON	OFF
18	ON	ON	OFF	ON	ON	OFF	ON
19	ON	ON	OFF	ON	ON	OFF	OFF
20	ON	ON	OFF	ON	OFF	ON	ON
21	ON	ON	OFF	ON	OFF	ON	OFF
22	ON	ON	OFF	ON	OFF	OFF	ON
23	ON	ON	OFF	ON	OFF	OFF	OFF
24	ON	ON	OFF	OFF	ON	ON	ON
25	ON	ON	OFF	OFF	ON	ON	OFF
26	ON	ON	OFF	OFF	ON	OFF	ON
27	ON	ON	OFF	OFF	ON	OFF	OFF
28	ON	ON	OFF	OFF	OFF	ON	ON
29	ON	ON	OFF	OFF	OFF	ON	OFF
30	ON	ON	OFF	OFF	OFF	OFF	ON
31	ON	ON	OFF	OFF	OFF	OFF	OFF
32	ON	OFF	ON	ON	ON	ON	ON
33	ON	OFF	ON	ON	ON	ON	OFF

Figure 3. Switch address configurations

## Specifications

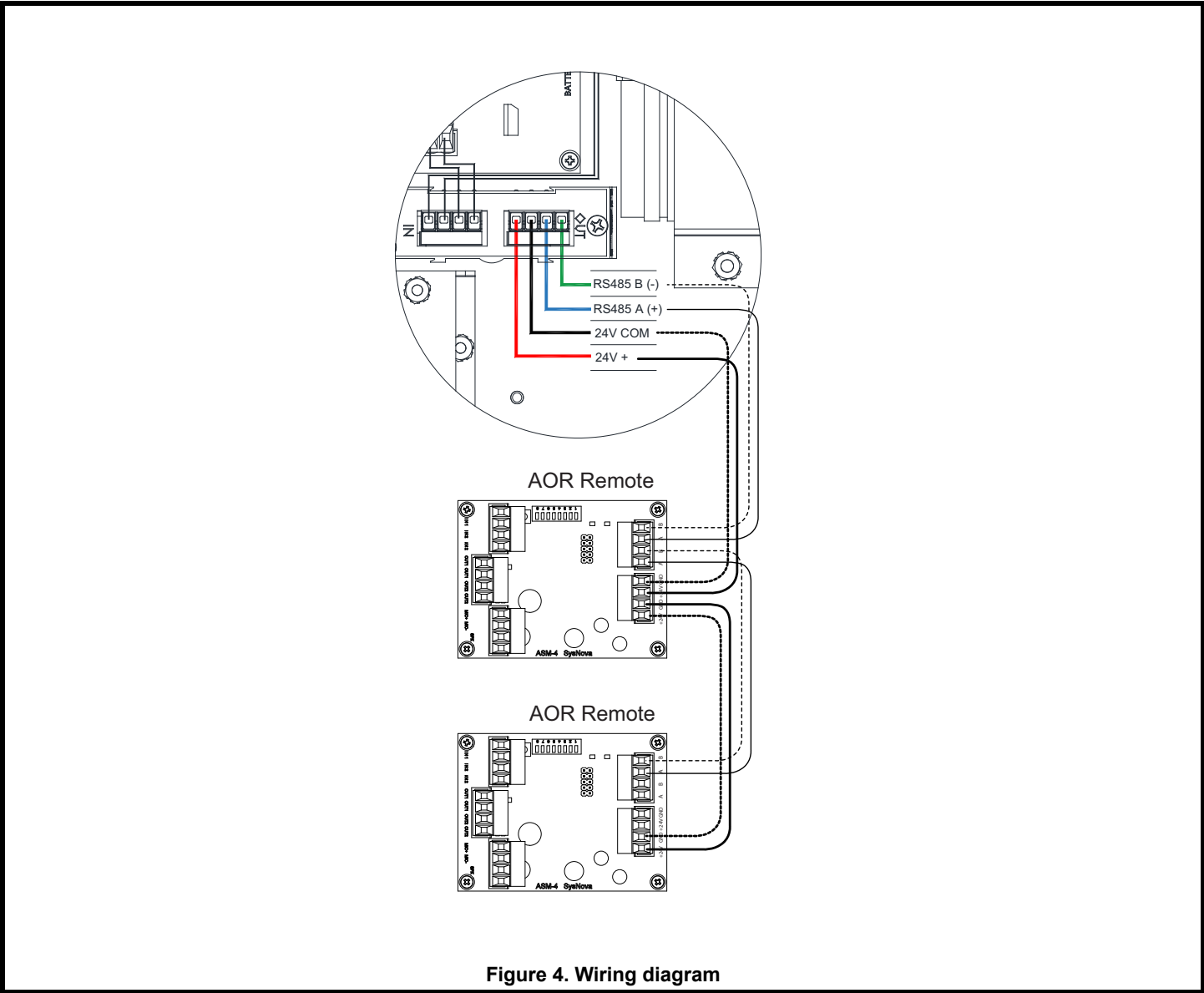
Refer to the following wiring and power specifications:

**Table 1: Specifications**

<b>Power Requirements</b>	
Current Draw	Startup: 39 mA
	Standby: 15 mA
	Alarm: 74 mA
<b>Environmental Specifications</b>	
Operating Temperature	32° F to 120° F (0° C to 49° C)
Humidity	Up to 93% relative humidity at 90° F (32° C)
<b>Wiring Specifications</b>	
Wiring Distance	Total of 4000 ft from command panel to last Area of rescue device. Class B. Last device.
Wiring	4 wire operation 1 twisted pair 18AWG for 24 VDC 1 twisted pair 20 AWG for RS-485 communication May use any plenum for FPLR rated wire

**Wiring instructions**

Refer to Figure 3 to wire an AOR Remote Call station to a Command Panel.



**Figure 4. Wiring diagram**