



DESCRIPTION

The Remote Audio enclosure (See Exhibit 1) is designed to house up to five voice evacuation system amplifiers. The enclosure allows the voice evacuation system amplifiers to be strategically located near the areas that they serve, thus reducing the wire length of the speaker circuits.

The enclosure is made of 18 gauge steel with a baked on enamel finish (red or black). It is designed so that it can be surface or flush mounted to the wall. Numerous conduit knockouts are provided on all four sides of the enclosure to allow easy access to the cabinet during system installation. Threaded press-studs are supplied in the enclosure back-box for easy installation of electronic components (i.e., amplifiers and transformers). The removable exterior door is hinged on the left side of the back-box and is equipped with a key-lock to prevent unauthorized access to system components.

ENCLOSURE CAPACITY

The enclosure can house the following system components:

- Amplifier Card, P/N 10-2726 (qty. 5)
- Amplifier Transformers (qty. 10)
- Two 18 AH batteries (maximum)

Note: Two 18 AH batteries will provide battery backup for up to three amplifiers. A separate battery enclosure (P/N 10-2154) and a second set of 18 AH batteries must be installed if more than three amplifier cards are required. Battery enclosure must be installed within 15 feet (3 m) of the amplifier enclosure and wiring must be installed in conduit.

ENCLOSURE ORDERING OPTIONS

Part Numbers: 10-2755-C

C = enclosure color (Red or Black)

The following parts are supplied with the enclosure:

- | | |
|----------|---|
| 02-12014 | Hardware Kit (qty. 3) |
| 02-12025 | Key (qty. 1) |
| 4153-142 | Lock Washer, #6 (qty. 2) |
| 02-1361 | 6-32 Hex Nut (qty. 2) |
| 02-4992 | Ground Wire (qty. 1) |
| 02-4035 | Nut and star washer kit
(contains 20 nuts and washers) |

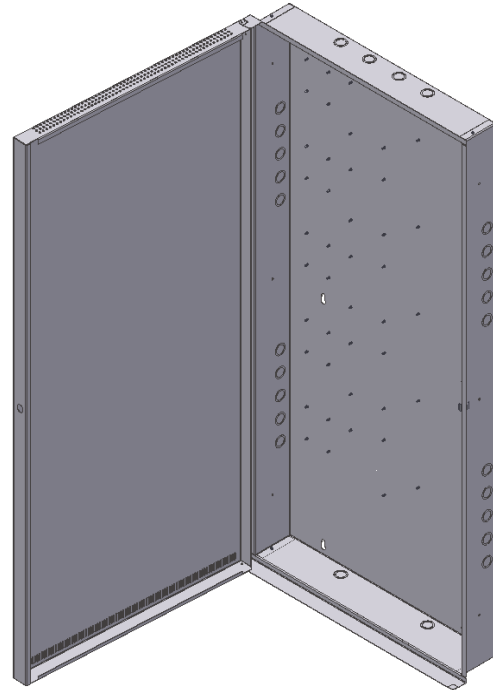


Exhibit 1: 5 Amp Remote Audio Enclosure

SELECT MOUNTING LOCATION

The following guidelines shall be adhered to when selecting the mounting location for the remote audio enclosure:

1. Mount the enclosure on a surface that is vibration free, clean, and dry.
2. Mount the enclosure in an area that is free from sources of electromagnetic interference and radio frequency interference; as these are types of problems that could adversely effect the successful operation and useful life of the electronic equipment housed in the enclosure.
3. Mount the enclosure in an environment with a nominal room temperature of 15°-27°C (60° - 80°F), with a relative humidity of 85 percent.
4. Allow sufficient clearance around enclosure to allow door to swing freely.
5. Mount enclosure at a height that allows easy access to system electronic components for maintenance and service.
6. The enclosure is NOT fire rated. Do not mount on or in a fire rated wall unless wall is properly framed to maintain specified fire rating.

INSTALLATION

1. Unpack the enclosure and check for shipping damage prior to installation.

Note: The enclosure door can be removed to assist in installing the enclosure by unscrewing the two hinge screws located at the top and bottom left of the enclosure.

2. Mount the enclosure at the required location utilizing the mounting holes provided on the back and sides of the back-box (See Exhibit 4). Secure the enclosure using mounting hardware appropriate for the mounting surface.
3. Select and punch open the appropriate knockouts. See Wiring Segregation for UL Power-limited versus Non Power-limited wiring requirements.

Note: Do not use conduit knockouts located in the bottom of the enclosure if installing batteries.

4. Attach enclosure grounding wire (See Exhibit 2). Adjust routing of grounding wire if necessary to allow full movement of enclosure door.

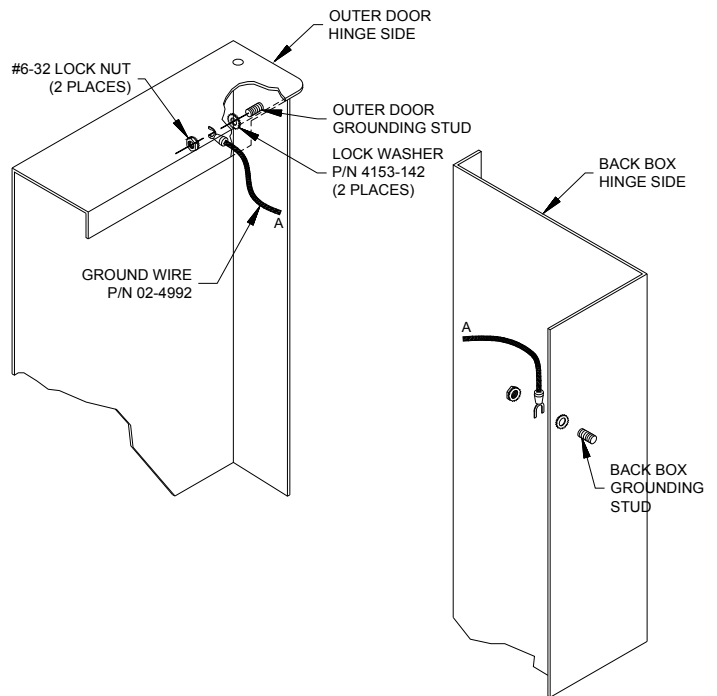


Exhibit 2: Ground Wire installation

WIRING SEGREGATION

Fire Alarm System wiring is classified as either power-limited or non-power limited per NEC Article 760. All power-limited wiring must be separated from all non-power limited wiring by a minimum distance of 1/4" (6 mm).

The audio enclosure assemblies are designed such that non-power limited wiring is at the left side of the cabinet and the power-limited wiring is at the top and right side of the cabinet (See Exhibit 3).

Amplifier Card non-power limited circuits include the following:

- P1 – Trouble Relay Contacts
- P12 – AC Power Supply Input

All other circuits are supervised and power limited.

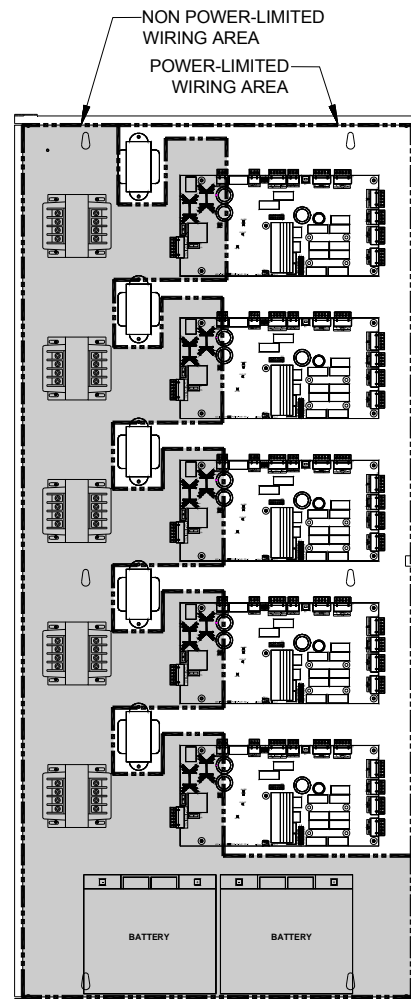


Exhibit 3: Enclosure Wiring Segregation

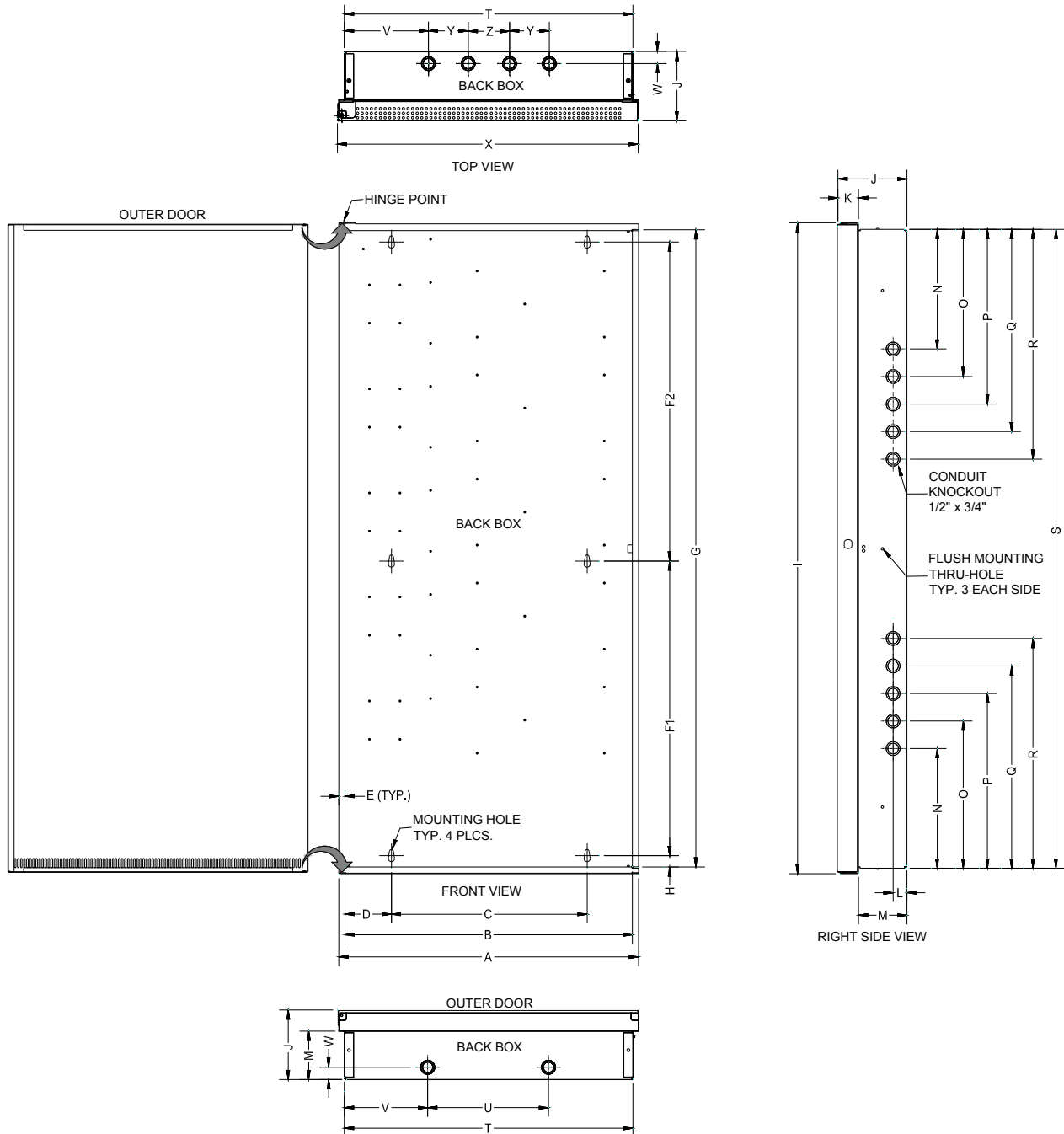


Exhibit 4: 5 Amp Enclosure

Enclosure Dimensions inches (cm)					
A	24.50 (62.2)	I	53.20 (135.0)	R	18.80 (47.8)
B	23.50 (59.7)	J	5.68 (14.43)	S	52.20 (132.6)
C	16.00 (40.6)	K	1.73 (4.4)	T	23.59 (60)
D	3.80 (9.7)	L	1.125 (2.9)	U	9.88 (25.1)
E	0.50 (1.27)	M	3.95 (10)	V	6.81 (17.3)
F1	24.00 (61.0)	N	9.80 (24.9)	W	1.00 (2.54)
F2	26.00 (66.0)	O	12.00 (30.5)	X	24.59 (62.5)
G	52.00 (132.0)	P	14.30 (36.3)	Y	3.25 (8.3)
H	0.93 (2.36)	Q	16.50 (42)	Z	3.38 (8.6)

Reserved for future use.