



DESCRIPTION

The Retrofit enclosure (See Exhibit 1) is designed to house just the voice evacuation system components. This arrangement is well suited for retrofitting existing CyberCat installations with voice evacuation capabilities.

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. 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.

The enclosure is equipped with an inner dead-front door that is designed to isolate the operator from the internal electronics and wiring, yet allows access to system control switches, internal microphone and fire-phone. The dead-front door is hinged, which allows it to be easily opened to reveal the system components for maintenance purposes.

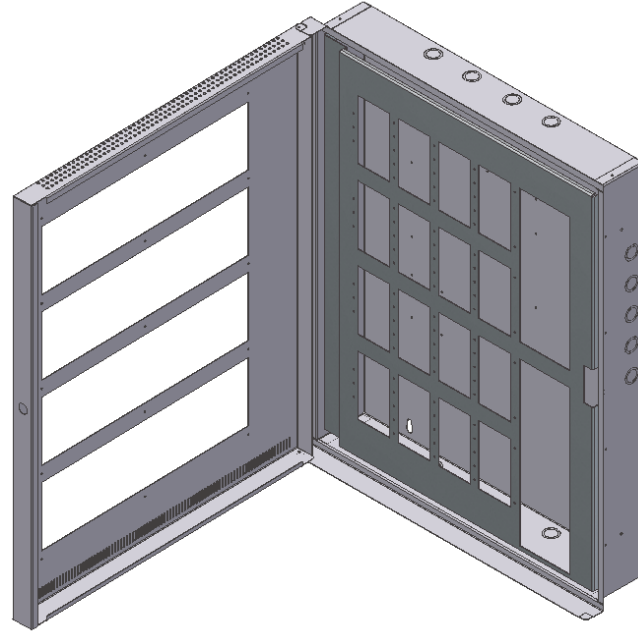


Exhibit 1: Retrofit Enclosure

ENCLOSURE CAPACITY

The enclosure can house the following system components:

- Digital Paging Card, P/N 10-2727 (qty. 1)
- Amplifier Card, P/N 10-2726 (qty. 1)
- Amplifier Transformers (qty. 2)
- Microphone Housing, P/N 10-2757
- Fire-Phone Housing, P/N 10-2756
- Two 18 AH batteries (maximum)

The dead-front door can accommodate the following cards:

- Smoke Control Switch Card, P/N 10-2658
- Input/Output Switch Card, P/N 10-2659
- Annunciator Card, P/N 10-2660
- Audio Control Card, P/N 10-2661
- Fire-Phone Card, P/N 10-2728
- Supplemental Fire-Phone Card, P/N 10-2730
- Paging Control Card, P/N 10-2741

ENCLOSURE ORDERING OPTIONS

Part Numbers: 10-2753-**c-o**

c = enclosure color (Red or Black)

o = overlay color (Red or Black)

The following parts are supplied with the enclosure:

- | | |
|----------|---|
| 02-12014 | Hardware Kit (qty. 2) |
| 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) |

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 wires (See Exhibit 3). Adjust routing of grounding wires if necessary to allow full movement of enclosure door.

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 enclosure assemblies are designed such that non-power limited wiring is at the bottom and left side of the cabinet and the power-limited wiring is at the top and right side of the cabinet (See Exhibit 2).

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.

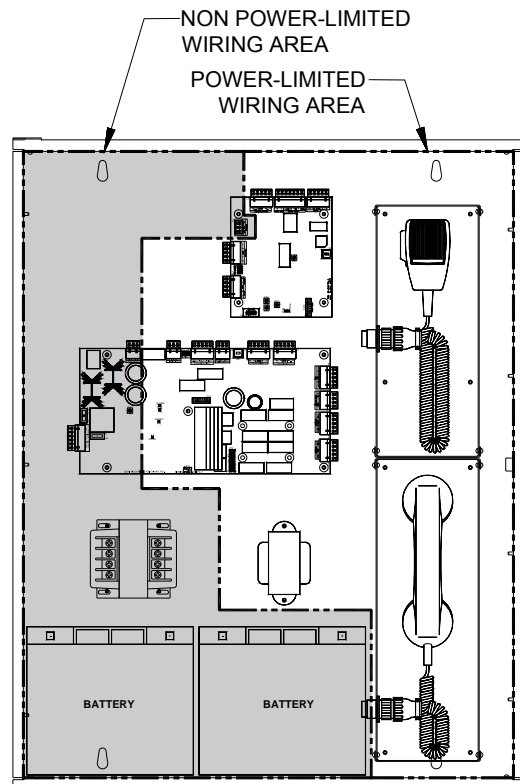


Exhibit 2: Enclosure Wiring Segregation

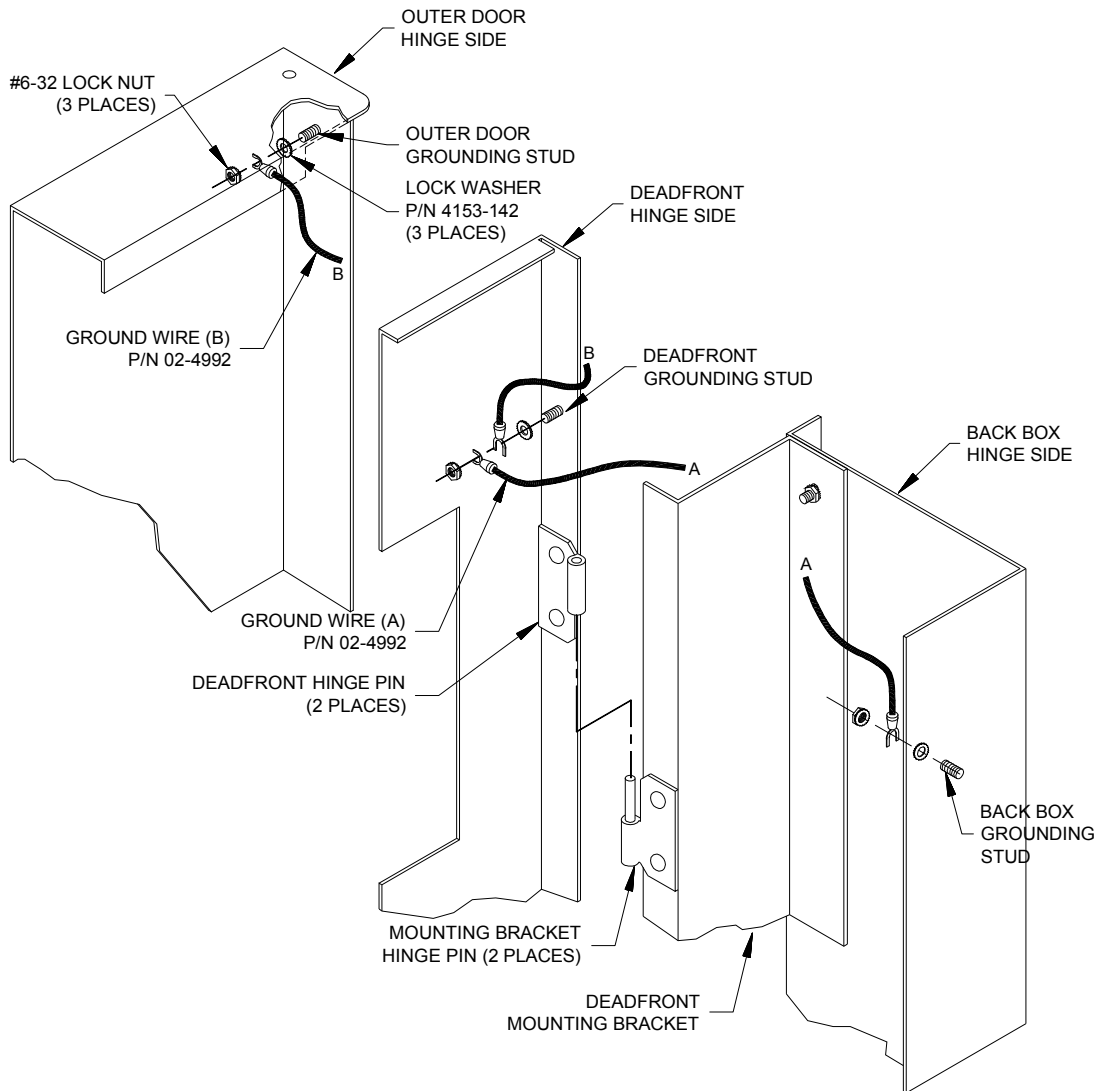


Exhibit 3: Ground Wire installation

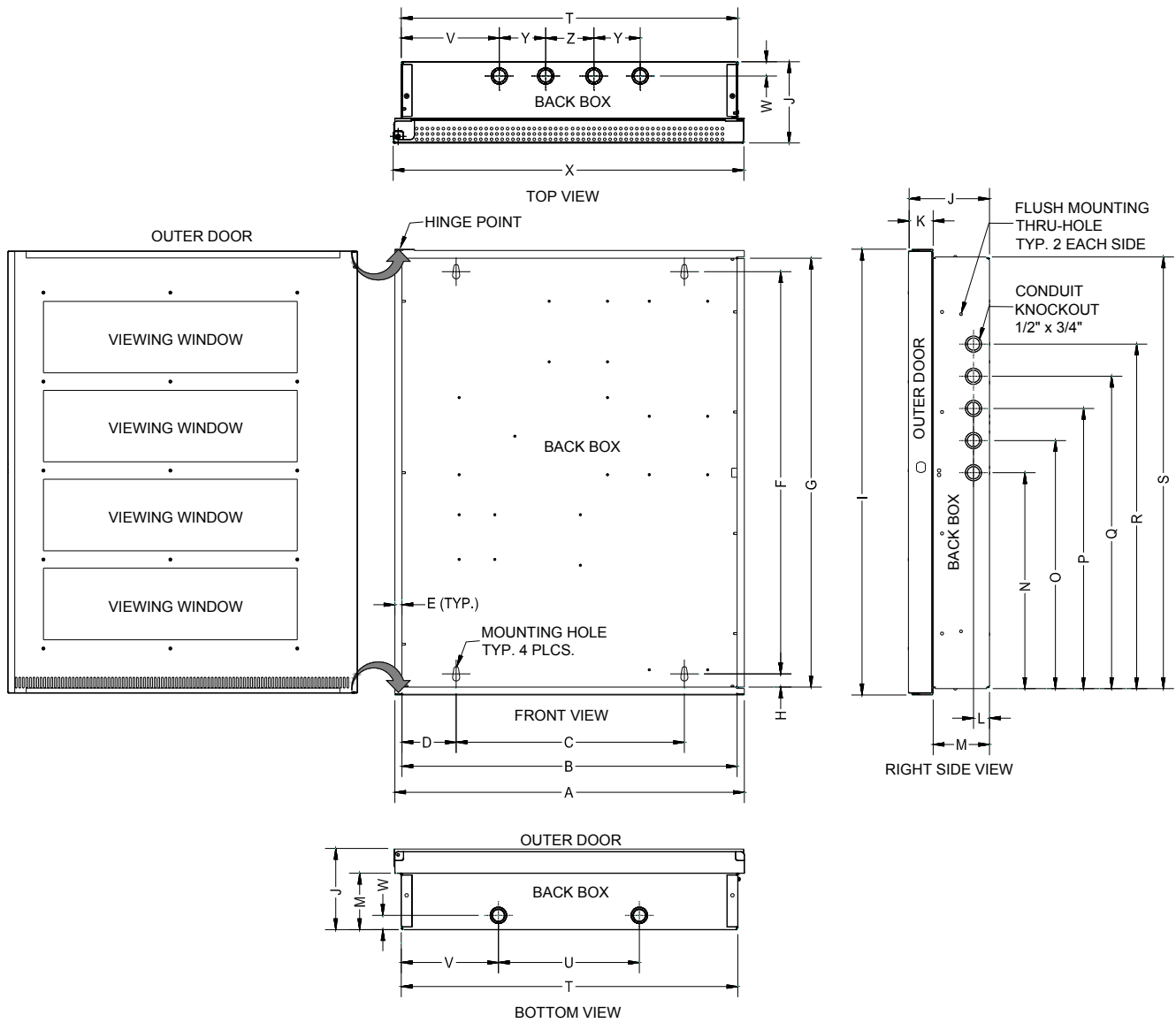


Exhibit 4: Retrofit Enclosure

Enclosure Dimensions inches (cm)					
A	24.50 (62.2)	J	5.68 (14.43)	S	30.20 (76.7)
B	23.50 (59.7)	K	1.73 (4.4)	T	23.60 (60)
C	16.00 (40.6)	L	1.125 (2.9)	U	9.88 (25.1)
D	3.80 (9.7)	M	3.95 (10)	V	6.81 (17.3)
E	0.50 (1.27)	N	15.10 (38.4)	W	1.00 (2.54)
F	28.14 (71.5)	O	17.35 (44.1)	X	24.60 (62.5)
G	30.00 (76.2)	P	19.60 (49.8)	Y	3.25 (8.3)
H	0.93 (2.36)	Q	21.90 (55.6)	Z	3.38 (8.6)
I	31.20 (79.2)	R	24.10 (61.2)		