



DESCRIPTION

The Fire Command Center (FCC) Enclosure is designed for applications that require all manual controls and status display of the detection, alarm communications, and control systems to be located in a central location. 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 facilitate easy wiring access into the enclosure. 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

Threaded press-studs are supplied in the enclosure back-box to allow easy installation of the following system components (sold separately):

- A. CyberCat™ Controller (qty. 1)
- B. CyberCat™ AC Transformer (qty. 2)*
- C. Multi-Interface Module (MIM), P/N 10-2583*
- D. Ethernet Module, P/N 10-2627*
- E. Class-A Peripheral Bus Card, P/N 10-2792*
- F. Bosch FPT-DACT-LC, P/N 10-2528
- G. Two 18 AH batteries (maximum)
- H. Amplifier Card, P/N 10-2726**
- I. Amplifier Audio Transformer
- J. Amplifier AC Transformer
- K. Relay Control Card, P/N 10-2785**
- L. Digital Paging Card, P/N 10-2727
- M. Microphone Housing, P/N 10-2757
- N. Fire-Phone Housing, P/N 10-2756

**Secondary power transformer, MIM, Ethernet module and Class-A Peripheral Bus card share a common mounting location. Only one component can be installed at a time.*

***Amplifier Card and Relay Control Card share a common mounting location. Only one component can be installed at a time.*

See Exhibit 2 for component layout within the enclosure.

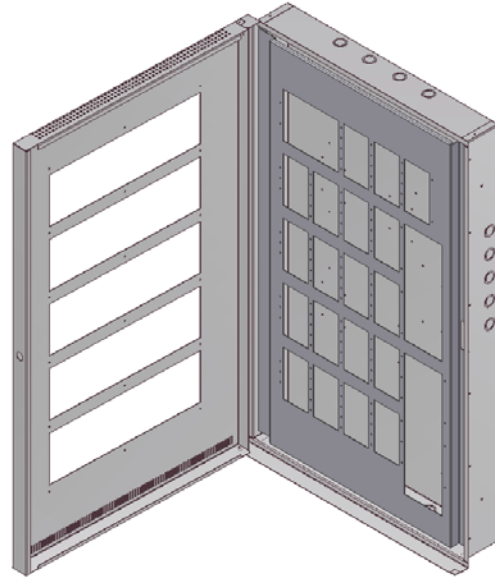


Exhibit 1: FCC Enclosure
(Shown with Nineteen Card Dead-front)

The enclosure can be equipped with one of three dead-front door options as required to suit your project needs. The dead-front door is designed to isolate the operator from the internal electronics and wiring, yet allows access to system controls and viewing of the system display. The dead-front door is hinged, which allows it to be easily opened to reveal the system components for maintenance purposes.

The following control and display cards (sold separately) can be mounted to the dead-front door panel:

- CyberCat™ Extend Display, P/N 10-2680
- 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
- City Tie Disconnect Switch, P/N 10-2721

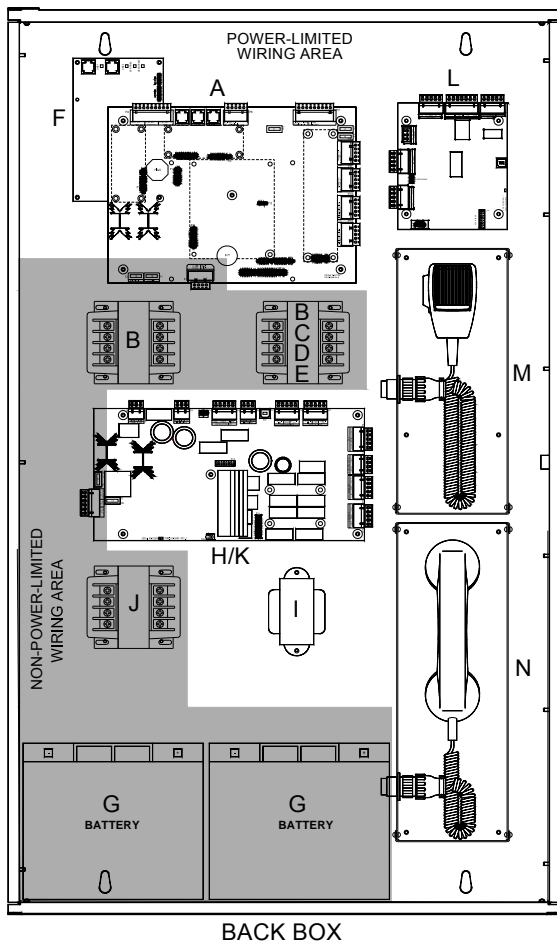


Exhibit 2: Enclosure Layout
(Option 1 Back-box)

ENCLOSURE OPTIONS

Enclosure with nineteen card dead-front:

Part Numbers: 10-2527-c-L-19-o (CyberCat 254)
10-2483-c-L-19-o (CyberCat 1016)

Weight: 45.5 lbs. (20.6 kg)

Enclosure with twenty-three card dead-front:

Part Number: 10-2527-c-L-23-o (CyberCat 254)
10-2483-c-L-23-o (CyberCat 1016)

Weight: 45.5 lbs. (20.6 kg)

Enclosure with twenty-five card dead-front*:

Part Number: 10-2772-c-L-25-o
Weight: 46.5 lbs. (21.1 kg)

*Not a system enclosure.

SUPPLIED MOUNTING HARDWARE

The following mounting hardware is supplied with the enclosure for future installation of the electronic components. *Store inside the enclosure after installation.*

02-12033	Standoff Kit
02-2715	M/F Standoff, .625" (qty. 5)
02-12014	Hardware Kit (qty. 2)
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 30 nuts and washers)

MOUNTING LOCATION

The following guidelines shall be adhered to when selecting the mounting location for the 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.

INSTALLATION

1. Determine the quantity and size of conduit to be attached to the enclosure and remove appropriate knockouts. The knockouts allow connection of either ½" or ¾" conduit. Do not use conduit knockouts located in the bottom of the enclosure if installing batteries.

ⓘ Note: 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 ¼" (6 mm). Refer to documentation provided with each electrical component for designation of power-limited versus non-power-limited circuits.

- Mount the enclosure at the selected location. See Exhibit 4 for enclosure dimensions. Both the outer and inner (dead-front) doors can be removed to make installation of the back box easier. Remove the outer door by unscrewing the two hinge screws. Remove the inner door by simply lifting it off its hinge pins.

Surface Mounting

Utilize the four tear-drop openings in the back of the back box to secure it to the mounting surface with suitable anchors.

Flush Mounting

Cut an opening in the wall to fit the back box dimensions and secure the box in place utilizing the through holes provided on the sides of the back box.

CAUTION

The enclosure is NOT fire rated. Do not mount on or in a fire rated wall unless wall is properly framed to maintain specific fire rating.

- Reinstall the inner and outer doors and connect the door grounding wires using the hardware provided, as shown in Exhibit 3. Adjust routing of grounding wires as necessary to allow full movement of both the inner and outer doors.
- After enclosure is cleaned and free from all construction dust; install electronic components into the enclosure using the installation instructions supplied with each component.

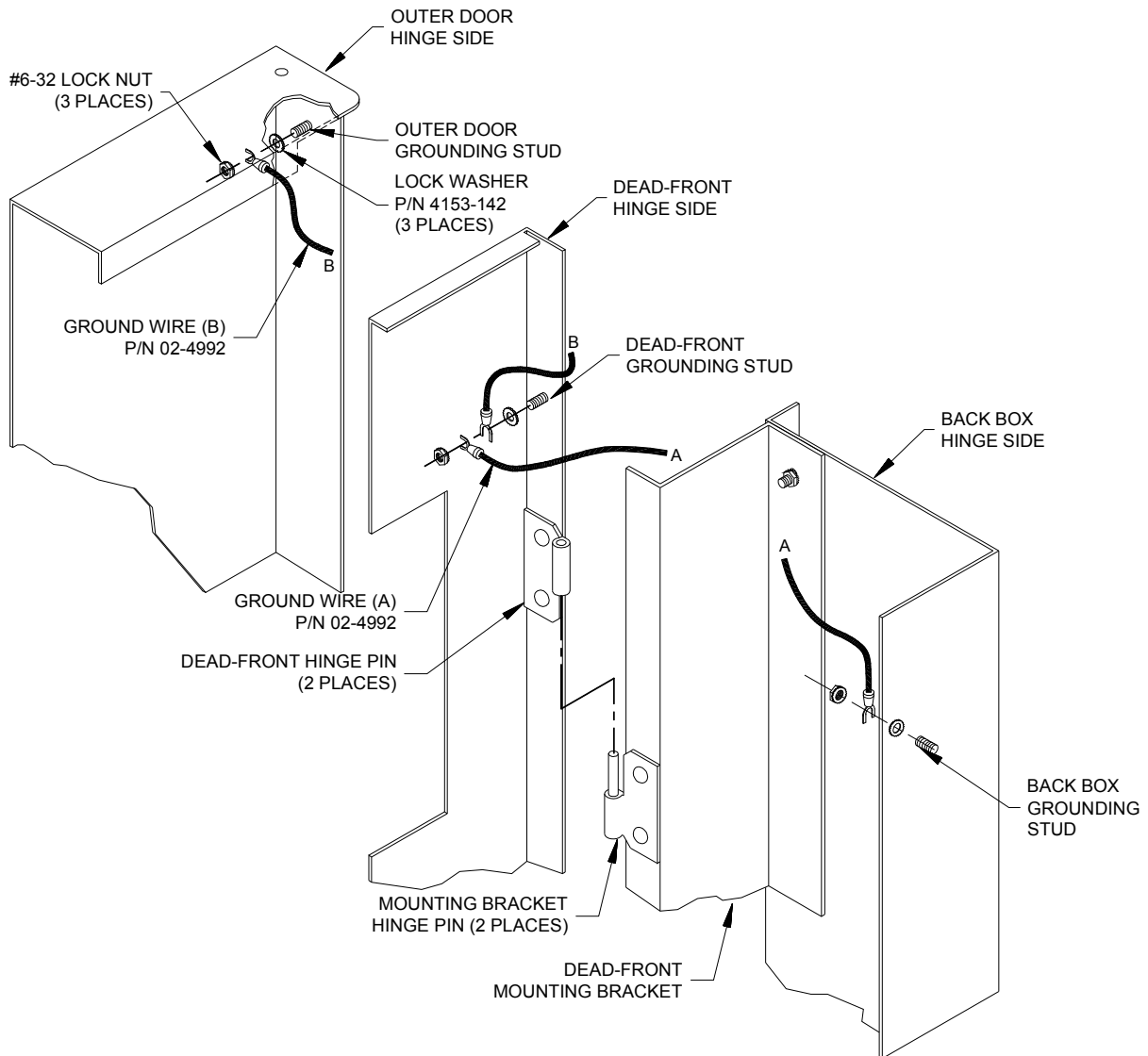


Exhibit 3: Ground Wire Installation

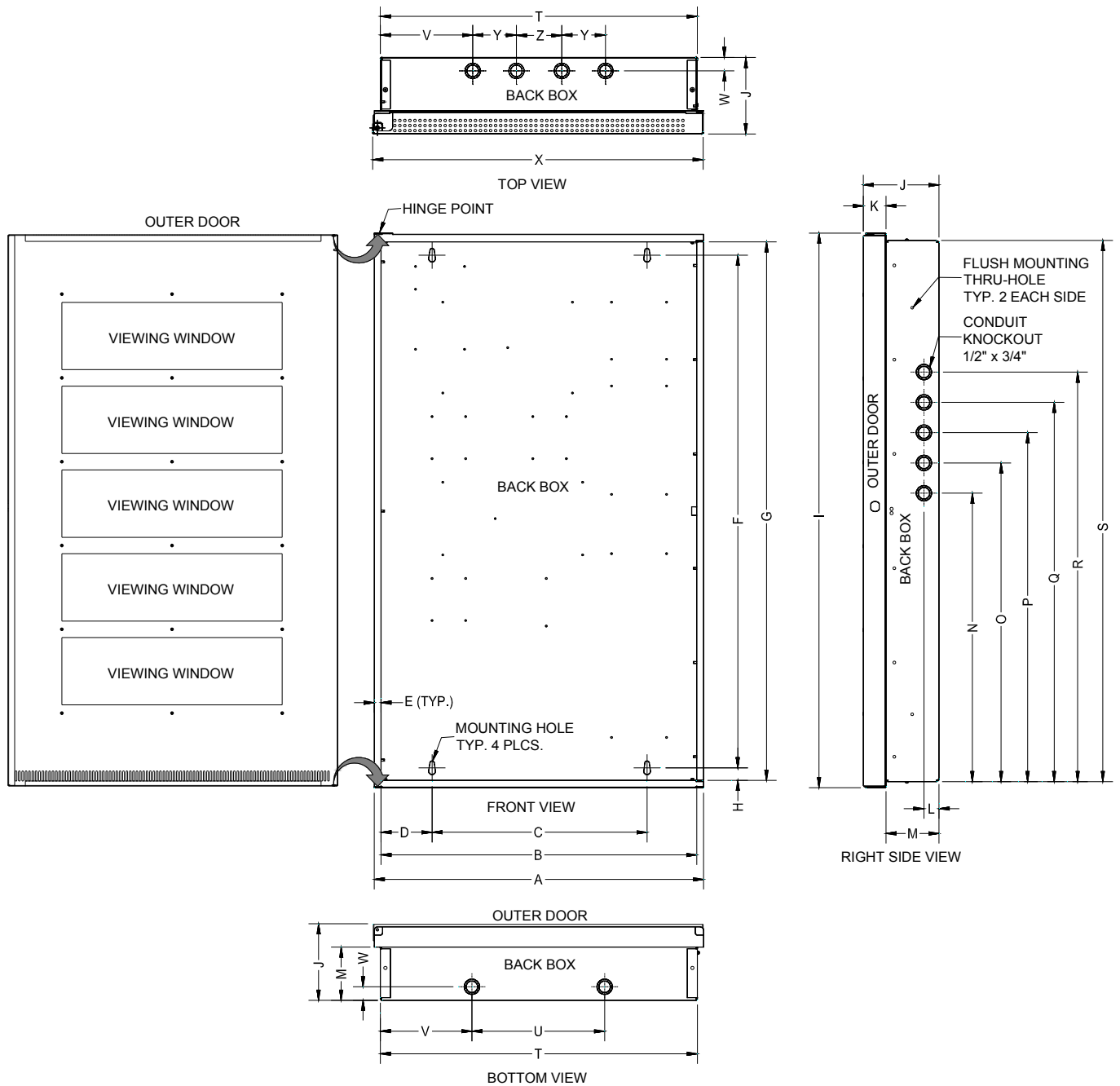


Exhibit 4: Enclosure Dimensions

Enclosure Dimensions inches (cm)					
A	24.50 (62.2)	J	5.68 (14.43)	S	40.20 (102)
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	21.42 (54.4)	W	1.00 (2.54)
F	38.00 (96.5)	O	23.67 (60)	X	24.60 (62.5)
G	40.00 (101.6)	P	25.52 (64.8)	Y	3.25 (8.3)
H	0.93 (2.36)	Q	28.17 (71.6)	Z	3.38 (8.6)
I	41.20 (104.6)	R	30.42 (77.3)		