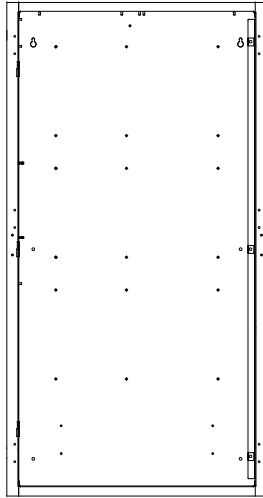




3-CAB Series Equipment Enclosure Backboxes Installation Sheet



(3-CAB21B shown)

Description

The 3-CAB series of equipment enclosure backboxes are made of 14-gauge steel and finished with a textured baked grey enamel. The backboxes are designed for semi-flush or surface mounting. Conduit and nail knockouts, keyhole style mounting holes, and wide wiring troughs facilitate quick installation.

Chassis assembly design facilitates separation of power-limited and nonpower-limited circuits inside the backbox by locating power-limited wiring towards the front of the cabinet and nonpower-limited wiring towards the rear.

Specifications

3-CAB7B

Dimensions	
Rough-in (H×W×D) [1]	23.2 × 24.0 × 3.86 in. (58.98 × 60.9 × 9.8 cm)
Finished (H×W×D)	
Surface mounted	25.5 × 27.34 × 5.5 in. (64.77 × 69.4 × 14.0 cm)
Semi-flush mounted	25.5 × 27.34 × 1.65 in. (64.77 × 69.4 × 4.19 cm)
Capacity	
Chassis	1 chassis assembly
Batteries	
Model 6V8A	4 max.
Model 12V10A	2 max.
Model 12V17A	2 max.

[1] Add 1/4 in. to height and width to allow for knockouts when framing in backbox for semi-flush mounting.

3-CAB14B

Dimensions	
Rough-in (H×W×D) [1]	35.5 × 24.0 × 3.86 in. (90.17 × 60.9 × 9.8 cm)
Finished (H×W×D)	
Surface mounted	37.75 × 27.34 × 5.5 in. (95.89 × 69.4 × 14.0 cm)
Semi-flush mounted	37.75 × 27.34 × 1.65 in. (95.89 × 69.4 × 4.19 cm)
Capacity	
Chassis	2 chassis assemblies
Batteries	
Model 6V8A	4 max.
Model 12V10A	2 max.
Model 12V17A	2 max.

[1] Add 1/4 in. to height and width to allow for knockouts when framing in backbox for semi-flush mounting.

3-CAB21B

Dimensions	
Rough-in (H×W×D) [1]	47.75 × 24.0 × 3.86 in. (121.29 × 60.9 × 9.8 cm)
Finished (H×W×D)	
Surface mounted	50.0 × 27.34 × 5.5 in. (127.0 × 69.4 × 14.0 cm)
Semi-flush mounted	50.0 × 27.34 × 1.65 in. (127.0 × 69.4 × 4.19 cm)
Capacity	
Chassis	3 chassis assemblies
Batteries	
Model 6V8A	4 max.
Model 12V10A	2 max.
Model 12V17A	2 max.

[1] Add 1/4 in. to height and width to allow for knockouts when framing in backbox for semi-flush mounting.

Regulatory information

Environmental class	Indoor dry IEC: 3K5
North American Standard	UL 864, CAN/ULC-S527
EU compliance	
EU certificates	2831-CPR-F1080
UK compliance	
EN54	EN 54-2:1997/A1:2006 EN 54-4:1997/A1:2002/A2:2006 EN 54-16:2008

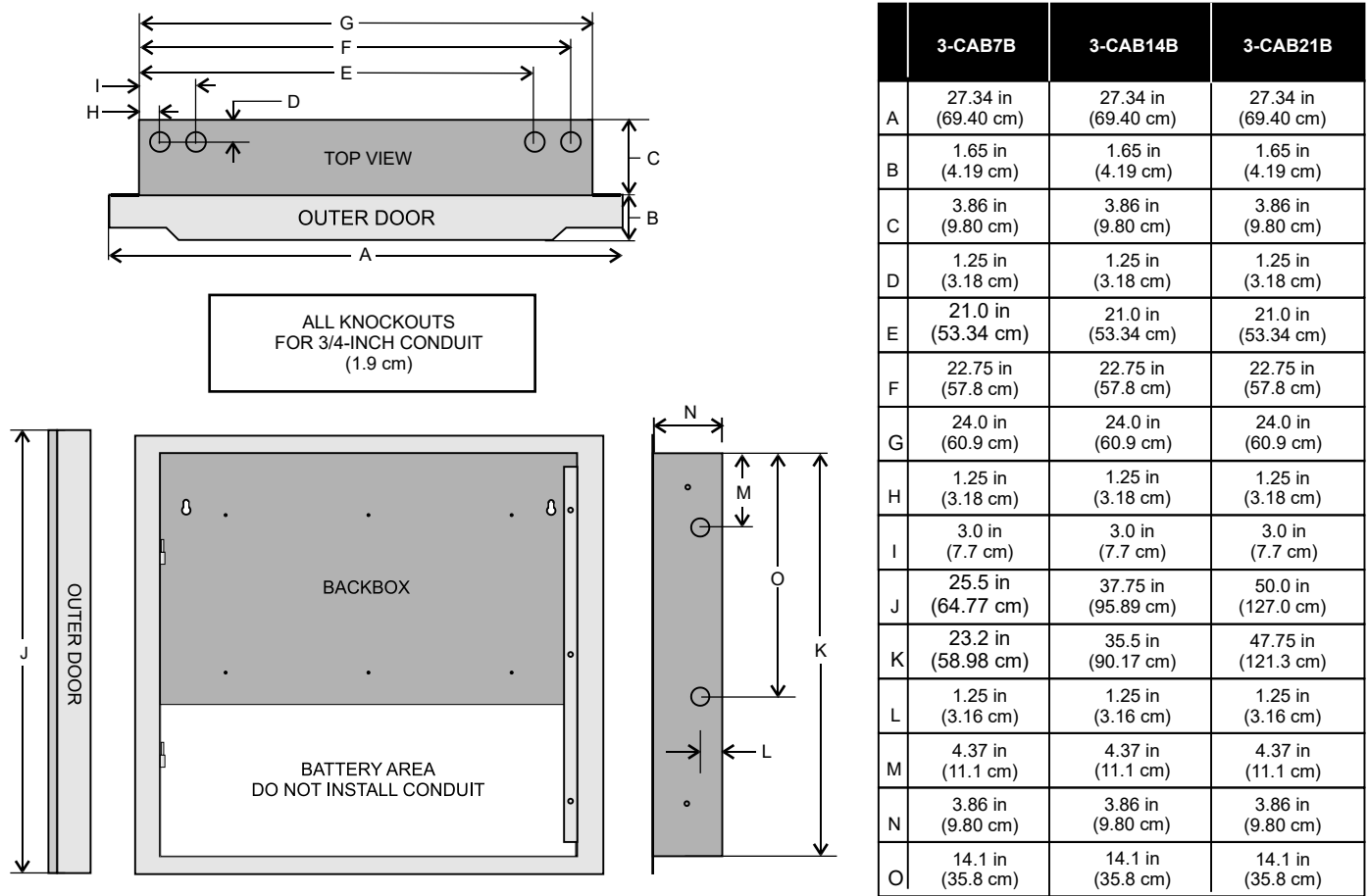
Contact information

For contact information, see www.edwardsfiresafety.com.



Installation

Figure 1: Cabinet installation dimensions



Wiring

Fire Alarm System wiring is classified as either power-limited or nonpower-limited per NEC Article 760. All power-limited wiring must be separated from all nonpower-limited wiring by a minimum distance of 1/4 in (6 mm). The system enclosures and chassis assemblies are designed such that nonpower-limited wiring is at the left rear of the cabinet and the power-limited wiring is at the front of the cabinet. When installing nonpower-limited wiring, use the feed through notches at the left rear of the chassis. When installing power-limited wiring, use the feed through notches at the right front of the chassis. See Figure 2.

Figure 2: Power-limited and nonpower-limited wiring requirement

