SIEMENS

Fire Safety

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 01/25/14

Cerberus™ PRO Fire Safety S

Fire-Alarm Enclosures and Equipment

Models: FHB2001-U1 / R1; FHB2002-U1 / R1; FHD2001-U3 / R3; FHD2002-U3 / R3; FHD2003-U3 /R3; FHD2004-U1; FHD2005-U1, FHD2006-U1, FCM2022-U3 and FCM2023-U3

ARCHITECT AND ENGINEER SPECIFICATIONS

- **Used with various Siemens fire alarm control panels (FACPs)**
- **One (1) or two (2) height-unit enclosures**
- **Inner / outer doors**
  - Blank plates for inner and outer doors
  - Lens plate for outer door
  - Hinged locking door provides easy access to panel components
- **Back box**
  - Available in either black or red
- **Knockouts for field wiring**
- **®UL 864 9th Edition Listed; FM, CSFM and NYC Fire Dept. Pending**

Model FHD2001-U3

Model FHD2002-U3

Model FHD2003-U3

Product Overview

The Cerberus PRO fire-alarm enclosures and their accessories provide a complete set of hardware for mounting all Cerberus PRO main-system and remote terminal cards and modules.

The hardware allows the Cerberus PRO system to be configured for a variety of applications, and allows for future system upgrades. Included in the enclosure series are back box and door sets; removable mounting plates and clear lenses; and blank plates for use with the enclosure doors.

All enclosures come with ground straps for the inner and outer doors, shield termination lugs, grounding lugs, and tie wrap lances for securing wire. All Cerberus PRO two-height-unit enclosures can also mount system back-up batteries up to 33AH in capacity.

One-Height-Unit Enclosure

For each Cerberus PRO FACP, one (1) red or black back box supports one (1) red or black outer door, respectively. The black inner door specifically stores the system operating units (Models FCM2018-U3 and FCM2019-U3). The back box supports the fire-terminal board (Model FTI2001-U1), and optionally supports the Digital Alarm Communication Transmitter [DACT] (Model FCA2015-U1).

The one-height-unit enclosure is the smaller housing for the Cerberus PRO Fire Safety System. The following components comprise a complete one-height-unit enclosure:

- One (1) back box, (Model FHB2001-U1 / R1)
- One (1) inner door, (Model FHD2004-U1)
- One (1) outer door, (Model FHD2001-U3 / R3)
- One (1) clear lens, (Model FHD2006-U1)

Approximate size: 15" (38.1 cm.) [H];
20" (50.8 cm.) [W];
4.5" (11 cm.) [D]

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Product Overview — (continued)

Model FHB2001-U1
[for One-Height-Unit Enclosures]

Two-height-unit enclosure

The two-height-unit enclosure is the larger housing for the Cerberus PRO Fire Safety System. The following components comprise a complete two-height-unit enclosure:

- One (1) back box, (Model FHB2002-U1 / R1)
- One (1) or two (2) inner doors, (Models FHD2004-U1 or FHD2005-U1)
- One (1) outer door, (Model FHD2002-U3 / R3, or FHD2003-U3 / R3)
- One (1) or two (2) clear windows, (Model FHD2006-U1)

Note: One (1) window is installed for Model FHD2002-U3 / R3 outer door, and two (2) windows are required for Model FHD2003-U3 / R3.

Approximate size: 28.5" (72.4 cm.) [H];
28" (71.2 cm.) [W];
6.0" (15.2 cm.) [D]

Model FHB2002-U1
[for Two-Height-Unit Enclosures]

Inner doors

There are two (2) inner doors available for Cerberus PRO system enclosures. Model FHD2004-U1 supports one (1) operating unit {Model FCM2018-U3, or with LED: Model FCM2019-U3}, or one (1) to four (4) LED-option modules (Model FCM2023-U3). When less than four LED option modules are used, the blank-option module (Model FCM2022-U3) covers unused module spaces in the inner door.

Approximate size: 13.25" (33.7 cm.) [H];
20" (50.8 cm.) [W]

Note: Model FHD2005-U1 is a solid blank plate used to provide dead-front protection.

Outer-door clear windc

The window (Model FHD2006-
lens, is mounted to the openin

Approximate size: 10.25" (26.
17" (43.2 cr

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Enclosure trim kits

Each size enclosure has a trim kit available in black and red. The trim kit is used for flush mounting a Cerberus PRO system enclosure. Model FHA2035-U1 / R1 is used for the one-height-unit enclosure, and FHA2036-U1 / R1 is used for the two-height-unit enclosure.

DIN rail kit

The optional DIN Rail Kit (Model FHA2031-U1) mounts in the back box of a one or two-height-unit enclosure, and provides connection between internal-system wiring and field wiring.

Battery bracket

An optional battery bracket (Model FHA2032-U1) can be used to secure batteries up to 33AH. Model FHA2032-U1 is required to comply with seismic certification, pursuant to ASC / SEI 7-05, Section 13.2.2.

Temperature and Humidity Range

Products are ®UL 864 9th Edition Listed for indoor dry locations within a temperature range of 120+/-3°F (49+/-2°C) to 32+/-3°F (0+/-2°C) and a relative humidity of 93+/-2% at a temperature of 90+/-3°F (32+/-2°C).

Technical Data

Outer Door / Back Box	▪ **Material**	Sheet metal 0.062”
	▪ **Colors**	Red or black
Inner Door	▪ **Material**	Sheet metal 0.062”
	▪ **Surface treatment**	Galvanized, annealed
Window	▪ **Material**	Rugged clear Lexan®
PHYSICAL PROPERTIES	**Outer Door / Back Box: { W -x- H -x- D }**	28.1” -x- 21.5” -x- 1.0” (19.7 cm. -x- 9.8 cm. -x- 4.5 cm.)
	Inner Door: { W -x- H -x- D }	20.6” x 13.3” x 0.7” (13.0 cm. -x-9.8 cm. -x- 6.4 cm.)
	Window: { W -x- H -x- D }	16.6” x 8.3” x 0.13” (19.7 cm. -x- 9.8 cm. -x- 4.5 cm.)

Details for Ordering

Model Number	Part Number	
FHB2001-U1	S54400-B47-A1	1HU b
FHB2001-R1	S54400-B47-A2	1HU b
FHB2002-U1	S54400-B48-A1	2HU b
FHB2002-R1	S54400-B48-A2	2HU back box, red
FHD2001-U3	S54400-B45-A1	1HU outer door, black
FHD2001-R3	S54400-B40-A1	1HU outer door, red
FHD2002-U3	S54400-B32-A1	2HU outer door w/ 1 window, black
FHD2002-R3	S54400-C53-A1	2HU outer door w/ 1 window, red
FHD2003-U3	S54400-C42-A1	2HU outer door w/ 2 windows, black
FHD2003-R2	S54400-B46-A1	2HU outer door w/ 2 windows, red
FHD2004-U1	S54400-B52-A1	Inner door, black
FHD2005-U1	S54400-B53-A1	Inner door, solid black
FHD2006-U1	S54400-C46-A1	Clear-lens window

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Notice: This marketing data sheet is not intended to be used for system design or installation purposes. For the most up-to-date information, refer to each product's installation instructions.

SIEMENS Industry, Inc.
Building Technologies Division

Fire Safety
8 Fernwood Road
Florham Park, NJ 07932
Tel: (973) 593-2600
FAX: (908) 547-6877
URL: www.USA.Siemens.com/Cerberus-PRO

Fire Safety
2 Kenview Boulevard
Brampton, Ontario
L6T 5E4 / Canada
Tel: (905) 799-9937
FAX: (905) 799-9858

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