Features

Simplex 4100ES Box and door options:

- Boxes are available sized for one, two, or three equipment bays, each with a battery bay located at the bottom
- Colors include platinum or red
- Doors are glass front with modular dress panels, or solid
- Models are available with box and door combined for single package shipping, or packaged separately
- Enclosures are NEMA 1 rated; wall mount enclosures are also IP30 rated
- Refer to individual 4100ES data sheets for product application listings (see Enclosure Selection Chart)

Door and dress panel selection is coordinated with cabinet function:

- Glass doors with modular dress panels provide visibility of annunciation and interface modules for Control Panels, Network Display Units (NDU), and Remote Annunciators
- Solid doors are for MINIPLEX Transponders and utility function cabinets where module visibility is not required

4100ES Enclosure details:

- Latching dress panels easily lift off for internal access
- Smooth box surfaces are provided for locally cutting conduit entrance holes exactly where required
- Alignment markers are provided at the top and bottom of each box side for 6 in. (152 mm) or 4 in. (102 mm) wall studs
- Knockout screw/nail holes are supplied for semi-flush mounting

Upright cabinet rack packaging reference:

- For use with Bud Industries Inc. special cabinet rack model number 45964
- See Table 3 for cabinet rack listing



Figure 1: 4100ES One Bay Cabinet



Figure 2: 4100ES Two Bay Cabinets

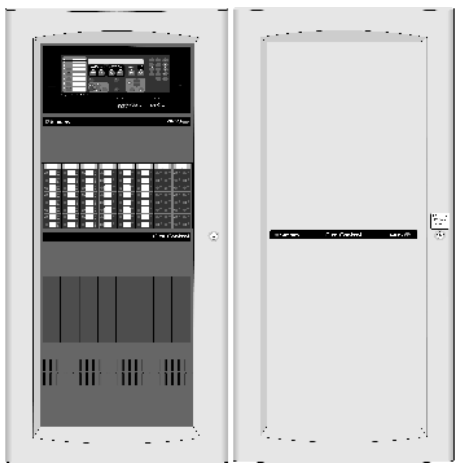


Figure 3: 4100ES Three Bay Cabinets



Figure 4: Cabinet Rack Enclosure (shown with door open)

* For 4100ES one, two, and three bay cabinets with associated equipment: Products are listed by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing No text in data element listings-detail :251 for allowable values and/or conditions concerning material presented in this document. Accepted for use – City of New York Department of Buildings – MEA35-93E. Additional listings may be applicable, contact your local Simplex product supplier for the latest status.

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Enclosure Selection Chart

Note: See Wall Mounted Enclosure Installation Reference and Cabinet Rack Specifications for dimensions.

Door keys are shipped with system master controller.

Table 1: Combined Box and Door Selection (select if box and door are to be shipped together)

Description	Platinum 1 Bay	Platinum 2 Bay	Platinum 3 Bay	Red 1 Bay	Red 2 Bay	Red 3 Bay
Box with Glass Door and Dress Panel	2975-9444	2975-9445	2975-9446	2975-9441	2975-9442	2975-9443
Box with Solid Door	2975-9450	2975-9451	2975-9452	2975-9447	2975-9448	2975-9449

Table 2: Separate Box and Door Selection (select if boxes and doors are required to be shipped separately)

Description	Platinum 1 Bay	Platinum 2 Bay	Platinum 3 Bay	Red 1 Bay	Red 2 Bay	Red 3 Bay
Box	2975-9438	2975-9439	2975-9440	2975-9407	2975-9408	2975-9409
Glass Door and Dress Panel	4100-2104	4100-2105	4100-2106	4100-2124	4100-2125	4100-2126
Solid Door	4100-2114	4100-2115	4100-2116	4100-2134	4100-2135	4100-2136

Table 3: Cabinet Rack Mounting

SKU	Description	#45964 Listings
#45964, from Bud Industries Inc.	Special upright cabinet rack for 4100ES; 19 in. (483 mm) E.I.A.; gray texture; includes front polycarbonate door and rear louvered door, both keyed with Simplex "B" keys	UL and ULC listed only as of document revision date; cabinets are listed with the Simplex 4100ES product line
4100-2140	Master Controller Rack Mount Kit, **one required per master controller**	Master Controller and Option Bays each require 9 Rack Units; 15.75 in. height (400 mm)
4100-2145	Option Bay Rack Mounting Kit, **one required per expansion bay**	
4100-2144	Power Distribution Module (PDM) Rack Mount Kit, order PDM separately per system voltage, **one required per cabinet rack**	

Table 4: Power Distribution Modules

SKU	Voltage	Description
4100-0634	120 VAC	Power Distribution Module (PDM); select per system voltage; **one required per 4100ES box or cabinet rack**
4100-0635	220/230/240 VAC	

Table 5: Miscellaneous Accessories

SKU	Description	
252-019	Door key, one is shipped with system Master Controller, order for replacement or when extra keys are needed; ("B" key)	
4100-9856	Canadian French Appliqué Kit, for 1, 2, or 3 bay sizes	
4100-9857	4100ES Appliqué Retrofit Kit, for 1, 2, or 3 bay sizes; use to identify 4100ES features when new door is not used; included with Master Controller Upgrade kits as detailed on data sheet *S4100-0031*	
4100-9868	Special Purpose Appliqué Kit: Simplex , Elevator Recall Control and Supervisory Control Unit, 4100ES	
4100-9869	Special Purpose Appliqué Kit: Simplex , Sprinkler Waterflow and Supervisory Station, 4100ES	
4100-9835	Termination and Address Label Kit, for module marking	**Note:** One kit is supplied for each cabinet; order this if required for additional field module installation
4100-9837	Green LED Power-on Indicator Kit, **required for ULC listing of MINIPLEX transponder**	Mounts using knockout provided in solid door
2975-9813	Platinum semi-flush box trim	1 7/16" in.(37 mm) wide, four corners and trim pieces for top, bottom, and sides
2975-9812	Red semi-flush box trim	

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Table 6: Battery Reference

SKU	Capacity	Battery Notes
2081-9272	6.2 Ah	Sealed lead-acid batteries, 12 VDC each; two required per battery location. Battery selection is required if batteries are internal. Select one size per battery set. Refer to data sheet *S2081-0006* for battery details.
2081-9274	10 Ah	
2081-9288	12.7 Ah	
2081-9275	18 Ah	
2081-9287	25 Ah	
2081-9276	33 Ah	
2081-9296	50 Ah	

Table 7: Battery Accessories

SKU	Description
4100-0650	Battery Shelf, **required for 50 Ah batteries**
4100-5128	Battery Distribution Terminal Block, mounts to side of box, required for all close-nippled cabinets unless cabinet receives all power from power supplies and batteries located in the adjacent cabinet

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Wall Mounted Enclosure Installation Reference

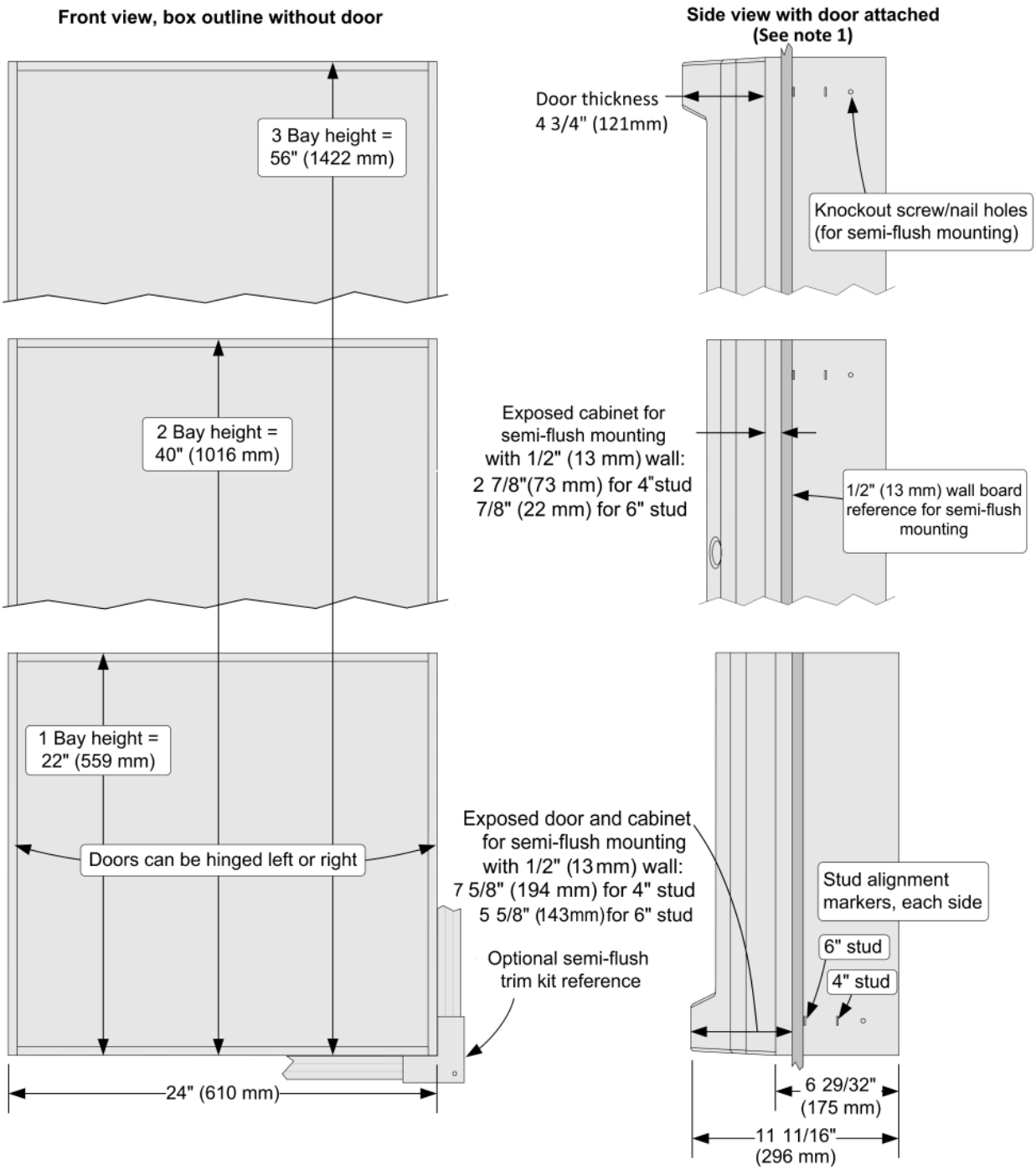


Figure 5: Installation Reference

Note:

1. Figure 5 shows side view dimensions with minimal cabinet and door protrusion from the exterior wall. For 6 in. stud construction with minimum protrusion shown, the door opens 90 degrees. To allow the door to open 180 degrees, the exposed cabinet dimension from the exterior wall must be a minimum of 3 in. (76 mm) for both 4 in. and 6 in. stud construction.

2. A system ground must be provided for Earth Detection and transient protection devices. This connection shall be made to an approved, dedicated Earth connection per NFPA 70, Article 250, and NFPA 780.

3. For additional installation information refer to Installation Instructions 579-117.

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Additional Data Sheet Reference

Table 8: Reference

Subject	Data Sheet
Graphic I/O Modules for 4100ES, 4010ES, 4007ES	S4100-0005
4100ES Basic Panels with SPS Power Supplies	S4100-0031
4100ES Emergency Voice/Alarm Equipment	S4100-0034
MINIPLEX Transponders with SPS Power Supplies	S4100-0035
NDU with SPS Power Supplies for 4120 Network	S4100-0036
4100ES Remote Annunciator Panels	S4100-0038
InfoAlarm Command Center with SPS Power Supplies	S4100-0045
NDU with SPS Power Supplies for ES Net	S4100-0077
4100ES Basic Panels with EPS Power Supplies	S4100-0100
InfoAlarm Command Center with EPS Power Supplies	S4100-0101
NDU with EPS Power Supplies for 4120 Network	S4100-0102
MINIPLEX Transponders with EPS Power Supplies	S4100-0103
NDU with EPS Power Supplies for ES Net	S4100-0104

Console Package Reference



Figure 6: Front, side, and rear views

Cabinet Rack Specifications

Table 9: Cabinet Rack Specifications

Specification		Rating
Type		Upright cabinet rack for exclusive use with Simplex 4100ES Fire Alarm Products
Supplier		Order from Bud Industries Inc. (www.budind.com)
SKU Number		45964
Outside Dimensions	Height	69-7/8 in.(1775 mm)
	Width	24-1/16 in. (611 mm)
	Depth	22 in. (559 mm)
Color		Gray texture
Panel Space Width		19 in. E.I.A. (483 mm)
Front Door		Surface mount with 1/8 in. thick (3.18 mm) smoke gray polycarbonate, locked with Simplex "B" key, hinged on left of cabinet
Rear Door		Ventilated top and bottom, locked with Simplex "B" key
Sides		Side panels are removable from the inside for rack-to-rack mounting
Bottom		Pan attached for battery mounting
Levelers		Includes 4 stem levelers on bottom
Installation Instructions		579-229

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