UL, CSFM Listed; FM Approved,
*MEA (NYC) Acceptance**

System Accessories

4081 Series Battery Cabinet with Charger

Features

Provides external battery cabinet with charger for compatible systems requiring batteries larger than the control panel cabinet capacity:

- For use with Simplex 4010 Fire Alarm Control Unit (FACU) or Model 4004R Agent Release Control unit
- Accommodates up to 50 Ah batteries (batteries are ordered separately)
- Cabinets mount close-nippled to fire alarm control cabinet and can be installed either surface or semi-flush
- FACUs are selectable for depleted battery warning or depleted battery cutout
- Available with beige or red cabinet

FACU connection controls charging circuit:

- FACUs periodically disable the charger and perform a battery test to monitor battery condition
- Missing batteries or low battery charge problems are identified and annunciated as troubles at the FACU

Description

Simplex 4010 FACUs allows batteries of up to 25 Ah to be mounted within its cabinet. Simplex 4004R Agent Release Control Panels allow batteries up to 12.7 Ah to be mounted within its cabinet. For system applications requiring more battery backup, these external 4081 Series battery cabinets with charger can accommodate up to 50 Ah batteries.

Battery status monitoring

A separate wired connection to the FACU allows the normally enabled remote charger circuit to be disabled allowing the FACU to evaluate battery status. Problems such as missing or low batteries are reported as troubles at the FACU.

Depleted battery

Depleted battery warnings and selectable or standard battery cutout features of the connected FACUs are maintained when connected to the 4081 remote battery charger.

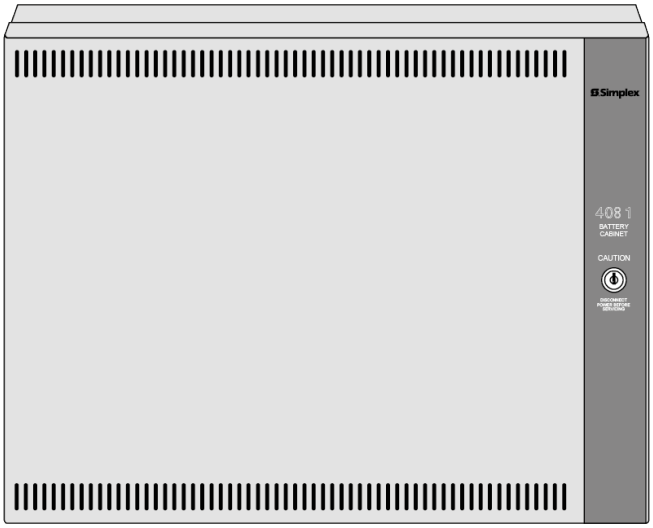


Figure 1: 4081 Series Battery Cabinet with Charger

Specifications

Table 1: General Specifications

Specification	Rating
Battery type and capacity	Sealed lead-acid only, up to 50 Ah; batteries ordered separately
Battery output voltage	Nominal 24 VDC
Input power requirements	
Voltage	102 VAC to 132 VAC, 60 Hz
Current	1.1 A at 120 VAC
Environmental and mechanical	
Temperature range	32°F to 122°F (0°C to 50°C)
Humidity range	Up to 93% RH, non-condensing at 100.4°F (38°C) maximum
Wiring connections	Terminal blocks for up to 12 AWG wire (3.31 mm²)
Wiring requirements	Two wires for battery connections; one additional wire required for charger control
Distance from FACU	20 ft (6 m) maximum
Dimensions See Installation reference	22 1/2 in. W x 16 3/4 in. H x 8 3/8 in. D (572 mm x 425 mm x 213 mm)
Weight	Approximately 90 lbs (41 kg) with 50 Ah batteries

* This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing 7315-0026:228 for allowable values and/or conditions concerning material presented in this document. It is subject to re-examination, revision, and possible cancellation. Accepted for use – City of New York Department of Buildings – MEA35-93E. This product was not ULC listed as of document revision date. Additional listings may be applicable; contact your local Simplex product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co. are the property of Tyco Safety Products Westminster.

Product selection information

Table 2: External battery cabinet with charger

Model	Cabinet color	Description
4081-9301	Beige	Battery cabinet with charger, 120 VAC input
4081-9302	Red	

Table 3: Battery selection reference (ordered separately)

Model	Description	Voltage for each battery	Quantity
2081-9287*	25 Ah sealed lead-acid battery	12 VDC	Two required
2081-9276	33 Ah sealed lead-acid battery		
2081-9296	50 Ah sealed lead-acid battery		

Note: * 2081-9287 batteries fit in the 4010 cabinet but are also compatible with these battery cabinets.

Installation reference

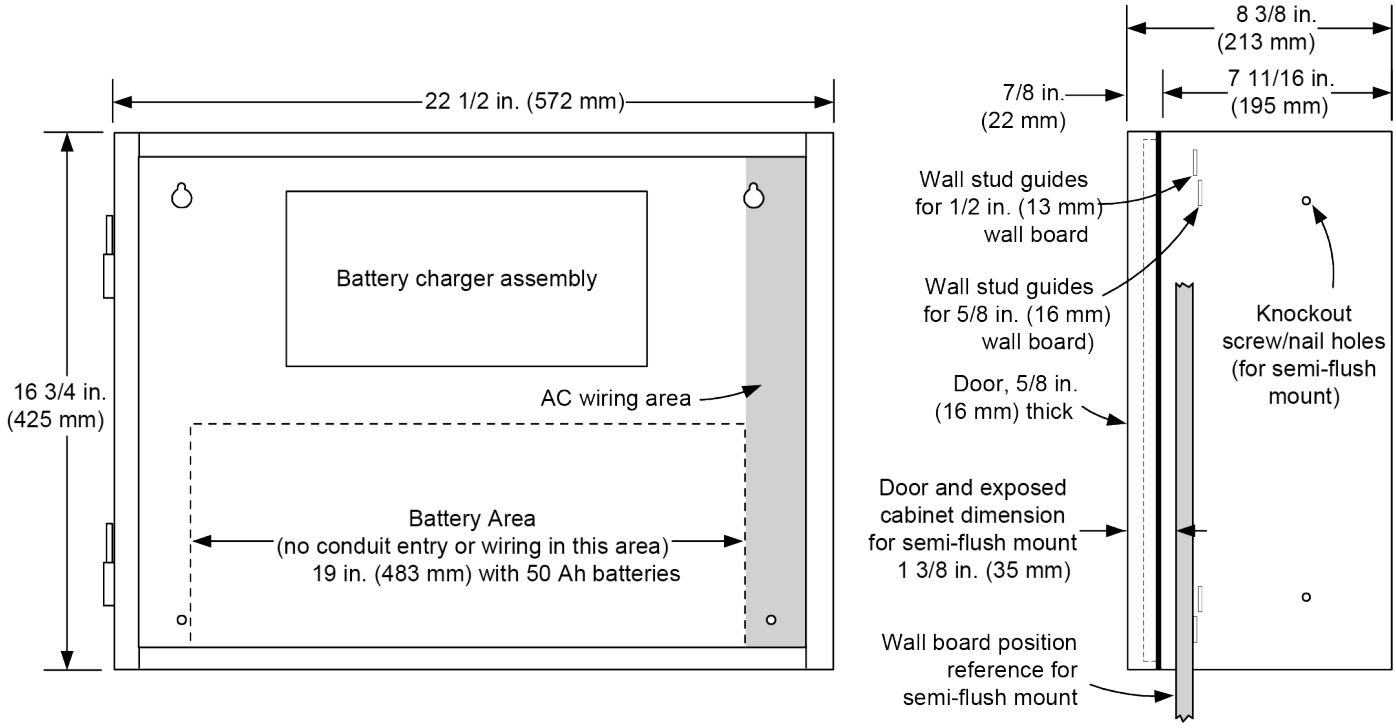


Figure 2: Installation reference

Wiring notes:

1. Cut conduit entrance holes as required.
2. Power limited and non-power limited wiring must be in separate conduit.
3. AC power entrance is recommended at the bottom right of the cabinet.
4. Refer to Installation Instructions *574-199.*

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