

Features

**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 batteries up to 50 Ah ordered separately
- Cabinets mount close-nipped to fire alarm control cabinet and can be installed either on the surface of or semi-flush to the cabinet
- 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 indicated as troubles at the FACU

Description

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

**Battery status monitoring**

A separate wired connection to the FACU allows the 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.

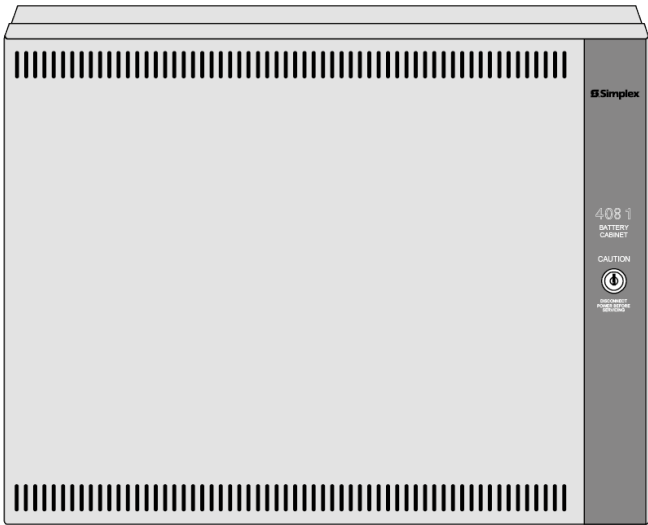


Figure 1: 4081 series battery cabinet with charger

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
<b>Input power requirements</b>	
Voltage	102 VAC to 132 VAC, 60 Hz
Current	1.1 A at 120 VAC
<b>Environmental and mechanical</b>	
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 mm <sup>2</sup> )
Wiring requirements	Two wires for battery connections. One additional wire required for charger control
Distance from FACU	20 ft (6 m) maximum
Dimensions <a href="#">See Installation reference</a>	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 lb (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. 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**

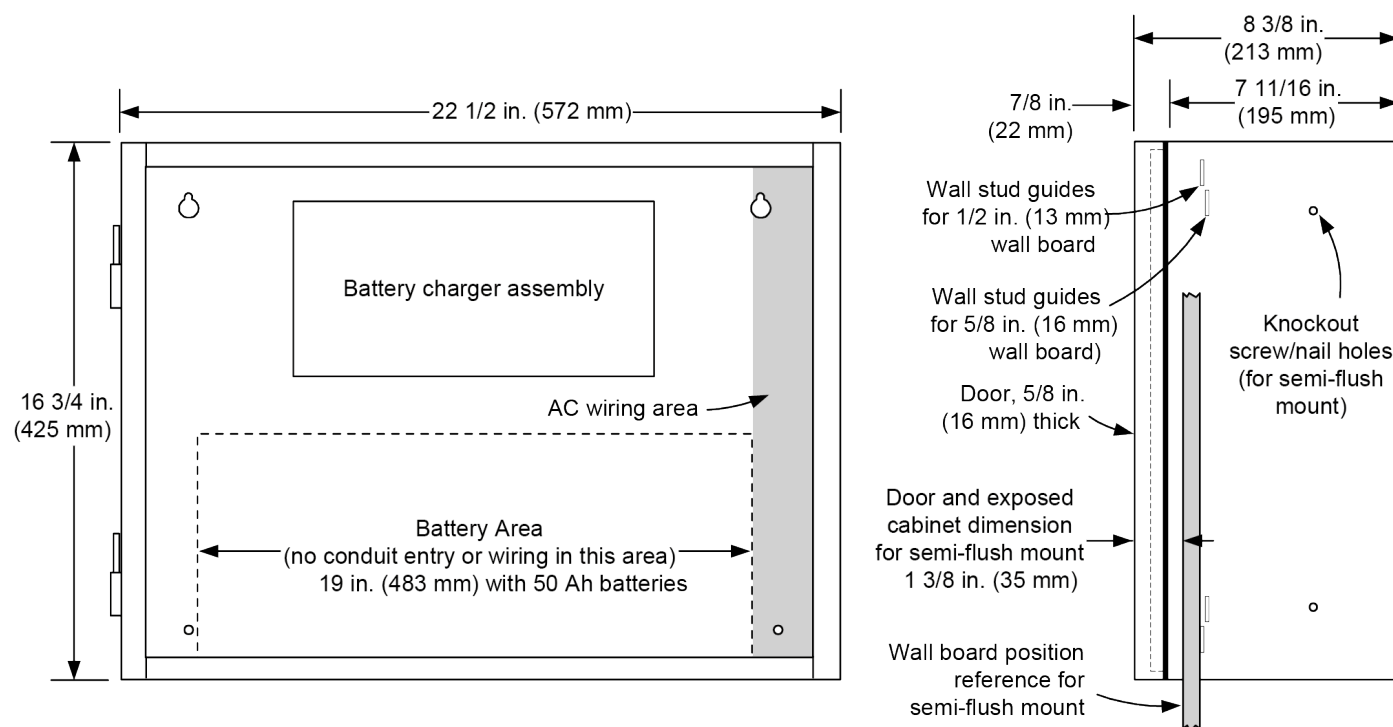
Model	Cabinet color	Description
4081-9301	Beige	Battery cabinet with charger, 120 VAC input
4081-9302	Red	

**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
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:

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