

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

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® Model 4010 Fire Alarm Control panel or Model 4004R Agent Release Control panel
- Accommodates up to 50 Ah batteries (batteries are ordered separately)
- Cabinets mount close-nipped to fire alarm control cabinet and can be installed either surface or semi-flush
- Control panels are selectable for depleted battery warning or depleted battery cutout
- Available with beige or red cabinet

Control panel connection controls charging circuit:

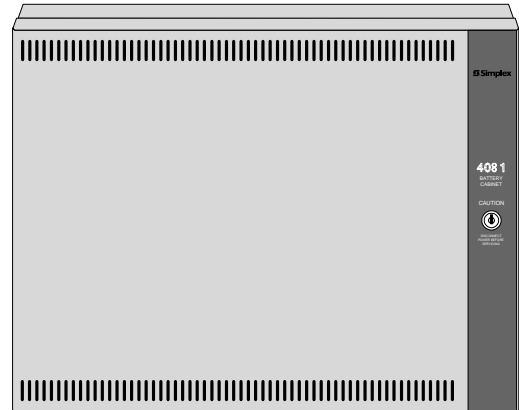
- Control panels periodically disable the charger and perform a battery test to monitor battery condition
- Missing batteries or low battery charge problems are identified and annunciated as troubles at the control panel

Description

Simplex Model 4010 Fire Alarm Control Panels 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 control panel allows the normally enabled remote charger circuit to be disabled allowing the control panel to evaluate battery status. Problems such as missing or low batteries are reported as troubles at the control panel.

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



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Specifications

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 to 132 VAC, 60 Hz
Current	1.1 A @ 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 @ 100.4° F (38° C) maximum
Wiring Connections	Terminal blocks for up to 12 AWG wire (3.31 mm ²)
Wiring Requirements	Two wires for battery connections; one additional wire required for charger control
Distance from Panel	20 ft (6 m) maximum
Dimensions (see drawing on page 2)	22-1/2" W x 16-3/4" H x 8-3/8" 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

External Battery Cabinet with Charger

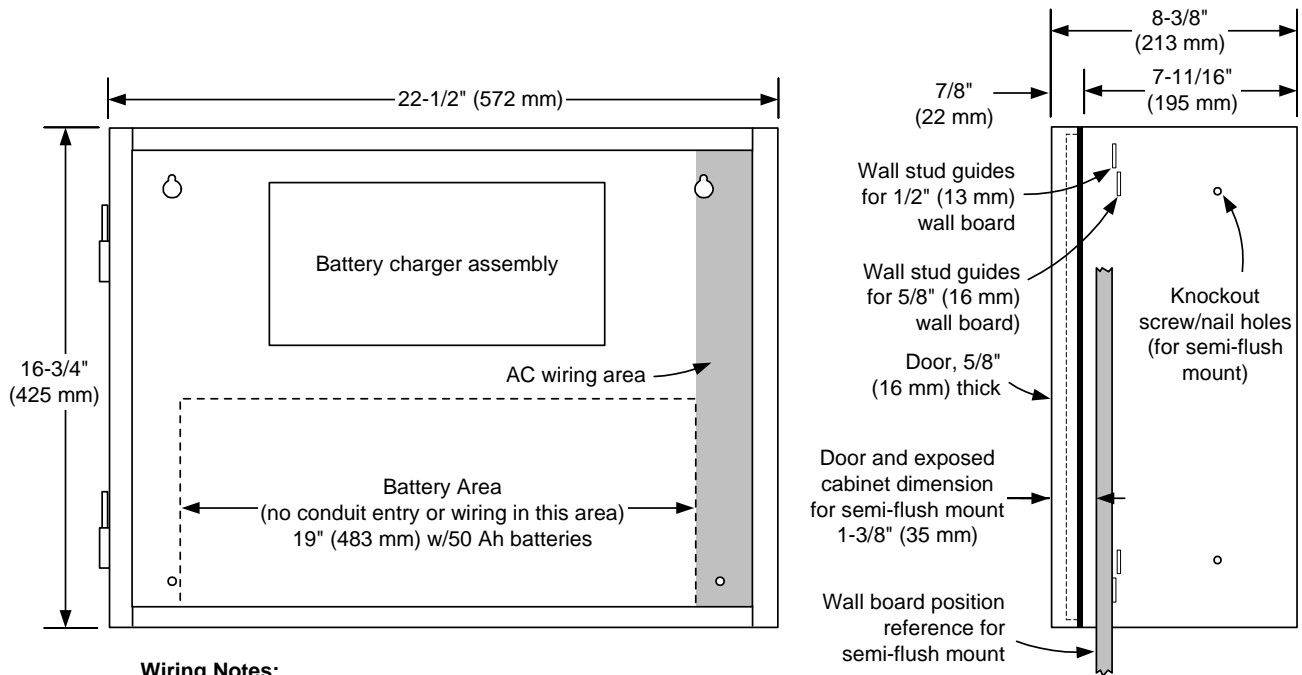
Model	Cabinet Color	Description
4081-9301	Beige	Battery Cabinet with Charger, 120 VAC input
4081-9302	Red	

Battery Selection Reference (ordered separately)

Model	Description	Voltage per Battery	Quantity
2081-9287*	25 Ah Sealed Lead-Acid Battery	12 VDC	2 Required
2081-9276	33 Ah Sealed Lead-Acid Battery	12 VDC	
2081-9211	50 Ah Sealed Lead-Acid Battery	6 VDC	4 Required
2081-9296	50 Ah Sealed Lead-Acid Battery	12 VDC	2 Required

* 2081-9287 Batteries will fit in the 4010 cabinet but are also compatible with these battery cabinets.

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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