PMB-AUX/PMB-AUX-RTO Power Supplies for the N16 Series FACP

General

The PMB-AUX and PMB-AUX-RTO are addressable power supplies and battery chargers compatible with the NOTIFIER INSPIRE™ N16 Series Fire Alarm Control Panel (FACP). These power supplies feature four power-limited NAC outputs which can be configured for either Class A or Class B wiring, and two 24VDC power limited auxiliary power outputs (AUX1 can be wired in Class A), and a remote sync input.

A maximum of two (2) PMB-AUX(-RTO) power supplies can be installed in a N16x series panel or compatible enclosure. The PMB power supply for the N16 FACP supports a maximum of five loop cards. One or two PMB-AUX(-RTO) power supplies can be added depending on total number of loop cards, battery charging and alarm load requirements.

Features

- Addressable on the CLP Bus
- Selectable charging current to charge 7AH to 100AH, charge up to 210AH with generation PMBNL-PCB Rev B or higher
- Battery/battery charger supervision
- Secondary Power Auxiliary Outputs: 24V @ 1.5A each
- UL listed for Agent and water releasing applications with FCM-1-REL
- Mounts in a CAB-5 or CAB-4 Series enclosure

Product Line Information

PMB-AUX: Addressable power supply/battery charger for N16 Series panels; chassis-mounted for installation in a CAB-5 Series cabinet.

PMB-AUX-RTO: Addressable power supply/battery charger for N16 Series panels; chassis-mounted for installation in a CAB-4 Series cabinet.



Agency Listings and Approvals

The file number(s) below reference the specific listings for the modules in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult NOTIFIER for latest listing status.

- **UL/ULC Listed:** S635
- **FM Approved:** FM23FPUS0095
- **CSFM:** 7165-0028:0516
- **FDNY:** COA#001761
- **Certified for Seismic applications in accordance with IBC 2024:** VMA-45894-01C
- **OSHPD Approved:** OSP-0072

Standards and Codes

These listings and approvals below apply to the PMB-AUX/PMB-AUX-RTO. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL 864**, 10th edition (Control Units and Accessories for Fire Alarm Systems)
- **UL 2017** (General-Purpose Signaling Devices and Systems)
- **UL 2610** (Commercial Premises Security Alarm Units and Systems)
- **ULC-S527-19** (Control Units and Accessories for Fire Alarm Systems)
- Should be installed as per NFPA 72 National Fire Protection Association

- **AC power**: 2.5A, 120VAC, 50/60 HZ; 1.25A, 240VAC, 50/60 Hz
- **24VDC aux outputs:**

  Aux Power 1
  - 24VDC, Class A/B
  - Power-limited (Class 2)
  - NAC 1.5 A Special Applications
  - Releasing 2.0 A Special Applications
  - Resettable/Non-Resettable

  Aux Power 2
  - 24VDC, Class B
  - Power-limited (Class 2)
  - NAC 1.5 A Special Applications
  - Releasing 2.0 A Special Applications
  - Resettable/Non-Resettable
- **NAC outputs (Power-limited Class 2):**
  - 24VDC, 1.5 Amps per circuit NAC special applications
    - Class A/B NAC power, Class D door holder power, special applications Class B aux power, UZC
    - 24VDC, 150 mA Regulated Class A/B NAC power
  - 2.56 ohm max wire loop resistance at 1.5A
  - Voltage drop 3.84V using 12-18AWG at alarm current level
  - 24VDC, 2.0 Amps Releasing Special Applications (with PMBNL-PCB Rev B or later generation)
  - End-of-Line Resistor 2.2K 1/2 W (ELR-2.2K)
- **CLP Bus connections**: Carry RS-485 data and internal 24V power to the SLM-318 loop cards and the core board on the N16 CPU assembly. PMB power supplies use only the RS-485 data.
- **Secondary power (battery) charging circuit**:
  - Sealed lead-acid battery charger which will charge 7-100 Ah batteries (Up to 210 Ah with PMBNL-PCB Rev B or later generation)
  - Charging current: None/disabled, 1A, 2A, 4.25A (also 5.5A with PMBNL-PCB Rev B or later generation)
  - Charging voltage: 27.6 VDC nominal
- **PMB battery charging configurations available (configured in VeriFire Tools)**:
  - No charger
  - Low (7-26AH)
  - Medium (33-55AH)
  - High (100AH)
  - Ultra High (210AH) with PMBNL-PCB Rev B or later generation
- **Wire sizes**: 10 AWG (5.26 mm²) to 22 AWG (0.326 mm²).
- **Shipping Weight**: 9 lbs (27.7kg)

ISO 9001 CERTIFIED
ENGINEERING & MANUFACTURING QUALITY SYSTEMS

This document is not intended to be used for installation purposes.
We try to keep our product information up-to-date and accurate.
We cannot cover all specific applications or anticipate all requirements.
All specifications are subject to change without notice.

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NOTIFIER
12 Clintonville Road
Northford, CT 06472
203.484.7161
www.notifier.com

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