



ALARM SAF

NAC POWER BOOSTER (PBL)



24V Fire Alarm NAC Extender

These power boosters are ideal in ADA applications where existing fire alarm equipment requires upgrading. These devices eliminate the need for increasing wire size to accommodate increased system loads. They can act as translators, able to power 24 V audio/visual indicators from a 12 V panel. The practical limit to the amount of boosters used in a Class A or Class B loop is set by the maximum loop length allowable by the host panel in the supervisory mode.. Integrated with 7 Ah of lead acid rechargeable batteries for reliable back-up.

DIMENSIONS

Cabinet Size

- 11" H x 15" W x 4" D
- 28cm x 38cm x 10cm

Cabinet Material

- 18 Gauge Painted Steel

Cabinet Battery Space

- B03
 - 4.5" H x 14.5" W x 4" D
 - 12cm x 37cm x 10cm

SPECIFICATIONS

Input Characteristics

- Input Voltage: 120VAC, 60 Hz., Single Phase
- Input Current: 1.5 to 3.0 Amperes (Model Dependent)

Output Characteristics

- Output Voltage: 13.8 or 27.6VDC (Model Dependent)
- Ripple: @ 50% Rated Load < 1%
- Overcurrent Protection
 - AC Fuse
 - Battery Fuse
 - Electronically Limited Regulators
 - PTCs (Current Limiting Protection)*
 - Circuit Breaker
- Thermal Protection
 - Transformer Link
 - Electronically Limited Regulators

Fault Detection Conditions Reported

- High Battery/Output
- Low Battery/Output
- Low AC/No AC/Blown AC Fuse
- Battery Presence/Fuse

Trouble Output

- Form "C" Relay Contacts
 - 10 A @ 26VDC

Temperature Range

- 32°F to 120°F
- 0°C to 50°C

*Polyswitch Circuit Protector, Power limited units only

FEATURES

Translator

- This unit has the capability of powering 24 V devices from a 12 V fire panel.

Supervised

- Unit circuitry is supervised. Any fault condition will open the bell loop during standby and cause a trouble signal back to the panel. This feature is inhibited during an alarm condition.

Stand-alone

- The booster must be powered from local AC.

Back-up

- Complete with a rechargeable lead-acid battery set.

Fail-safe

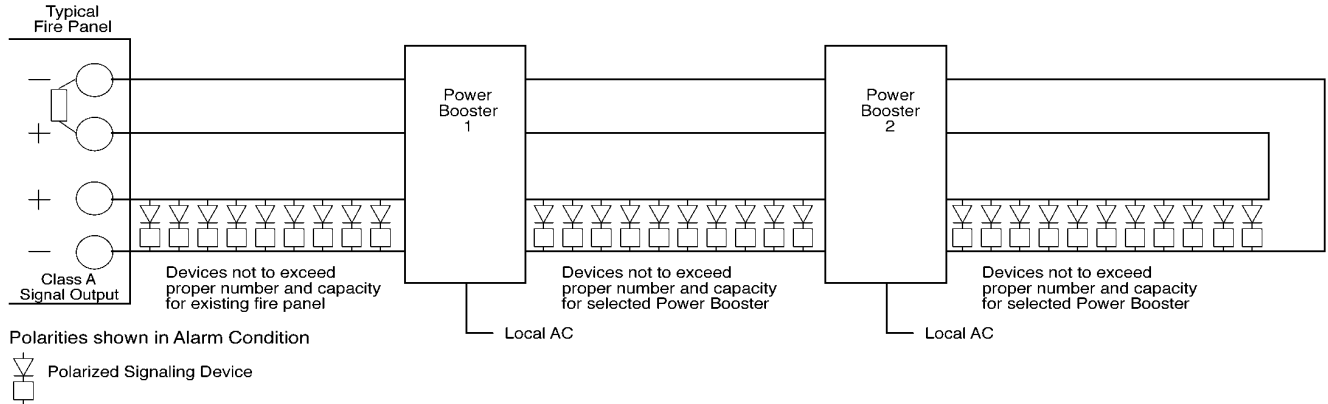
- Preserves integrity of the loop to the panel upon complete failure of the unit.

LISTINGS

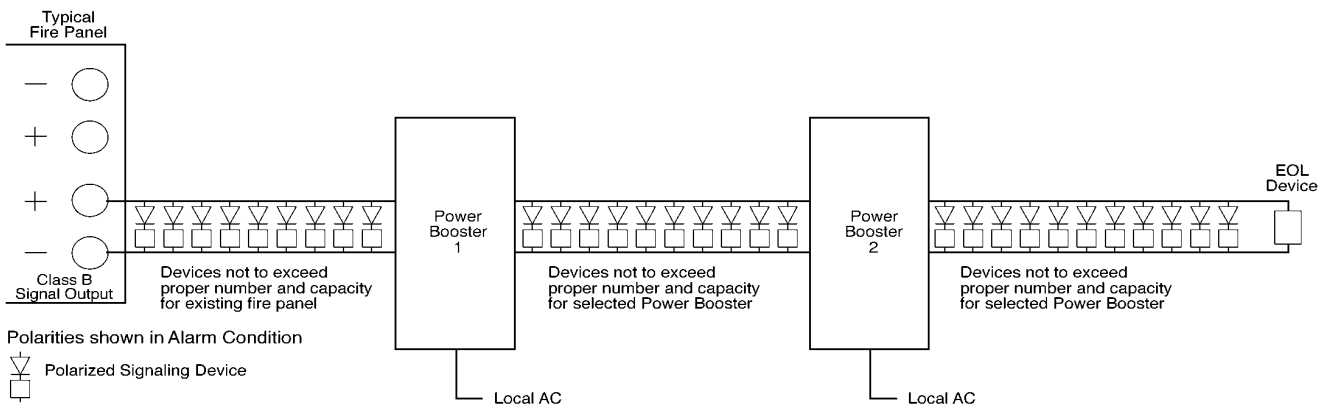
- NFPA 72 - Installation, Maintenance and Use of Protective Signaling Systems.
- NY MEA Accepted - # MEA 15-93-E
- CSFM Listed - #7300-1214:101
- UL864: Control Units for Fire-Protective Signaling Systems

TYPICAL INSTALLATIONS

Typical Class A (Style Z) Connection



Typical Class B (Style Y) Connection



ORDER INFORMATION

Order #	Model Number	Voltage	Current	Pwr Ltd	Battery Capacity
01801	PBLP-12030-B03-UL	12 VDC	3 A	Yes	7 Ah
01802	PBLP-24025-B03-UL	24 VDC	2.5 A	Yes	7 Ah
01901	PBLN-12045-B03-UL	12 VDC	4.5 A	No	7 Ah
01902	PBLN-24045-B03-UL	24 VDC	4.5 A	No	7 Ah
01805	PBLP-12030-B03-UL-NOBAT	12 VDC	3 A	Yes	7 Ah
01806	PBLP-24025-B03-UL-NOBAT	24 VDC	2.5 A	Yes	7 Ah
01906	PBLN-12045-B03-UL-NOBAT	12 VDC	4.5 A	No	7 Ah
01907	PBLN-24045-B03-UL-NOBAT	24 VDC	4.5 A	No	7 Ah