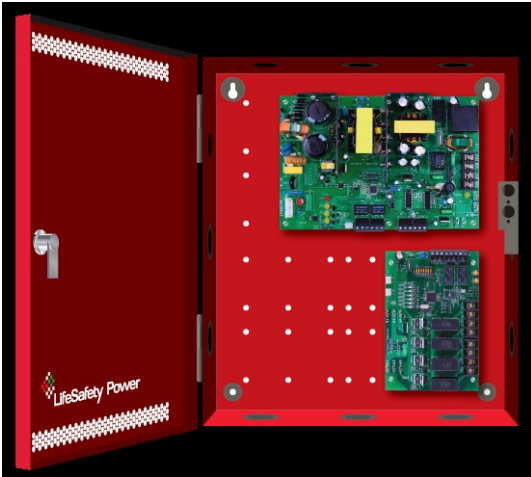


Four, Eight Zone NAC Power

Preconfigured Systems for Fire Alarm Signaling (NAC)



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Model #	Zone Count	Current per zone	Total Current
FPO150-N24E1R 4 Out	2 In 3A		6A
FPO250-N24E1R 4 Out	2 In 3A		10A
FPO250/250-2N24E2R 8 Out	4 In 3A		10A/10A

System Features

The four zone NAC expander products utilize an FPO150 or FPO250 power supply with an N24 NAC logic module in a 12" x 14" x 4.5" enclosure to create a modular NAC system capable of zone or feature expansion.

All products are identical in provided features, except for the power level which is offered in three increasing increments of 6, 8, or 10 Amp capability.

Eight zone units utilize multiple power supplies. [Contact customer service](#)

[/tab] [tab title="Overview"]

Systems configured specifically for fire signaling. NAC expanders with optional auxiliary outputs for door holder or other devices. NAC Expander zones accept class A and B inputs and outputs, configurable for 12 or 24VDC.

Product highlights

- FlexPower feature set
- Listed for Fire Alarm to UL864 9th edition
- Four zone systems provide two class A inputs, and two class A or four class B outputs
- Eight zone systems provide four class A inputs, and four class A or eight class B outputs
- Sync generator and temporal coding
- 3A per output zone, meets Class 2, power limited requirement
- Standard configured systems for four zone 6, 8, 10 and eight zone 12 Amp performance
- Battery capacity of up to 80 AH recharges within 48 hours for long standby times
- Fire alarm interface for control of egress locks, programmable by output
- Full fault detection and reporting, including optional battery presence and earth ground detection
- RED enclosure cover available

Reliability and Safety

- 10 year warranty
- Microprocessor based charging for increased battery and system reliability
- Elimination of shock hazards
- Shrouded AC connectors
- Insulated heatsinks
- Conformal coated PCBs

Agency Listings

USA

- UL 294 / UL 603 / UL 864
- UL 1076 / UL 1481 / UL 2044 / UL 2572
- FCC Part 15, Subpart B
- CSFM Approved

CANADA

- ULC S318 / ULC S319 / ULC S527
- CSA C22.2 # 107.1 / CSA 22.2 #60950

- Ontario ESA



[Product Warranty](#)

[/tab] [tab title="Technical Documents"]

Model #	Datasheet	Install Manual	CAD Files
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FPO150-N24E1R	DS	IM	CAD	AG
FPO250-N241E1R	DS	IM	CAD	AG
FPO250/250-2N24E2R	DS	IM	CAD	AG

[/tab] [tab title="Support"]

Troubleshooting Guide Factory Contact Business Contact
FPO Troubleshooting [Email Customer Service](#) [Accounting Office](#)
Accessory Troubleshooting [Email Technical Department](#) [Area Sales Representatives](#)

[/tab] [tab title="Tools & Software"] **Tools & Software**

Excel spreadsheets designed by the LifeSafety Power technical department to aid the installer in required calculations and example configurations of LifeSafety Power equipment when used in commonly found system applications.

Calculators / Software

- [PowerCom-USB Download](#)
- [Ohms Law Calculator](#)
- [Battery Size Calculator](#)
- [Battery Capacity Calculator](#)
- [Wire Size Calculator](#)
- [Voltage Drop Calculator](#)
- [FlexCalculator Suite](#)

Application Notes

- [AN01 Standard DC Product](#)
- [AN05 Fire alarm nac considerations](#)
- [AN06 Fire alarm door holder](#)
- [AN07 Cost effective dual voltage systems](#)
- [AN08 Dual buss distribution architecture](#)
- [AN09 E2 cabinet battery guide](#)

[AN17 D8 single voltage](#)

[AN18 D8 dual voltage](#)

[AN19 FlexPower buss structure](#)

[AN27 General FAI Input Usage](#)

[AN28 Drop egress locks on AC loss](#)

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