

# FireSwitch108

Managed NAC Power Extender



Altronix FireSwitch108 Networked NAC Power Extender adds greater flexibility and capacity to your system. Eight (8) Class B NACs are individually programmable for Aux. power or up to Four (4) Class A outputs. FireSwitch generates CO Temporal Code 4, compatible with Gentex®, Potter and System Sensor® signals. Selectable EOL resistor values simplify retrofits. Programmable LCD display interface and an ethernet port interface for remote programmability and monitoring add to flexibility and convenience.

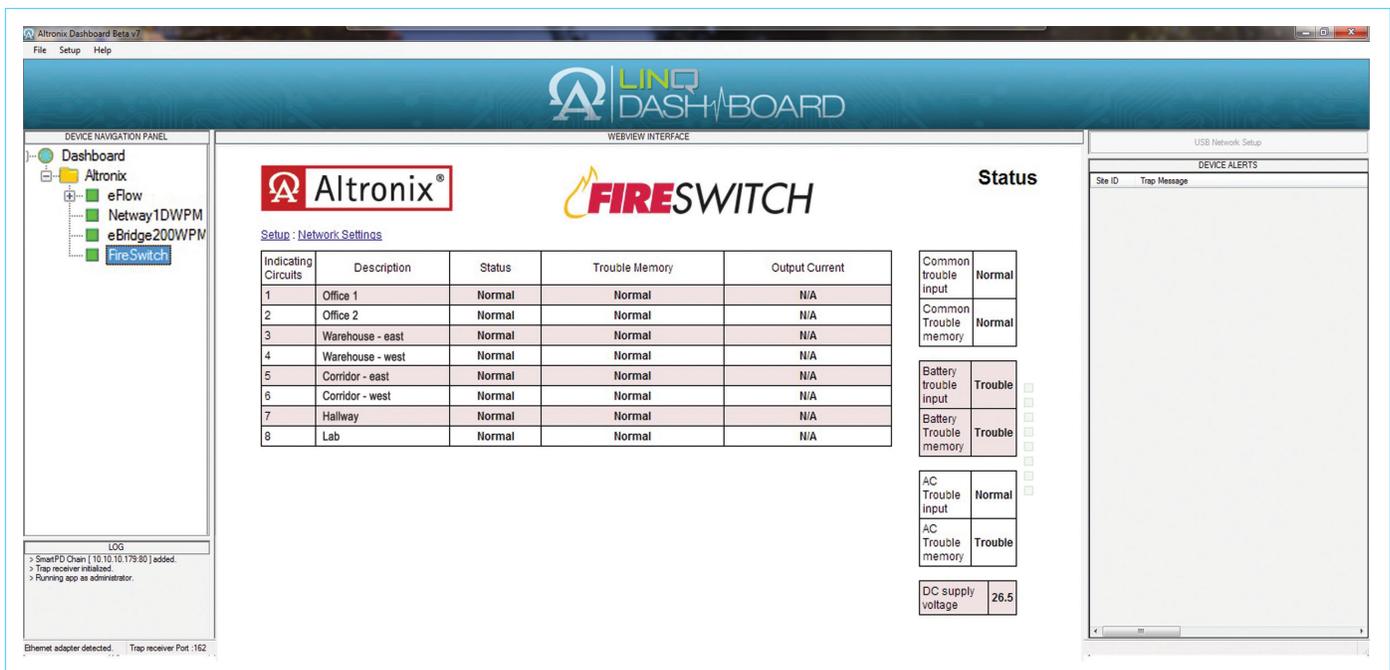


FireSwitch108

## Key Features

- Power outputs are programmable as:
  - 8 Class B NAC outputs;
  - 4 Class A NAC outputs;
  - Aux. power outputs (with or without battery backup);
  - Any combination of the above
- Local and remote status monitoring (LCD display/Ethernet port)
- EOL resistor value is programmable by output
- Temporal Code 3, Steady Mode and Input to Output Follower Mode
- CO Temporal Code 4 (NFPA720) include Gentex®, Potter and System Sensor® devices
- Thermal and short circuit protection with auto reset
- Signal circuit trouble memory - quickly locates intermittent system trouble and eliminates unnecessary service calls
- Synchronize up to twelve (12) FireSwitch108 units
- UL Listed in the U.S. and Canada for Fire Alarm Systems
- California State Fire Marshall Approved

## LINQ™ Dashboard with FireSwitch Management Interface:



The screenshot shows the Altronix LINQ Dashboard interface. On the left is a 'DEVICE NAVIGATION PANEL' with a tree view containing 'Dashboard', 'Altronix', 'eFlow', 'Netway1DWPM', 'eBridge200WPM', and 'FireSwitch'. Below this is a 'LOG' section with messages like 'SmartPD Chain [ 10.10.10.179.80 ] added.' and 'Trap receiver initialized.' At the bottom left, it says 'Ethernet adapter detected...' and 'Trap receiver Port: 162'.

The main area is the 'WEBVIEW INTERFACE' with the Altronix and FIRE SWITCH logos. Below the logos is a 'Setup: Network Settings' section. The central part of the interface features a table with the following data:

Indicating Circuits	Description	Status	Trouble Memory	Output Current
1	Office 1	Normal	Normal	N/A
2	Office 2	Normal	Normal	N/A
3	Warehouse - east	Normal	Normal	N/A
4	Warehouse - west	Normal	Normal	N/A
5	Corridor - east	Normal	Normal	N/A
6	Corridor - west	Normal	Normal	N/A
7	Hallway	Normal	Normal	N/A
8	Lab	Normal	Normal	N/A

To the right of the table is a 'Status' section with several indicators: 'Common trouble input' (Normal), 'Common Trouble memory' (Normal), 'Battery trouble input' (Trouble), 'Battery Trouble memory' (Trouble), 'AC Trouble input' (Normal), 'AC Trouble memory' (Trouble), and 'DC supply voltage' (26.5).

On the far right is a 'DEVICE ALERTS' section with a table for 'Site ID' and 'Trap Message'.

### Lifetime Warranty



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## Specifications

### Input

**Voltage** 120VAC 60Hz, 4.8A  
**FACP** Two (2) Class A or two (2) Class B  
 Two (2) configurable inputs trigger via Class A or Class B FACP signal circuits (polarity reversal) or dry contacts

### Outputs

**Voltage** 24VDC regulated power-limited NACs  
**Current** 10A max total alarm current  
 7A max stand-by without battery back-up  
 1A with battery back-up including Aux. output  
*(0.45A for Canadian applications)*

**Auxiliary** One (1) rated 1A (regulated, battery backed-up)  
*(0.45A for Canadian applications)*

**Other** Any NAC can be configured as an Aux. output, with or without battery backup

### Programmable supervised indicating circuit options:

Eight (8) Class B, four (4) Class A or any combination of Class A, Class B or Aux power

### Battery Charging

**Capacity** 12AH/12VDC (2 within enclosure)  
**Type** Sealed lead acid or gel type  
**Failover** Upon AC loss, instantaneous  
 Batteries are sold separately

### Low DC Power Shutdown

Prevents deep discharge (24VDC / 70-75%)

### Indicators (LED)

**LCD Display** Indicates trouble and conditions of operation  
 Facilitates quick identification of a fault.  
 Displays which output fault has occurred on

### Supervision

**AC Failure** Form "C" contacts  
**Battery Fail** Form "C" contacts  
**Battery Presence** Form "C" contacts

### Agency Listings

**UL/cUL**  
**UL 864** Control Units and Accessories for Fire Systems  
**CAN/ULC-S527-99**  
 Control Units for Fire Alarm Systems  
**FM** Factory Mutual Approved  
**CSFM** California State Fire Marshall Approved  
**NFPA 72 and NFPA 720 Compliant**

### Physical and Environmental

**Dimensions (H x W x D)**  
**Enclosure:** 15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm)  
**Shipping:** 16.5" x 13.5" x 6" (419.1mm x 342.9mm x 152.5mm)  
 Enclosure accommodates up to two (2) 12VDC/12AH batteries

### Weight (approx.)

**Product:** 12.4 lb. (5.62 kg)  
**Shipping:** 13.7 lb. (6.21 kg)

### Temperature

**Operating:** 0°C to 49°C (32°F to 120°F)  
**Storage:** - 20°C to 70°C (- 4°F to 158°F)

**Relative Humidity** 85% +/- 5%

**BTU/Hr (approx.)** 123 BTU/Hr.

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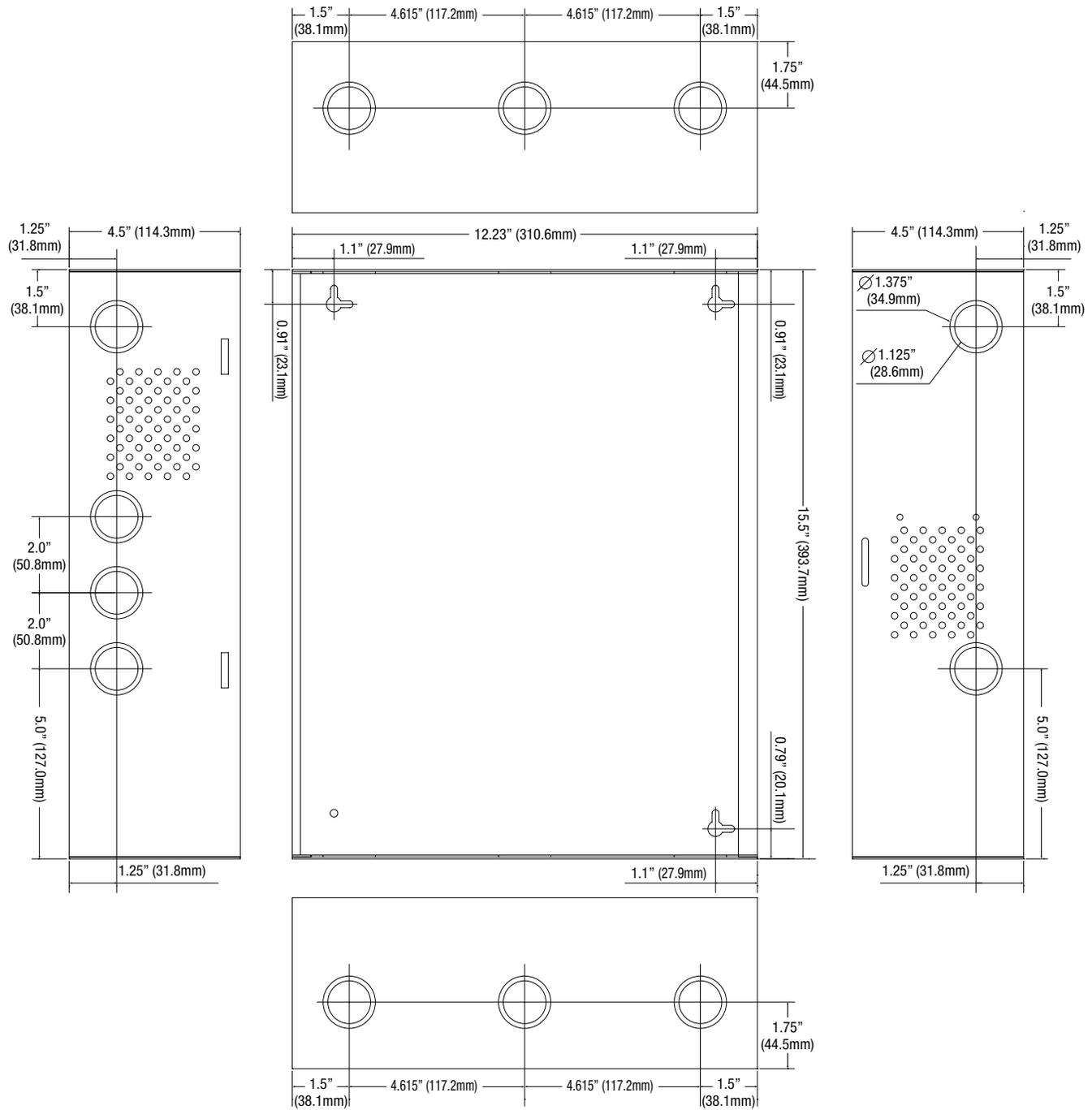
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## Dimensions and Drawing

Dimensions (H x W x D approximate)  
15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm)



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