

# FireSwitch108 Managed NAC Power Extender

## Description

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 LINQ Dashboard web interface. The central part of the dashboard displays the Altronix FIRE SWITCH logo and a table of indicating circuits. The table has 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' panel with the following 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
- DC supply voltage: 26.5

The left sidebar shows a navigation menu with 'Dashboard' selected, and a tree view containing 'Altronix', 'eFlow', 'Netway1DWPM', 'eBridge200WPM', and 'FireSwitch'. The bottom status bar shows 'Server status: Altronix', 'Top status: Port: 152'.



# FireSwitch108

## Managed NAC Power Extender

### 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 at 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.

#### Back-up Battery

**Type** Sealed lead acid or gel type.  
**Switchover** Upon AC loss, instantaneous.  
Zero voltage drop.

#### Supervision

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

#### 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.

#### Agency Listings

**UL/cUL**  
UL 864 Control Units and Accessories for Fire Systems.  
UL 2017 General Purpose Signaling Devices and Systems.  
CAN/ULC-S527-99 Control Units for Fire Alarm Systems.  
**FM** Factory Mutual Approved.  
**California State Fire Marshall Approved**  
**NFPA 72 and NFPA 720 Compliant**

#### Physical and Environment

**Dimensions (L x W x H)**  
15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm)  
Enclosure accommodates up to two (2) 12VDC/12AH batteries.  
**Product Weight** 12.4 lbs. (5.62 kg).  
**Shipping Weight** 13.7 lbs. (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.