

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 interface for the FireSwitch. The main area displays a table of indicating circuits 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

The status panel on the right shows 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



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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 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.