



Rev. 03082023

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 displays the LINQ Dashboard web interface. On the left is a 'DEVICE NAVIGATION PANEL' with a tree view showing 'Dashboard', 'Altronix', 'eFlow', 'Netway1DWPM', 'eBridge200WPM', and 'FireSwitch'. Below this is a 'LOG' section with messages: 'SmartPD Chain [10.10.10.179:80] added.', 'Trap receiver initialized.', 'Running app as administrator.', 'Ethernet adapter detected.', and 'Trap receiver Port: 162'. The main area is the 'WEBVIEW INTERFACE' with the Altronix and FireSwitch logos. It features a 'Setup: Network Settings' link and a table of 'Indicating Circuits'.

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 a grid of 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 columns for 'Site ID' and 'Trap Message'.

Lifetime Warranty

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA
phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com



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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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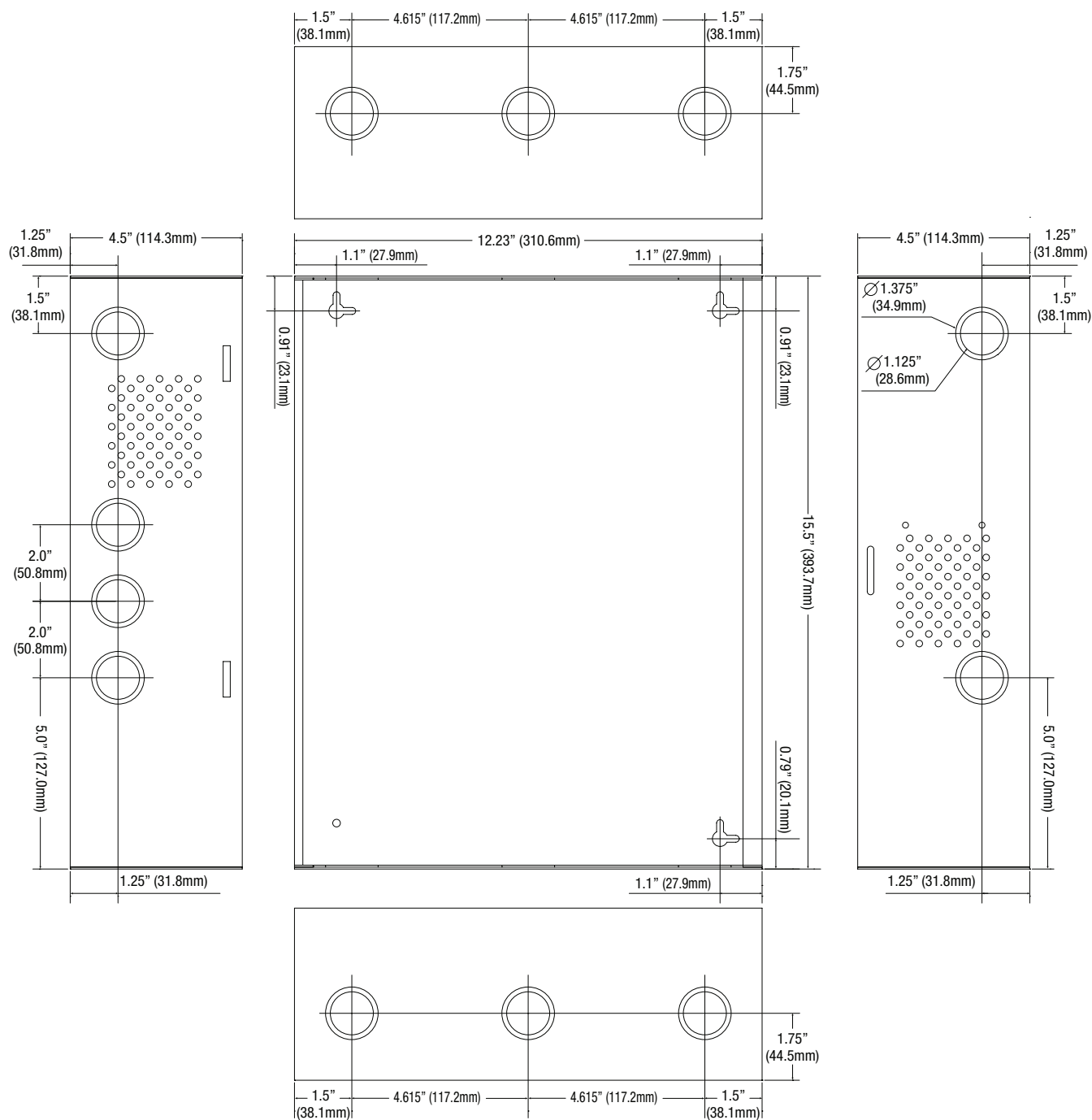
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Dimensions and Drawing

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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