

FireSwitch108 Managed NAC Power Extender



FireSwitch108

STANDARD 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.

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.

SPECIFICATIONS

INDEX

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.

PRODUCT LISTINGS



Specifications subject to change without notice.

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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.
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AGENCY LISTINGS

UL/Cul - UL 864	Control Units and Accessories for Fire Systems.
UL/Cul - 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).
Temperature: Storage	-20°C to 70°C (-4°F to 158°F).
Relative Humidity	85% +/-5%.
BTU/Hr. (approx.):	123 BTU/Hr.