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.

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:
## 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.
- **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: 0ºC to 49ºC (32ºF to 120ºF).
  - Storage: -20ºC to 70ºC (-4ºF to 158ºF).
- **Relative Humidity**: 85% +/- 5%.
- **BTU/Hr. (approx.)**: 123 BTU/Hr.