

Unimode 600 / Unimode 600ND

Unimode

Intelligent Fire Alarm Control Panel

Intelligent Fire Alarm Control Panel

General

The Unimode 600 is an intelligent analog/addressable fire alarm control panel (FACP). The basic Unimode 600 panel contains one built in signaling line circuit (SLC), which can support 159 LiteSpeed sensors and 159 LiteSpeed modules or per loop. Additional SLC loops can be added using the model 5815XL SLC expander to increase the overall point capacity to a maximum of 636 points per panel.

Unimode 600 has the interconnection capability for up to 8 panels. The system has two modes of operation, multiple panels covering one larger building, or multiple independent buildings.

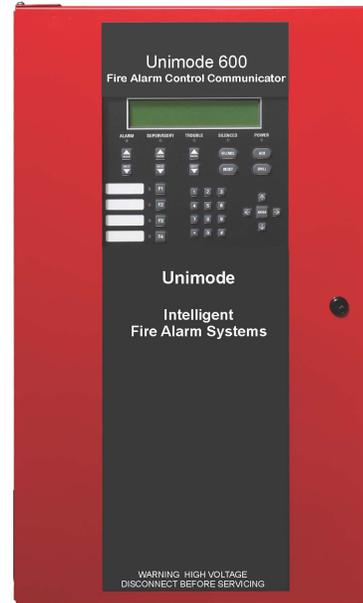
Unimode 600ND is used in a networked system where at least one Unimode 600 is in the system. It is the same as an Unimode 600 without the display.

Unimode 600 has eight on-board Flexput™ circuits that can be configured for auxiliary power, notification outputs, or for conventional smoke detector inputs (Class A or Class B). The FACP also has a built-in, dual-line digital fire communicator, Form C trouble relay, and two programmable Form C relays. Unimode 600 has powerful features such as detector sensitivity, day/night thresholds, drift compensation, pre-trouble maintenance alert, and calibration trouble alert.

Unimode 600 supports a variety of devices, including Unimode 600ANN remote annunciator, 5824 serial/parallel printer interface module (for event logging system reports), intelligent power module, and Fire-Lite (LiteSpeed) devices.

Features

- Built-in support for up to 159 LiteSpeed sensors and 159 LiteSpeed modules. SLC expander will increase overall capacity to 636 points per Unimode 600 panel.
- Unimode 600ND is used in a networked system where at least one Unimode 600 is in the system.
- Up to eight Unimode 600 or Unimode 600ND panels can be networked providing up to 5088 total points.
- Networked panels can be configured to emulate a large virtual system or can be segmented into separate sites for multiple building applications.
- Built-in UL listed digital communicator for remote reporting of system activity and system programming.
- 9.0A of output power is available through 8 sets of terminals for notification and auxiliary applications per panel.
- Supports Class B (Style 4) and Class A (Style 6 or Style 7) configuration for SLC, and SBUS's.
- Flexput™ I/O circuits configurable for auxiliary power, notification outputs, or conventional smoke detector inputs. Notification circuits can be configured as Class A (Style Z) or Class B (Style Y). 2- and 4-wire smoke detectors can be configured as Class A (Style D) or Class B (Style B).
- Built-in USB interface for programming.
- Two RS-485 buses provide communication to system accessories.
- Dedicated Form C trouble relay and two general purpose Form C programmable relays rated at 2.5 amps at 24 VDC.
- 13 preset notification cadence patterns (including ANSI 3.41) and four user programmable patterns.
- Four line LCD display with 40 characters per line.
- Built-in synchronization for appliances from AMSECO, Gentex®, System Sensor®, and Wheelock®.
- 999 software zones and 999 output groups.
- Programmable date setting for Daylight Saving Time.
- JumpStart auto programming allows for faster set up time by selecting default options for many programming tasks.
- The Unimode 600 / Unimode 600ND can be surface or flush mounted.
- Four programmable function keys.



Unimode 600

Specifications

Unimode 600 AC: 120 VAC, 50/60 Hz, 5.0A
Total Accessory Load: 9A @ 24 VDC power-limited
Standby Current: 290 mA
Alarm Current: 530 mA
Battery Charging Capacity: 17 to 55 AH
Battery Size: 18 AH max. allowed in control panel cabinet. Larger capacity batteries can be housed in RBB or AB-55 accessory cabinet.
Flush Mount Dimensions:
14.75"W x 25"H x 4"D (37.5cm W x 63.5cm H x 10.16cm D)
Overall Dimensions:
16"W x 26.4"H x 4.65"D (40.6cm W x 67cm H x 11.8cm D)
Weight: 28 lbs. (12.8 kg)
Operating Temperature: 32°F – 120°F (0°C – 49°C)
Humidity: 10% – 93% non-condensing
Eight circuits that can be programmed individually as:
-Notification Circuits: 3A per circuit @ 24 VDC, power-limited
-Auxiliary Power Circuits: 3A per circuit @ 24 VDC, power-limited
-Initiation Circuit: 100 mA per circuit @ 24 VDC, power-limited
Requirements: FCC Part 15 & Part 68 approved
Jack: RJ31X (two required)

Listings and Approvals

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- NFPA 13, NFPA 15, NFPA 16, NFPA 70, & NFPA 72
- UL Listed: S232

Approved Releasing Solenoid

Manufacturer	Part number	Rating	Current	Freq
Asco	T8210A107	24 VDC	3 A max	0 Hz
Asco	8210G207	24 VDC	3 A max	0 Hz

Product Line Information

Unimode 600	Intelligent Fire Alarm Control Panel
Unimode 600ND	Intelligent Fire Alarm Control Panel without built in display
Unimode 600ANN	Red Remote Annunciator. Four line LCD annunciator with 40 characters per line.
Unimode 600ANNG	Gray Remote Annunciator. Four line LCD annunciator with 40 characters per line.
5815XL	Signal Line Circuit (SLC) Expander
5496	6 amp intelligent Power Module
5824	Serial/Parallel Printer Interface Module
5880	LED I/O Module
5865-3 & 5865-4	LED Fire Annunciators
5883	Relay Interface Board
Unimode 600PK	Software Suite - 2. Provides programming, upload/download, and event reporting
RBB:	Remote Battery Box Accessory Cabinet. Use for backup batteries up to 35 AH. Dimensions: 16" W x 10" H x 6" D.
AB-55	Remote Battery Box Accessory Cabinet. Use for backup batteries that are 35 AH - 55AH. Dimensions: 20" W x 12" H x 7.5" D.

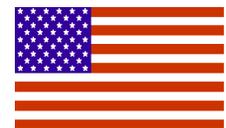
Fire-Lite (LiteSpeed) Devices

See the document listed below for a complete listing of the devices:

PN 15384 Fire-Lite Device Compatibility Document

This document is not intended to be used for installation purposes.
We try to keep our product information up-to-date and accurate.
We cannot cover all specific applications or anticipate all requirements.
All specifications are subject to change without notice.

For more information, contact Tyco. Phone:(561) 988-3600, Fax: (561) 988-3675
www.unimode.com



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