

FireShield Plus

Conventional Fire Alarm Control Panels









Overview

The FireShield Plus fire alarm family consists of 3, 5 and 10 zone conventional fire alarm control panels, an integrated DACT/Dialer, serial annunciator modules, and serial remote relay modules. All of these components are microprocessor-controlled. The FireShield Plus family is ideal for both new and retrofit installations alike.

FireShield Plus incorporates features designed to simplify installation, operation and maintenance. These include front panel programming, one person walk testing, and selectable IDC and NAC types. In addition, when used with Edwards CleanMe®-compatible smoke detectors, FireShield Plus provides analog type features such as remote maintenance alert and automatic drift compensation that reduces false alarms and simplifies maintenance calls.

FSP502 and FSP1004 panels support Class A operation by combining pairs of on-board initiating curcuits (IDCs) or notification circuits (NACs) to provide the necessary Class A circuits. For example, the FSP1004 comes factory set to support 10 Class B IDCs and four NACs. But it can be field-configured to provide five Class A IDCs, no Class B IDCs, and two Class A NACs – or any other combination of circuits that fall within the circuit-pairing parameters.

| | FSP1004 | FSP502 | FSP302 |
|-----------------|-----------|----------|---------------|
| Class B IDCs | Up to 10 | Up to 5 | 3 |
| Class A IDCs | Up to 5 | Up to 2 | Not supported |
| Class B NACs | Up to 4 | Up to 2 | 2 |
| Class A NACs | Up to 2 | 1 | Not supported |
| NAC Power | 3.5 amps* | 3.5 amps | 3.5 amps |
| Auxiliary power | 0.5 amps | 0.5 amps | 0.5amps |

Note: Class A operation will reduce the number of available Class B IDCs and/or NACs, depending on the panel configuration. See Specifications on page 5 for details

*Expandable to 7.0 amps

Standard Features

- Available in 3, 5, and 10 IDC models
- IDC or NAC pairs convertible to single Class A circuits (10 and 5 IDC panels only)
- CleanMe® provides remote annunciation if a detector drifts out of UL/ULC limits reducing the chance of a false alarm
- Combination Waterflow and Supervisory IDCs reduces wire and zone counts
- NACs programmable by zone and individually selectable for Genesis, continuous, temporal outputs, or coded
- · Front panel programmable simplifies installation and servicing
- Optional fully integrated DACT/Dialer for PC programming
- Genesis option allows precision synchronization and audible silence over two wires without additional modules
- On-board relays for Alarm, Supervisory and Trouble
- Optional serial bus relay modules are programmable for common or zone activation
- · Optional serial bus remote annunciator family
- One person walk-test (audible or silent)
- Expandable power supply on 10 IDC panel reduces booster power costs
- Trim ring available for semi-flush mounting
- Supports "MC", 7349, 400, 500 and 700 series detectors

Application

FireShield Plus provides smoke and fire detection, occupant notification and off-premises signaling for small- to medium-sized buildings.

Each IDC can be configured for either Class B or Class A operation and one of eight operating modes:

- Alarm –with or without smoke detector verification including discrimination of contact devices
- · Waterflow Alarm:
- Waterflow Alarm/Supervisory (Combination IDC);
- Supervisory (Latching/non-latching);
- Monitor (non alarm or supervisory)
- Signal Silence
- Drill
- Cross zoning

NACs may also be configured for either Class B or Class A operation. Additionally, NACs can be individually configured for one of six outputs. These are Genesis, Genesis (A/V silenceable), Continuous, Temporal, Coded, and City Tie. The Genesis selection allows independent horn control over two wires and provides precision synchronization for Genesis devices, all without the need for a Genesis Signal Master accessory.

When configured for Genesis notification appliances, FireShield Plus's Alarm Silence function will silence connected Genesis audible appliances but Genesis strobes will remain active until the panel is reset. When Genesis Mode is selected, both the horns and strobes on Genesis and Enhanced Integrity notification appliances will be synchronized across all NACs.

Note: zones may be selected for either latching or non-latching operation.

Detectors with intelligent features at a conventional price

When combined with Edwards CleanMe® -compatible smoke detectors, FireShield Plus provides intelligent features at a conventional price. If a CleanMe® detector drifts out of the UL/ULC sensitivity range, Vigilant's patented remote maintenance reporting sends an alert to the FireShield Plus control panel. This feature reduces the chance of a false alarm and



simplifies service calls. In addition, CleanMe®-compatible smoke detectors have built-in drift compensation that extends the time between cleanings. If cleaning is ever necessary, it is literally a snap with Vigilant's exclusive replaceable optical chamber,

Panel LED Display

The following system LEDs display the panel's status:

- Alarm panel is in the alarm state:
- Trouble panel is in the trouble state;
- Supervisory panel is in the supervisory state;
- Power indicates the status of the AC power source;
- Disable indicates when any IDC, NAC, relay or the DACT is disabled;
- Annunciator Trouble indicates trouble on the remote annunciator bus:
- Battery Trouble indicates battery or charging problems;
- Ground Fault indicates a short between any panel circuit and ground;
- Walk Test indicates that one or more IDCs are in the walk test mode;
- Alarms Silenced indicates that the panel is in the alarm state with one or more NACs silenced.
- Waterflow indicates that one or more circuits have detected an active waterflow switch.
- Service Detector indicates the presence of a dirty detector.
- Remote Disconnect indicates off site communication has been disabled.

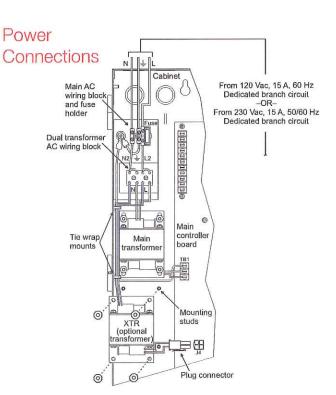
Each IDC has a disable switch and three LEDs:

- Alarm red indicates that the IDC is in the alarm state;
- Trouble yellow indicates that the IDC is in the trouble state or is disabled (when flashing);
- Supervisory/Monitor yellow indicates that the IDC is in the supervisory state or the monitor state (when flashing).

Each NAC also has a disable switch and a trouble/disable LED.

Status indication with the DACT/Dialer installed

The dialer's LCD display provides two lines x 16 characters of text. For programming, the top line displays the programming step and the lower line displays the selected option. All system events are displayed on the LCD with custom zone messages. During normal operation, the LCD will display any off-normal condition present in the panel.



Options

Off-premise communication

A fully integrated FireShield Plus DACT/dialer is available for reporting events to a monitoring facility. The DACT also supports uploading or downloading of system configuration, status and event history. The DACT is programmable for either single or dual line operation. It also supports split and dual reporting for two digital alarm receivers.

The DACT brings additional features to the panel including a 32-character alphanumeric LCD display, local or remote PC programming and an event history log.

Remote Annunciators and Relays

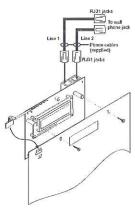
The serial bus standard on all FireShield Plus models is another installation time-saver. This circuit allows the connection of Remote System Indicators (FSRSI), Remote Zone Indicators (FSRZI-A, FSRZI-SA) and Remote Relay Modules (FSRRM24) over a four-wire (data and power) circuit, Annunciator and relay modules can be installed up to 1,000 feet from the panel on 18-gauge wire.

Modules are also available for City Tie (CTM) and Reverse Polarity (RPM) connections.

DACT/Dialer



The DACT/Dialer installs behind the front panel display.



Note: All panel versions are available with factory installed DACT. See order table for ordering information.

The optional DACT/Dialer is a multifunction module that provides communications, modem capability, and LCD display functions. Its primary function is as a Digital Alarm Communicator Transmitter (DACT). As a DACT, it transmits event messages to a Digital Alarm Communicator Receiver (DACR) at a monitoring facility. The monitoring facility then notifies the fire department and other responsible parties of the event. Programmable options include single or dual line operation, and split or dual reporting to two DACRs.

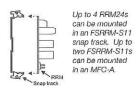
The DACT module can also be used as a modem to connect the panel to both local and remote computers for uploading and downloading of configuration data (programming), panel status and event history. For security, the modem can be configured to accept programming on incoming calls or it can be required to call a preprogrammed number before accepting downloads and sending uploads.

The DACT module can be configured to work as all of the above, or as only an LCD display or LCD display and modem.

Remote Relay Module



The Remote Relay Module mounts on a plastic track inside an MFC-A cabinet.



From control panel or previous device

Communication in + Communication out - Communication in - Communication out - Communication in - Communication out + Communication out - Communicat

The Remote Relay Module (FSRRM24) is one component of the system that sets FireShield Plus apart from other panels in its class. This module has five Form C relays rated at 1 amp each. It can be configured to function in either a zone relay mode or a common system mode.

When configured in the zone relay mode, relays energize when the associated IDC is active. The module can be configured for activation by IDCs 1 through 5 or IDCs 6 through 10. One relay is automatically associated with each IDC.

When configured in the common system mode, relays energize or de-

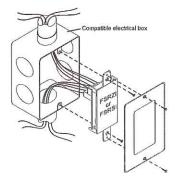
energize when the panel changes state. One relay is available for each of the following functions: Alarm, Supervisory, Trouble, Power Loss, Monitor.

The FSRRM24 mounts on a plastic snap track and can be installed in an MFC-A or other listed fire alarm enclosure. The panel will support two RRMs of each configuration for a total of six on the 10-zone panel.

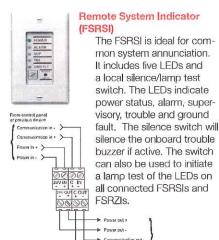
Remote Annunciators

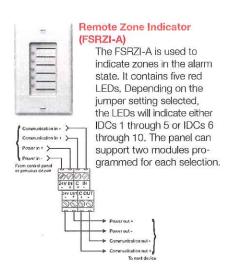


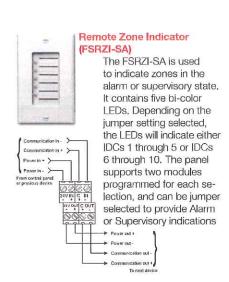
The FireShield Plus family has several remote annunciation options. The serial remote annunciator bus can be run up to 1000 feet (305 m) on untwisted non-shielded 18-gauge cable. Serial annunciator models round out the family to provide a range of features and functions. As many as three annunciator modules may be mounted in a standard electrical box, sharing an attractive trim plate that blends with any decor.



The FSRSI can be installed alone or with one or more FSRZIs. The FSRSI and FSRZI-A require trim plates (ordered separately). These are available in one, two or three gang models. Each panel will support two FSRSIs.







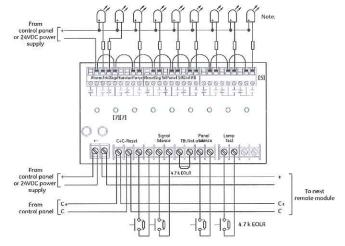
FSRA10, FSRA10C Remote LED annunciators

The FSRA10 is a remote annunciator with capacity for up to ten zones. It includes ten bi-color LEDs (red/yellow) for indicating active zones, and ten yellow LEDs for indicating zone troubles. The (C) option adds common control switches. Both versions mount to standard North American 4-inch square electrical boxes. A surface box is also available.

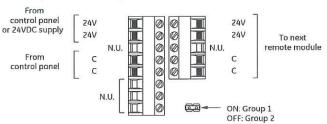


FSUIM Graphic Driver/Interface

The FSUIM is a universal interface module that can be used by FireShield to drive graphic annunciators. It also allows FireShield control panels to control, or be controlled by, other control panels. The FSUIM provides five supervised switch inputs and nine dry contact relay outputs. Nine LEDs provide visual confirmation when each relay is energized. The FSUIM is shipped with a plastic snap track for mounting in an MFC-A cabinet or other listed fire alarm enclosure.



FSRA10, FSRA10C Wiring



Remote Annunciator Specifications

| Agency Listings | UL864 (53000 | UL864 (53000), ULC-S527, CSFM | | | | | |
|--|---|---|--|--|--|--|--|
| , , | | | | | | | |
| Remote Annunciators | FSRSI Remote System Indicator | FSRZI-A/FSRZI-SA Remote Zone Indicator | | | | | |
| Maximum per System | All panels: 2 | 10 zone panel: 4 3 or 5 zone panel: 2 | | | | | |
| Current Requirements | Standby: 17 mA Alarm: 56 mA | Standby: 8 mA Alarm 76 mA | | | | | |
| oltage Range | | lc; Maximum: 27.3 Vdc | | | | | |
| Maximum Circuit Capacitance | |),03 μF | | | | | |
| Maximum Circuit Resistance | | 3 Ohms | | | | | |
| Vire Size | |).75 mm² - 2.5 mm²) | | | | | |
| Mounting | ANSI/NEMA OS1-19 | 96 1-3 gang electrical box | | | | | |
| Operating Environment | Temperature: 32 - 120° F (0 - 49° | C); Humidity: 93% RH, non-condensing | | | | | |
| | Configured for Zone Mode | Configured for Common Mode | | | | | |
| Remote Relay Module – FSRRM24 | 10 zone panel: 4; 3 or 5 zone panel: 2 | All panels: 2 | | | | | |
| Maximum per system | Standby: 10 mA; Alarm: 70 mA | Standby: 26 mA; Alarm: 70 mA | | | | | |
| Current Requirements | Minimum: 19.9.1/ | de; Maximum: 27.3 Vde | | | | | |
| /oltage Range | | @ 30 Vdc | | | | | |
| Contact Rating | 1000 | | | | | | |
| Maximum Circuit Capacitance | | 0.03 µF 3 Ohms | | | | | |
| Maximum Circuit Resistance | | | | | | | |
| Wire Size | 18 - 12 AWG (| 0.75 mm² - 2.5 mm²) | | | | | |
| Mounting | Single FSRRM24 mounts in plastic track (included) or up to four FSRRM24s in an FSRRM-S11 11" track ordered separately. FSRRM24s should be installed in an MFC-A or other listed fire alarm enclosure. | | | | | | |
| Operating Environment | Temperature: 32 - 120° F (0 - 49° | C); Humidity: 93% RH, non-condensing | | | | | |
| Dimensions | 2-3/4" W x 3-3/8" H x 1-1/2" D (6 | 65.9 mm W x 85.7 mm H x 38.1 mm D) | | | | | |
| | | | | | | | |
| F-Series Remote Annunciators | FSRA10 | FSRA10C | | | | | |
| Common Controls | No | Yes | | | | | |
| 001111101100111011 | E E/0" v 01/2" v 1 1/2" in | (14.3 cm x 21.4 cm x 3.8 cm) | | | | | |
| | 3-3/6 X 6/2 X 1 /2 III | North American 4-inch square electrical box or listed enclosure | | | | | |
| Dimensions | North American 4-inch squa | re electrical box or listed enclosure | | | | | |
| Dimensions Mounting | North American 4-inch squa 18 to 12 AWG | re electrical box or listed enclosure (0.75 to 2.50 sq mm) | | | | | |
| Dimensions Mounting Power Wiring | North American 4-inch squa 18 to 12 AWG 18 to 12 AWG (0.75 to 2.50 sq mr | re electrical box or listed enclosure (0.75 to 2.50 sq mm) n) twisted pair (6 twists per foot minimum) | | | | | |
| Dimensions Mounting Power Wiring Data Wiring | North American 4-inch squa 18 to 12 AWG 18 to 12 AWG (0.75 to 2.50 sq mr 18.8 Supply must be UL/ULC lister | re electrical box or listed enclosure (0.75 to 2.50 sq mm) n) twisted pair (6 twists per foot minimum) to 27.3 Vdc If for fire protective signaling systems. uts that are interrupted when the panel is reset. | | | | | |
| Dimensions Mounting Power Wiring Data Wiring Operating voltage | North American 4-inch squa 18 to 12 AWG 18 to 12 AWG (0.75 to 2.50 sq mr 18.8 Supply must be UL/ULC listed Do not use FACP accessory power outp | re electrical box or listed enclosure (0.75 to 2.50 sq mm) n) twisted pair (6 twists per foot minimum) to 27.3 Vdc If for fire protective signaling systems. uts that are interrupted when the panel is reset. 17 mA | | | | | |
| Dimensions Mounting Power Wiring Data Wiring Operating voltage Standby current | North American 4-inch squa 18 to 12 AWG 18 to 12 AWG (0.75 to 2.50 sq mr 18.8 Supply must be UL/ULC listed Do not use FACP accessory power outp | re electrical box or listed enclosure (0.75 to 2.50 sq mm) n) twisted pair (6 twists per foot minimum) to 27.3 Vdc If for fire protective signaling systems. uts that are interrupted when the panel is reset. 17 mA 98 mA | | | | | |
| Dimensions Mounting Power Wiring Data Wiring Operating voltage Standby current Alarm current Operating environment | North American 4-inch squa 18 to 12 AWG 18 to 12 AWG (0.75 to 2.50 sq mr 18.8 Supply must be UL/ULC listed Do not use FACP accessory power outp | re electrical box or listed enclosure (0.75 to 2.50 sq mm) n) twisted pair (6 twists per foot minimum) to 27.3 Vdc If for fire protective signaling systems. uts that are interrupted when the panel is reset. 17 mA 98 mA | | | | | |
| Dimensions Mounting Power Wiring Data Wiring Operating voltage Standby current Alarm current Operating environment | North American 4-inch squa 18 to 12 AWG 18 to 12 AWG (0.75 to 2.50 sq mr 18.8 Supply must be UL/ULC listed Do not use FACP accessory power outp | re electrical box or listed enclosure (0.75 to 2.50 sq mm) n) twisted pair (6 twists per foot minimum) to 27.3 Vdc If for fire protective signaling systems. uts that are interrupted when the panel is reset. 17 mA 98 mA | | | | | |
| Dimensions Mounting Power Wiring Data Wiring Operating voltage Standby current Alarm current Operating environment FSUIM Universal Input Module | North American 4-inch squa 18 to 12 AWG 18 to 12 AWG (0.75 to 2.50 sq mr 18.8 Supply must be UL/ULC lister Do not use FACP accessory power outp | re electrical box or listed enclosure (0.75 to 2.50 sq mm) n) twisted pair (6 twists per foot minimum) to 27.3 Vdc If for fire protective signaling systems. uts that are interrupted when the panel is reset. 17 mA 98 mA | | | | | |
| Dimensions Mounting Power Wiring Data Wiring Operating voltage Standby current Alarm current Operating environment FSUIM Universal Input Module Mounting | North American 4-inch squa 18 to 12 AWG 18 to 12 AWG (0.75 to 2.50 sq mr 18.8 Supply must be UL/ULC listed Do not use FACP accessory power outp Temperature: 32 to 120 °F (0 to 49 °C); Hum | re electrical box or listed enclosure (0.75 to 2.50 sq mm) n) twisted pair (6 twists per foot minimum) to 27.3 Vdc If for fire protective signaling systems. uts that are interrupted when the panel is reset, 17 mA 98 mA idity: 0 to 93% RH, noncondensing at 90 °F (32 °C) | | | | | |
| Dimensions Mounting Power Wiring Data Wiring Operating voltage Standby current Alarm current Operating environment FSUIM Universal Input Module Mounting Wire size | North American 4-inch squate 18 to 12 AWG 18 to 12 AWG 18 to 12 AWG (0.75 to 2.50 sq mr 18.8 Supply must be UL/ULC listed Do not use FACP accessory power output Temperature: 32 to 120 °F (0 to 49 °C); Human MFC-A cabinet or 12 to 18 AWG | re electrical box or listed enclosure (0.75 to 2.50 sq mm) n) twisted pair (6 twists per foot minimum) to 27.3 Vdc If for fire protective signaling systems. uts that are interrupted when the panel is reset. 17 mA 98 mA idity: 0 to 93% RH, noncondensing at 90 °F (32 °C) listed fire alarm enclosure | | | | | |
| Dimensions Mounting Power Wiring Data Wiring Operating voltage Standby current Alarm current Operating environment FSUIM Universal Input Module Mounting Wire size Operating voltage | North American 4-inch squate 18 to 12 AWG 18 to 12 AWG 18 to 12 AWG (0.75 to 2.50 sq mr 18.8 Supply must be UL/ULC listed Do not use FACP accessory power output Temperature: 32 to 120 °F (0 to 49 °C); Hunder MFC-A cabinet or 12 to 18 AWG 21.2 | re electrical box or listed enclosure (0.75 to 2.50 sq mm) n) twisted pair (6 twists per foot minimum) to 27.3 Vdc If for fire protective signaling systems. uts that are interrupted when the panel is reset. 17 mA 98 mA idity: 0 to 93% RH, noncondensing at 90 °F (32 °C) listed fire alarm enclosure 6 (0.75 to 2.5 sq mm) | | | | | |
| Dimensions Mounting Power Wiring Data Wiring Operating voltage Standby current Alarm current Operating environment FSUIM Universal Input Module Mounting Wire size Operating voltage Circuit capacitance | North American 4-inch square 18 to 12 AWG 18 to 12 AWG 0.75 to 2.50 sq mr 18.8 Supply must be UL/ULC listed Do not use FACP accessory power output. Temperature: 32 to 120 °F (0 to 49 °C); Hunder 12 to 18 AWG 21.2 0.00 | re electrical box or listed enclosure (0.75 to 2.50 sq mm) n) twisted pair (6 twists per foot minimum) to 27.3 Vdc If for fire protective signaling systems. uts that are interrupted when the panel is reset. 17 mA 98 mA idity: 0 to 93% RH, noncondensing at 90 °F (32 °C) listed fire alarm enclosure 6 (0.75 to 2.5 sq mm) to 27.3 Vdc | | | | | |
| Dimensions Mounting Power Wiring Data Wiring Operating voltage Standby current Alarm current Operating environment FSUIM Universal Input Module Mounting Wire size Operating voltage Circuit capacitance Circuit resistance | North American 4-inch square 18 to 12 AWG 18 to 12 AWG (0.75 to 2.50 sq mr 18.8 Supply must be UL/ULC listed Do not use FACP accessory power output Temperature: 32 to 120 °F (0 to 49 °C); Hun MFC-A cabinet or 12 to 18 AWG 21.2 0.0 | re electrical box or listed enclosure (0.75 to 2.50 sq mm) n) twisted pair (6 twists per foot minimum) to 27.3 Vdc If for fire protective signaling systems. uts that are interrupted when the panel is reset. 17 mA 98 mA idity: 0 to 93% RH, noncondensing at 90 °F (32 °C) listed fire alarm enclosure 6 (0.75 to 2.5 sq mm) to 27.3 Vdc 3 µF, max. | | | | | |
| Dimensions Mounting Power Wiring Data Wiring Operating voltage Standby current Alarm current Operating environment FSUIM Universal Input Module Mounting Wire size Operating voltage Circuit capacitance Circuit resistance Switch inputs | North American 4-inch squate 18 to 12 AWG 18 to 12 AWG 18 to 12 AWG (0.75 to 2.50 sq mr 18.8 Supply must be UL/ULC listed Do not use FACP accessory power output Temperature: 32 to 120 °F (0 to 49 °C); Hum MFC-A cabinet or 12 to 18 AWG 21.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | re electrical box or listed enclosure (0.75 to 2.50 sq mm) n) twisted pair (6 twists per foot minimum) to 27.3 Vdc If for fire protective signaling systems. uts that are interrupted when the panel is reset. 17 mA 98 mA idity: 0 to 93% RH, noncondensing at 90 °F (32 °C) listed fire alarm enclosure 6 (0.75 to 2.5 sq mm) to 27.3 Vdc 3 µF, max. ohms, max. line resistor: 4.7 k ohms ½ W | | | | | |
| Dimensions Mounting Power Wiring Data Wiring Operating voltage Standby current Alarm current Operating environment FSUIM Universal Input Module Mounting Wire size Operating voltage Circuit capacitance Circuit resistance Switch inputs Relay outputs | North American 4-inch squate 18 to 12 AWG 18 to 12 AWG 18 to 12 AWG (0.75 to 2.50 sq mr 18.8 Supply must be UL/ULC listed Do not use FACP accessory power output. Temperature: 32 to 120 °F (0 to 49 °C); Hum MFC-A cabinet or 12 to 18 AWG 21.2 0.0 13 a Quantity: 5 End-of-Quantity: 9 Type: | re electrical box or listed enclosure (0.75 to 2.50 sq mm) n) twisted pair (6 twists per foot minimum) to 27.3 Vdc If for fire protective signaling systems. uts that are interrupted when the panel is reset. 17 mA 98 mA idity: 0 to 93% RH, noncondensing at 90 °F (32 °C) listed fire alarm enclosure a (0.75 to 2.5 sq mm) to 27.3 Vdc 3 µF, max. ohms, max. line resistor: 4.7 k ohms ½ W Common Style: Form C | | | | | |
| Dimensions Mounting Power Wiring Data Wiring Operating voltage Standby current Alarm current Operating environment FSUIM Universal Input Module Mounting Wire size Operating voltage Circuit capacitance Circuit resistance Switch inputs Relay outputs Contact rating | North American 4-inch squate 18 to 12 AWG 18 to 12 AWG 18 to 12 AWG (0.75 to 2.50 sq mr 18.8 Supply must be UL/ULC listed Do not use FACP accessory power output. Temperature: 32 to 120 °F (0 to 49 °C); Hum MFC-A cabinet or 12 to 18 AWG 21.2 0.0 13 a Quantity: 5 End-of-Quantity: 9 Type: | re electrical box or listed enclosure (0.75 to 2.50 sq mm) n) twisted pair (6 twists per foot minimum) to 27.3 Vdc If for fire protective signaling systems. uts that are interrupted when the panel is reset. 17 mA 98 mA idity: 0 to 93% RH, noncondensing at 90 °F (32 °C) listed fire alarm enclosure 6 (0.75 to 2.5 sq mm) to 27.3 Vdc 3 µF, max. ohms, max. line resistor: 4.7 k ohms ½ W | | | | | |
| Dimensions Mounting Power Wiring Data Wiring Operating voltage Standby current Alarm current | North American 4-inch squa 18 to 12 AWG 18 to 12 AWG (0.75 to 2.50 sq mr 18.8 Supply must be UL/ULC listed Do not use FACP accessory power outp Temperature: 32 to 120 °F (0 to 49 °C); Hum MFC-A cabinet or 12 to 18 AWG 21.2 0.0 13 of Quantity: 5 End-of- Quantity: 9 Type: 30 Vdc at | re electrical box or listed enclosure (0.75 to 2.50 sq mm) n) twisted pair (6 twists per foot minimum) to 27.3 Vdc If for fire protective signaling systems. uts that are interrupted when the panel is reset. 17 mA 98 mA idity: 0 to 93% RH, noncondensing at 90 °F (32 °C) listed fire alarm enclosure a (0.75 to 2.5 sq mm) to 27.3 Vdc 3 µF, max. ohms, max. line resistor: 4.7 k ohms ½ W Common Style: Form C 1 A (resistive load) | | | | | |

Control Panel Specifications

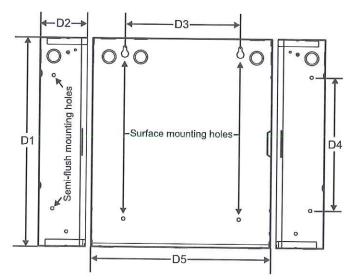
| Control Panels | | | FSP1004 | | | | FSP502 | | | FSP302 | |
|--|---|--|---|------------------|-------------------------------------|---------|----------|-----------------------|------------------------|----------------------|---------------------------------|
| Initiating Device Circuits - IDCs | Class B | 10 | 8 | 6 | 4 | 2 | 0 | 5 | 3 | 1 | Three Class B IDCs |
| (Available combinations shown at right) | Class A | 0 | 1 | 2 | 3 | 4 | 5 | 0 | 1 | 2 | THIS SIGO DIDOS |
| Notification Appliance Circuits - NACs | Class B | 4 | 2 | 2 | | 0 | | 2 | 0 | | Two Class B NACs |
| (Available combinations shown at right) | Class A | 0 | 1 | 1 | | 2 | | 0 | 1 | | 1117 91430 2 11/100 |
| Power Supply | | 4.2 | 5 amps | expan | dable to | o 7.5 a | mps | 4.2 | 25 amps to | otal | 4.25 amps total |
| NAC Voltage Rating | | | | | | | | 24 Vf | | 1 | THE SHIPS TOTAL |
| Maximum NAC current | | | | | 3.5 a | | | | 0 amps ea 5 amps to | (MS325 | 2.0 amps each 3.5 amps total |
| AC Input 120 Vac 230 Vac 50/60Hz | , , , , , , , , - | | 2.2 amps w/ optional transformer 1.1 amps w/ optional transformer | | | | | 1.25 amps 0.6 amps | | 1.2 amps 0.6 amps | |
| Base Panel Current Draw Star Alarm | J. G. | | | 128 mA 242 mA | | | | 104 mA 224 mA | | 96 mA 180 mA | |
| Panel Battery Charge Capacity (sealed lead acid only) | | Up to two 24 Ah batteries, 18 Ah in cabinet | | | Up to 24 Ah, 10 Ah max in cabinet * | | | | | | |
| Auxiliary Current | | 0.5 amps max. May be programmed as resettable. | | | | | | | | | |
| Auxiliary Output | | 24 Vdc regulated | | | | | | | | | |
| DC Alarm Current | | 3.0 mA (Consult detector compatibility list p/n 3100468 for maximum detectors per circuit) | | | | | | | | | |
| DC Circuit | | Maximum loop resistance: 13 Ohms; Maximum loop capacitance: 0,03 µF | | | | | | | | | |
| DC Operating Voltage | | 16.9 to 29 Vdc | | | | | | | | | |
| JL Detector ID | | 100 | | | | | | | | | |
| Alarm Contact (normally open Form C) | | 30 Vdc @ 1 A (resistive load) | | | | | | | | | |
| Frouble Contact (Form C) | | 30 Vdc @ 1 A (resistive load) | | | | | | | | | |
| Supervisory Contact (normally open Forn | n C) | | | | | | | | sistive load | | |
| perating Environment | | | Te | mpera | ture: 32 | - 120° | F (0 - 4 | 9° C): Hu | midity: 5 - | 93% BH no | on-condensing |
| erminals (wire gauge) | | Temperature: 32 - 120° F (0 - 49° C); Humidity: 5 - 93% RH, non-condensing 18 - 12 AWG (0.75 mm² - 2.5 mm²) | | | | | | on condensing | | | |
| Asynchronous Serial Communications | | | | Ma | eximum | resista | nce: 13 | Ohms: M | aximum ca | apacitance: | 0.03 uE |
| Agency Listings | | | | | | UI | 864 (5) | 3000) LIL | 2-S527 C | SEM | 0.00 μι |
| The second secon | | UL864 (53000), ULC-S527, CSFM | | | | | | | | | |

If larger batteries are required, use an external battery cabinet.

| DACT - F-DACT (mounts in panel) | |
|---------------------------------|--|
| Receivers | Supports two receivers with two phone numbers each |
| Communications Protocol | Contact ID (SIA DC-05), 4/2 (SIA DC-02 P3) |
| Programming | Front panel controls or PC with appropriate software |
| Telephone line connection | Two RJ31X (plug-to-plug) cords supplied with DACT |
| Telephone lines | Two or one loop start lines on the public switched telephone network. Pulse or DTMF. |
| Telephone wall connector | RJ31X/CA31X equiv. or RJ38X/CA38X equiv. |
| Communications Compliance | Industry Canada CS-03; FCC/CFR 47 Parts 15 & 68; NFPA 72; UL 864; ULC S527 |
| Operating Environment | Temperature: 32-120° F (0-49° C); Humidity: 93% RH, non-condensing |
| Current requirements | Standby: 65 mA; Alarm: 107 mA |
| Agency Listings | UL864 (53000), ULC-S527, CSFM |

Dimensions

| Model | D1* | D2 | D3 | D4 | D5* |
|------------------------|----------------------|---------------------|----------------------|--------------------------|---------------------------|
| Three- & five- zone | 19.5 in (49.5 cm) | 3.75 in (9.5 cm) | 9.13 in (23.2 cm) | 10.5 in (26.67 cm) | 14.23 in (36.14 cm) |
| Ten-zone | 30 in (76.2 cm) | 3,75 in (9.5 cm) | 7.75 in (19.7 cm) | 21,27 in (54.0 cm) | 15,0 in (38,1 cm) |



Ordering Information

| Part Number | Description | Ship Wt. Ib (kg.) |
|---|---|--|
| Control Panels | | |
| FSP1004* | Conventional Fire Alarm Control Panel – 10 Class B IDCs and 4 Class B NACs (Pairs of IDCs and NACs convertible to single Class A circuits), 120 Vac | 30.5 (13.8) |
| FSP1004-2 | Conventional Fire Alarm Control Panel – 10 Class B IDCs and 4 Class B NACs (Pairs of IDCs and NACs convertible to single Class A circuits), 230 Vac. Grey cabinet. | 30.5 (13.8) |
| FSP502* | Conventional Fire Alarm Control Panel – 5 Class B IDCs and 2 Class B NACs (Pairs of IDCs and NACs convertible to single Class A circuits), 120 Vac | 18.5 (8.4) |
| FSP502-2 | Conventional Fire Alarm Control Panel – 5 Class B IDCs and 2 Class B NACs (Pairs of IDCs and NACs convertible to single Class A circuits), 230 Vac. Grey cabinet. | 18.5 (8.4) |
| FSP302* | Conventional Fire Alarm Control Panel - 3 Class B IDCs and 2 Class B NACs, 120 Vac | 18.0 (8.2) |
| FSP302*-2 | Conventional Fire Alarm Control Panel – 3 Class B IDCs and 2 Class B NACs, 230 Vac | 18.0 (8.2) |
| F-TRIM35* | Semi-flush trim ring for FSP302 and FSP502 | 1.7 (0.8) |
| F-TRIM10* | Semi-flush trim ring for FSP1004 | 2.2 (1.0) |
| | ny cabinet or "R" for Red cabinet. Insert "F" for French language (grey cabinets, not available on 220v versions). D" for red and gray cabinets with dialer installed. | |
| Related Items | Fungander Transformer 100 Van Eer ESD100/# only | 4.0 (1.8) |
| F-XTR120 | Expander Transformer, 120 Vac - For FSP1004* only | 4.0 (1.8) |
| F-XTR230 | Expander Transformer, 230 Vac - For FSP1004*-2 only Required UL listed End of Line Resistors – One 3.6K Ohm and one 1.1K Ohm. | 555 // 665 66 |
| EOL3.6-1.1 | One required OL listed End of Line Resistors – One 3.6K Onm and one 1.1K Offin. One required for each IDC configured as combination waterflow and supervisory. | 0.1 (0.5) |
| EOL-P1 | Required ULC listed End of Line Resistor Plate - includes one 1.1K, 3.6K and 4.7K Ohm resistor | 1.0 (0.5) |
| | Communications | 4.0.(0.5) |
| F-DACT | Digital Communicator/Modem/LCD module (Mounts in control panel) | 1.0 (0.5) |
| RPM | Reverse Polarity Module City Tie Module (Requires 4" square or 2-gang North American electrical box) | 3.0 (1.36) 1.0 (0.5) |
| <mark>Remote Annur</mark> FSRSI | Remote System Indicator – Includes LEDs for display of Power, Alarm, Supervisory, Trouble and Ground Fault, trouble sounder and silence/lamp test switch. Single gang trim plate included, multi-gang plates ordered | 0.3 (0.1) |
| FSRZI-A | separately. Mounts in a single or multi-gang North American electrical box. Remote Zone Indicator – Includes red LEDs for five IDCs. Single gang trim plate included, multi-gang plates | 0.3 (0.1) |
| | ordered separately. Mounts in single or multi-gang North American electrical Dox. | 0.0 (0.1) |
| FSRZI-SA | ordered separately. Mounts in single or multi-gang North American electrical box. Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or | 0.3 (0.1) |
| | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) indications. | 0.3 (0.1) |
| FSAT1 | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) indications. Annunciator Trim Plate, 1 gang | 0.3 (0.1) |
| FSAT1 FSAT2 | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) indications. Annunciator Trim Plate, 1 gang Annunciator Trim Plate, 2 gang | 0.3 (0.1) 0.1 (0.05) 0.1 (0.05) |
| FSAT1 FSAT2 FSAT3 | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) indications. Annunciator Trim Plate, 1 gang Annunciator Trim Plate, 2 gang Annunciator Trim Plate, 3 gang | 0.3 (0.1) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) |
| FSAT1 FSAT2 FSAT3 FSAT4 | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) indications. Annunciator Trim Plate, 1 gang Annunciator Trim Plate, 2 gang Annunciator Trim Plate, 3 gang Annunciator Trim Plate, 4 gang | 0.3 (0.1) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) |
| FSAT1 FSAT2 FSAT3 FSAT4 FSRA10 | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) indications. Annunciator Trim Plate, 1 gang Annunciator Trim Plate, 2 gang Annunciator Trim Plate, 3 gang Annunciator Trim Plate, 4 gang Single Unit 10 zone remote annunciator for FSP1004 – Insert "F" after p/n for French language option | 0.3 (0.1) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) |
| FSAT1 FSAT2 FSAT3 FSAT4 FSRA10 FSRA10C | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) indications. Annunciator Trim Plate, 1 gang Annunciator Trim Plate, 2 gang Annunciator Trim Plate, 3 gang Annunciator Trim Plate, 4 gang Single Unit 10 zone remote annunciator for FSP1004 – Insert "F" after p/n for French language option Single Unit 10 zone remote annunciator for FSP1004 (with common controls) – Insert "F" after p/n for French language | 0.3 (0.1) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) |
| FSAT1 FSAT2 FSAT3 FSAT4 FSRA10 FSRA10C | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) indications. Annunciator Trim Plate, 1 gang Annunciator Trim Plate, 2 gang Annunciator Trim Plate, 3 gang Annunciator Trim Plate, 4 gang Single Unit 10 zone remote annunciator for FSP1004 – Insert "F" after p/n for French language option | 0.3 (0.1) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) |
| FSAT1 FSAT2 FSAT3 FSAT4 FSRA10 FSRA10C FSUIM | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) indications. Annunciator Trim Plate, 1 gang Annunciator Trim Plate, 2 gang Annunciator Trim Plate, 3 gang Annunciator Trim Plate, 4 gang Single Unit 10 zone remote annunciator for FSP1004 – Insert "F" after p/n for French language option Single Unit 10 zone remote annunciator for FSP1004 (with common controls) – Insert "F" after p/n for French language Common Function Graphic Driver/Interface - 9 relays and 5 switch inputs for common system indicators and control Module | 0.3 (0.1) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) |
| FSRZI-SA FSAT1 FSAT2 FSAT3 FSAT4 FSRA10 FSRA10C FSUIM Remote Relay FSRRM24 | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) indications. Annunciator Trim Plate, 1 gang Annunciator Trim Plate, 2 gang Annunciator Trim Plate, 3 gang Annunciator Trim Plate, 4 gang Single Unit 10 zone remote annunciator for FSP1004 – Insert "F" after p/n for French language option Single Unit 10 zone remote annunciator for FSP1004 (with common controls) – Insert "F" after p/n for French language Common Function Graphic Driver/Interface - 9 relays and 5 switch inputs for common system indicators and controls | 0.3 (0.1) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) |
| FSAT1 FSAT2 FSAT3 FSAT4 FSRA10 FSRA10C FSUIM Remote Relay | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) indications. Annunciator Trim Plate, 1 gang Annunciator Trim Plate, 2 gang Annunciator Trim Plate, 3 gang Annunciator Trim Plate, 3 gang Annunciator Trim Plate, 4 gang Single Unit 10 zone remote annunciator for FSP1004 – Insert "F" after p/n for French language option Single Unit 10 zone remote annunciator for FSP1004 (with common controls) – Insert "F" after p/n for French language Common Function Graphic Driver/Interface - 9 relays and 5 switch inputs for common system indicators and control Module Remote Relay Module – Five Form C relays. Configurable for IDCs 1-5, or 6-10, or common system indications. | 0.3 (0.1) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) |
| FSAT1 FSAT2 FSAT3 FSAT4 FSRA10 FSRA10C FSUIM | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) indications. Annunciator Trim Plate, 1 gang Annunciator Trim Plate, 2 gang Annunciator Trim Plate, 3 gang Annunciator Trim Plate, 4 gang Single Unit 10 zone remote annunciator for FSP1004 – Insert "F" after p/n for French language option Single Unit 10 zone remote annunciator for FSP1004 (with common controls) – Insert "F" after p/n for French language Common Function Graphic Driver/Interface - 9 relays and 5 switch inputs for common system indicators and control Module Remote Relay Module – Five Form C relays. Configurable for IDCs 1-5, or 6-10, or common system indications. Requires MFC-A or other listed fire alarm enclosure. | 0.3 (0.1) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 1.1 (0.05) 1.2 (0.05) 1.3 (0.4 (0.2) |
| FSAT1 FSAT2 FSAT3 FSAT4 FSRA10 FSRA10C FSUIM Remote Relay FSRRM24 | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) indications. Annunciator Trim Plate, 1 gang Annunciator Trim Plate, 2 gang Annunciator Trim Plate, 3 gang Annunciator Trim Plate, 4 gang Single Unit 10 zone remote annunciator for FSP1004 – Insert "F" after p/n for French language option Single Unit 10 zone remote annunciator for FSP1004 (with common controls) – Insert "F" after p/n for French language Common Function Graphic Driver/Interface - 9 relays and 5 switch inputs for common system indicators and control Module Remote Relay Module – Five Form C relays. Configurable for IDCs 1-5, or 6-10, or common system indications. Requires MFC-A or other listed fire alarm enclosure. | 0.3 (0.1) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 1.1 (0.05) 1.2 (0.2) 0.4 (0.2) |
| FSAT1 FSAT2 FSAT3 FSAT4 FSRA10 FSRA10C FSUIM Remote Relay FSRRM24 FSRRM-S11 Accessories MFC-A | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) indications. Annunciator Trim Plate, 1 gang Annunciator Trim Plate, 2 gang Annunciator Trim Plate, 3 gang Annunciator Trim Plate, 4 gang Single Unit 10 zone remote annunciator for FSP1004 – Insert "F" after p/n for French language option Single Unit 10 zone remote annunciator for FSP1004 (with common controls) – Insert "F" after p/n for French language Common Function Graphic Driver/Interface - 9 relays and 5 switch inputs for common system indicators and control Module Remote Relay Module – Five Form C relays. Configurable for IDCs 1-5, or 6-10, or common system indications, Requires MFC-A or other listed fire alarm enclosure. 11" Mounting track. Holds up to 4 FSRRM24s. | 0.3 (0.1) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 1.1 (0.05) 1.2 (0.05) 1.3 (0.4 (0.2) |
| FSAT1 FSAT2 FSAT3 FSAT4 FSRA10 FSRA10C FSUIM Remote Relay FSRRM24 FSRRM-S11 Accessories MFC-A Batteries | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) inclications. Annunciator Trim Plate, 1 gang Annunciator Trim Plate, 2 gang Annunciator Trim Plate, 3 gang Annunciator Trim Plate, 4 gang Single Unit 10 zone remote annunciator for FSP1004 – Insert "F" after p/n for French language option Single Unit 10 zone remote annunciator for FSP1004 (with common controls) – Insert "F" after p/n for French language Common Function Graphic Driver/Interface - 9 relays and 5 switch inputs for common system indicators and control Module Remote Relay Module – Five Form C relays, Configurable for IDCs 1-5, or 6-10, or common system indications, Requires MFC-A or other listed fire alarm enclosure. 11" Mounting track. Holds up to 4 FSRRM24s. Multi-function Cabinet (fire alarm accessory enclosure) | 0.3 (0.1) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) ige option |
| FSAT1 FSAT2 FSAT3 FSAT4 FSRA10 FSRA10C FSUIM Remote Relay FSRRM24 FSRRM-S11 Accessories MFC-A Batteries 12V4A | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) indications. Annunciator Trim Plate, 1 gang Annunciator Trim Plate, 2 gang Annunciator Trim Plate, 3 gang Annunciator Trim Plate, 4 gang Single Unit 10 zone remote annunciator for FSP1004 – Insert "F" after p/n for French language option Single Unit 10 zone remote annunciator for FSP1004 (with common controls) – Insert "F" after p/n for French language Common Function Graphic Driver/Interface - 9 relays and 5 switch inputs for common system indicators and control Module Remote Relay Module – Five Form C relays. Configurable for IDCs 1-5, or 6-10, or common system indications. Requires MFC-A or other listed fire alarm enclosure. 11" Mounting track. Holds up to 4 FSRRM24s. Multi-function Cabinet (fire alarm accessory enclosure) | 0.3 (0.1) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 1.1 (0.05) 1.2 (0.2) 0.4 (0.2) 7.0 (3.2) |
| FSAT1 FSAT2 FSAT3 FSAT4 FSRA10 FSRA10C FSUIM Remote Relay FSRRM24 FSRRM-S11 Accessories MFC-A Batteries 12V4A 12V6A5 | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) indications. Annunciator Trim Plate, 1 gang Annunciator Trim Plate, 2 gang Annunciator Trim Plate, 3 gang Annunciator Trim Plate, 3 gang Single Unit 10 zone remote annunciator for FSP1004 – Insert "F" after p/n for French language option Single Unit 10 zone remote annunciator for FSP1004 (with common controls) – Insert "F" after p/n for French language Common Function Graphic Driver/Interface - 9 relays and 5 switch inputs for common system indicators and control Module Remote Relay Module – Five Form C relays. Configurable for IDCs 1-5, or 6-10, or common system indications. Requires MFC-A or other listed fire alarm enclosure. 11" Mounting track. Holds up to 4 FSRRM24s. Multi-function Cabinet (fire alarm accessory enclosure) 4.5 Ah Sealed Lead Acid Battery - 12 Vdc (2 required) 7.2 Ah Sealed Lead Acid Battery - 12 Vdc (2 required) | 0.3 (0.1) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 1.1 (0.05) 1.2 (0.2) 7.0 (3.2) 5 (2.27) 6 (2.72) 10 (4.45) |
| FSAT1 FSAT2 FSAT3 FSAT4 FSRA10 FSRA10C FSUIM Remote Relay FSRRM24 FSRRM-S11 Accessories MFC-A Batteries 12V4A | Remote Zone Indicator – Includes LEDs for five IDCs. Single gang trim plate included, multi-gang plates ordered separately. Mounts in single or multi-gang North American electrical box. Jumper selected Alarm (red) or Supervisory (amber) indications. Annunciator Trim Plate, 1 gang Annunciator Trim Plate, 2 gang Annunciator Trim Plate, 3 gang Annunciator Trim Plate, 4 gang Single Unit 10 zone remote annunciator for FSP1004 – Insert "F" after p/n for French language option Single Unit 10 zone remote annunciator for FSP1004 (with common controls) – Insert "F" after p/n for French language Common Function Graphic Driver/Interface - 9 relays and 5 switch inputs for common system indicators and control Module Remote Relay Module – Five Form C relays. Configurable for IDCs 1-5, or 6-10, or common system indications. Requires MFC-A or other listed fire alarm enclosure. 11" Mounting track. Holds up to 4 FSRRM24s. Multi-function Cabinet (fire alarm accessory enclosure) | 0.3 (0.1) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 0.1 (0.05) 1.1 (0.05) 1.2 (0.2) 0.4 (0.2) 7.0 (3.2) |



Contact us...

Email: edwards.fire@fs.utc.com Web: www.vigilant-fire.com

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1016 Corporate Park Drive Mebane, NC 27302

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Two-Wire Conventional Smoke Detector



Overview

The Edwards 511C is an economical, conventional photoelectric, direct-wire smoke detector with drift compensation.

The 511C continually monitors its own sensitivity and operational status, and provides a visual indication if it drifts out of the sensitivity range or fails internal diagnostics. Additional diagnostic information is activated by applying a magnet near the detector's integral reed switch. This initiates a self-diagnostic routine and provides visual indication of sensitivity level, or if service is required. The magnet test causes the LED to blink. The number of blink counts corresponds to a smoke detector sensitivity range. This meets NFPA 72 field sensitivity test requirements without the need for external meters.

The chance that a 511C will need maintenance is significantly decreased because of the built-in drift compensation. This feature, usually only available in analog systems, allows the detector to automatically adjust its sensitivity over time as it becomes dirty, increasing the life of the detector. And, if the 511C ever needs cleaning, it's literally a snap with FireworX's patented field replaceable optical chamber.

The 511C also features an alarm verification feature to further reduce the chance of a nuisance alarm. Normal sensing occurs every 9 seconds. This rate doubles when a signal exceeding the alarm threshold value is sensed. Two additional successive signals above the threshold level will initiate an alarm.

See installation instructions for information about correct installation and maintenance.

Standard Features

- Self-diagnostics continually monitors detector's operation and meets NFPA 72 sensitivity test requirements
- Built-in drift compensation reduces nuisance alarms
- Field-replaceable optical chamber makes servicing a snap
- · Small, low-profile design blends in with any environment
- Large SEMs type terminals speeds wiring connections while ensuring a secure connection
- · Cost effective for the largest installations



Contact us...

Email: edwards.fire@fs.utc.com Web: <u>www.vigilant-fire.com</u>

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Smoke Detector Technology

Most homes have battery operated ionization smoke detectors. These detectors react quickly to flaming fires but usually take longer to detect smoldering fires – the most common type of fire that occurs in homes. Edwards 511C smoke detectors utilize photoelectric smoke detection technology. Photoelectric smoke detectors continually analyze the air for smoke particles and are more sensitive to smoldering fires than ionization detectors. Installing both ionization and photoelectric smoke detectors in your home provides the best possible protection for you and your family.

Specifications

| Electrical | |
|-------------------------------|--|
| Voltage | 12/24 VDC (8.5-33 VDC), polarity sensitive |
| Maximum standby current | 70μΑ |
| Maximum alarm current | 60mA |
| Minimum reset time | 1 sec |
| Environmental | |
| Photoelectric sensitivity | 3.1%+0.5% -1% |
| Operating temperature | 32°F to 100°F (0°C to 37.8°C) |
| Operating humidity | 0-95% non-condensing |
| Physical | |
| Color | White |
| Detector dimensions | 5" x 2" (12 x 5cm) |
| Base dimensions | 4.75" x 0.3" (12.5 x 0.8cm) |
| Drift compensation adjustment | 1%/ft. max |
| Field wiring size | 18-12AWG |
| Regulations | |
| Listing | UL 268, CSFM |
| UL compatibility identifier | S10A |

Ordering Information Model Description

| 511C | Photoelectric Smoke Detector, 2-wire, 12/24VDC, white | UL268 |
|-----------------|---|-------|
| Accessories | | |
| SM200- 12PKG | Smokel in a Can [®] aerosol spray for functional testing | |
| SM-EXT 1 | Smoke! in a Can® extension tube connects directly to can | |
| 211-10PKG | Replacement optical chambers (package of 10) | |
| 500PLT-5PKG | Mounting plate, adapts 511C to 400 Series mounting footprint, 6" diameter | |
| | | |



Field Configurable Horns and Strobes

Genesis Series



Overview

The Genesis line of fire alarm and mass notification/emergency communications (ECS/MNS) signals are among the smallest, most compact audible-visible life safety signaling devices in the world. About the size of a deck of playing cards, these devices are designed to blend with any decor.

Thanks to patented breakthrough technology, Edwards Genesis strobes do not require bulky specular reflectors and lenses. Instead, an exclusive cavity design conditions light to produce a highly controlled distribution pattern. Significant development efforts employing this new technology have given rise to a new benchmark in strobe performance – FullLight technology.

FullLight strobe technology produces a smooth light distribution pattern without the spikes and voids characteristic of specular reflectors. This ensures the entire coverage area receives consistent illumination from the strobe flash. As a result, Genesis strobes with FullLight technology go well beyond the UL-1971 and ULC-S526 light distribution requirements.

Genesis strobes and horn-strobes offer selectable candela output by means of a conveniently-located switch on the side of the device. Models are also available that offer fixed 15/75 cd output. The candela output setting remains clearly visible even after final installation, yet it stays locked in place to prevent unauthorized tampering.

Genesis ECS/MNS appliances offer emergency signaling with clear or amber lenses and with optional ALERT housing labels. They are ideal for applications that require differentiation between fire alarm and mass notification alerts.

Standard Features

Unique low-profile design

- The most compact UL-1971/ULC-S526 listed strobe available
- Ultra-slim protrudes less than one inch
- Attractive appearance
- No visible mounting screws

Four field-configurable options in one device

- Select 15, 30, 75, or 110 cd strobe output
- Select high (default) or low dB horn output
- Select temporal (default) or steady horn output
- Select public mode flash rate (default) or private mode temporal flash

Fixed 15/75 cd model available

ECS/MNS models available

Easy to install

- Fits standard 1-gang electrical boxes no trim plate needed
- Optional trim plate accommodates oversized openings
- Pre-assembled with captive hardware
- #12 AWG terminals ideal for long runs or existing wiring

Unparalleled performance

- Industry's most even light distribution
- Meets tough synchronizing standards for strobes
- Single microprocessor controls both horn and strobe
- Independent horn control over a single pair of wires
- Highly regulated in-rush current
- Multiple frequency tone improves sound penetration
- Field-programmable temporal strobe output option

Application

Genesis strobes are UL 1971-listed for use indoors as wall-mounted public-mode notification appliances for the hearing impaired. Prevailing codes require strobes to be used where ambient noise conditions exceed 105 dBA (87dBA in Canada), where occupants use hearing protection, and in areas of public accommodation as defined in the *Americans with Disabilities Act* (see application notes – USA).

Combination horn-strobe signals must be installed in accordance with guidelines established for strobe devices. Consult with your Authority Having Jurisdiction for details.

All Genesis strobes exceed UL synchronization requirements (within 10 milliseconds over a two-hour period) when used with a synchronization source. Synchronization is important in order to avoid epileptic sensitivity.

WARNING: These devices will not operate without electrical power. As fires frequently cause power interruptions, further safeguards such as backup power supplies may be required.

Horns

Genesis horn output reaches as high as 99 dB and features a unique multiple frequency tone that results in excellent sound penetration and an unmistakable warning of danger. Horns may be configured for either coded or non-coded signal circuits. They can also be set for low dB output with a jumper cut that reduces horn output by about 5 dB, Horn-only models may be ceiling-mounted or wall-mounted.

The suggested sound pressure level for each signaling zone used with alarm signals is at least 15 dB above the average ambient sound level, or 5 dB above the maximum sound level having a duration of at least 60 seconds, whichever is greater, measured 5 feet (1.5 m) above the floor. The average ambient sound level is, A-weighted sound pressure measured over a 24-hour period.

Doubling the distance from the signal to the ear will theoretically result in a 6 dB reduction of the received sound pressure level. The actual effect depends on the acoustic properties of materials in the space. A 3 dBA difference represents a barely noticeable change in volume.

ECS/MNS Applications

Genesis ECS/MNS strobe appliances bring the same highperformance fire alarm features and unobtrusive design to mass notification applications. Available with amber lenses and optional ALERT housing labels, they are ideal for applications that require differentiation between fire alarm and mass notification alerts.

Installation

Genesis horns and strobes mount to any standard one-gang surface or flush electrical box. Matching optional trim plates are used to cover oversized openings and can accommodate one-gang, two-gang, four-inch square, or octagonal boxes, and European 100 mm square.



Genesis Horn/Strobe with optional trim plate

All Genesis signals come pre-assembled with captive mounting screws for easy installation. Two tabs at the top of the signal unlock the cover to reveal the mounting hardware. The shallow depth of Genesis devices leaves ample room behind the signal for extra wiring. Once installed with the cover in place, no mounting screws are visible.

Field Configuration

Temporal horn and horn-strobe models are factory set to sound in a **three-pulse temporal pattern**. Units may be con-

figured for use with coded systems by cutting a jumper on the circuit board. This results in a **steady output** that can be turned on and off (coded) as the system applies and removes power to the signal circuit. A Genesis Signal Master is required when hornstrobe models are configured for coded systems. Non-temporal, horn-only models sound a steady tone.

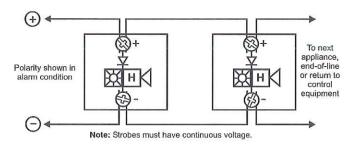
Genesis clear strobes and horn-strobes are shipped from the factory ready for use as **UL 1971 compliant** signals for public mode operation. These signals may be configured for **temporal flash** by cutting a jumper on the circuit board. This battery-saving feature is intended for private mode signaling only.

Genesis clear strobes and horn-strobes may be set for **15**, **30**, **75**, **or 110 candela output**. The output setting is changed by simply opening the device and sliding the switch to the desired setting. The device does not have to be removed to change the output setting. The setting remains visible through a small window on the side of the device after the cover is closed.

Horns and horn-strobes are factory set for **high dB output**. **Low dB output** may be selected by cutting a jumper on the circuit board. This reduces the output by about 5 dB.

Wiring

Field wiring terminals accommodate #18 to #12 AWG (0.75 mm² to 2.5 mm²) wiring. Horns, strobes, and combination horn-strobes are interconnected with a single pair of wires as shown below.



Current Draw

Strobes, Horn-Strobes

Multi-cd Wall Strobes (MG1-VM)

| UL | 15 cd* | 30 cd* | 15/75 cd** | 75 cd* | 110 cd* |
|---------|--------|--------|------------|--------|---------|
| Rating | RMS | RMS | RMS | RMS | RMS |
| 16 Vdc | 103 | 141 | 152 | 255 | 311 |
| 16 Vfwr | 125 | 179 | 224 | 346 | 392 |

*MG1-VM multi-cd; **MG1F-V1575 fixed 15/75 cd

| Typical | 15 cd | 30 cd | 15/75 | 75 cd | 110 cd |
|---------|-------|-------|-------|-------|--------|
| Current | RMS | RMS | RMS | RMS | RMS |
| 16 Vdc | 85 | 127 | 150 | 245 | 285 |
| 20 Vdc | 71 | 98 | 123 | 188 | 240 |
| 24 Vdc | 59 | 82 | 104 | 152 | 191 |
| 33 Vdc | 46 | 64 | 84 | 112 | 137 |
| 16 Vfwr | 119 | 169 | 223 | 332 | 376 |
| 20 Vfwr | 103 | 143 | 189 | 253 | 331 |
| 24 Vfwr | 94 | 129 | 169 | 218 | 262 |
| 33 Vfwr | 87 | 112 | 148 | 179 | 205 |

Wall Temporal Horn-strobes - High dB Setting

| UL Rating | 15 cd* | 30 cd* | 15/75 cd** | 75 cd* | 110 cd* | |
|--------------|-----------|-----------|---------------|-----------|------------|--|
| 16 Vdc | 129 | 167 | 172 | 281 | 337 | |
| 16 Vfwr | 176 | 230 | 269 | 397 | 443 | |

*MG1-HDVM multi-cd **MG1F-HDV1575 fixed 15/75 cd

| Typical 15 cd | 30 cd | 15/75 | 75 cd | 110 cd | |
|---------------|-------|-------|-------|--------|-----|
| Current | RMS | RMS | RMS | RMS | RMS |
| 16 Vdc | 102 | 135 | 160 | 246 | 309 |
| 20 Vdc | 88 | 109 | 137 | 193 | 248 |
| 24 Vdc | 81 | 94 | 122 | 161 | 203 |
| 33 Vdc | 74 | 72 | 106 | 124 | 154 |
| 16 Vfwr | 144 | 182 | 247 | 352 | 393 |
| 20 Vfwr | 141 | 162 | 220 | 274 | 362 |
| 24 Vfwr | 136 | 152 | 203 | 235 | 282 |
| 33 Vfwr | 125 | 144 | 196 | 201 | 232 |

Wall Temporal Horn-strobes - Low dB Setting

| UL Rating | 15 cd* | 30 cd* | 15/75 cd** RMS | 75 cd* RMS | 110 cd* |
|--------------|-----------|-----------|----------------------|------------------|------------|
| 16 Vdc | 122 | 160 | 146 | 274 | 330 |
| 16 Vfwr | 162 | 216 | 231 | 383 | 429 |

*MG1-HDVM multi-cd
**MG1F-HDV1575 fixed 15/75 cd

| Typical | 15 cd | 30 cd | 15/75 | 75 cd | 110 cd |
|-------------|-------|-------|-------|-------|--------|
| Current RMS | | RMS | RMS | RMS | |
| 16 Vdc | 96 | 130 | 158 | 243 | 302 |
| 20 Vdc | 79 | 104 | 133 | 189 | 241 |
| 24 Vdc | 68 | 88 | 119 | 156 | 197 |
| 33 Vdc | 56 | 71 | 100 | 118 | 146 |
| 16 Vfwr | 128 | 180 | 241 | 344 | 389 |
| 20 Vfwr | 118 | 157 | 213 | 266 | 343 |
| 24 Vfwr | 113 | 144 | 195 | 230 | 279 |
| 33 Vfwr | 112 | 137 | 182 | 197 | 226 |

Horns

Wall or Ceiling Mounted Temporal Horns (MG1-HD)

| UL | High dB | Low dB |
|---------|---------|--------|
| Rating | (RMS) | (RMS) |
| 16 Vdc | 26 | 19 |
| 24 Vdc | 36 | 27 |
| 33 Vdc | 41 | 33 |
| 16 Vfwr | 51 | 37 |
| 24 Vfwr | 69 | 52 |
| 33 Vfwr | 76 | 70 |

| Typical | High dB | Low dB |
|---------|---------|--------|
| Current | RMS | RMS |
| 16 Vdc | 22 | 17 |
| 20 Vdc | 24 | 19 |
| 24 Vdc | 27 | 22 |
| 33 Vdc | 32 | 26 |
| 16 Vfwr | 34 | 30 |
| 20 Vfwr | 40 | 34 |
| 24 Vfwr | 45 | 38 |
| 33 Vfwr | 52 | 47 |

Wall or Ceiling Mounted Horns (MG1-P)

| UL Designation | Voltage Range | Max. Current, RMS |
|---------------------|---------------|----------------------|
| Regulated 24 Vdc | 16 - 33 Vdc | 13 mA |
| 24 fwr | 16 - 33 Vfwr | 11 mA |

| Typical Current | RMS | |
|-----------------|-----|--|
| 24 Vdc | 10 | |
| 24 Vdc | 11 | |
| 31 Vdc | 12 | |
| 20 Vfwr | 9 | |
| 24 Vfwr | 10 | |

Current values are shown in mA.

dBA output

Temporal Horns, Horn-strobes (MG1-HD, MG1-HDVM series)

| High | UL4 | | Average | Peak | |
|---------------|----------|--------|---------------------|---------------------|--|
| dB Setting | Temporal | Steady | Temporal/ Steady | Temporal/ Steady | |
| 16 Vdc | 81.4 | 85.5 | 91.4 | 94.2 | |
| 24 Vdc | 84.4 | 88.6 | 94.5 | 97.6 | |
| 33 Vdc | 86,3 | 90.4 | 96.9 | 99.5 | |

| Low dB Setting | UL4 | UL464 | | Peak |
|-------------------|----------|--------|---------------------|---------------------|
| | Temporal | Steady | Temporal/ Steady | Temporal/ Steady |
| 16 Vdc | 76,0 | 80.1 | 86.3 | 89.2 |
| 24 Vdc | 79.4 | 83.5 | 89.8 | 92.5 |
| 33 Vdc | 82.1 | 86.5 | 92.5 | 95.3 |

Steady Tone Horns (MG1-P series)

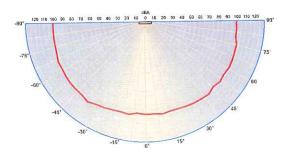
| 0.0000 | UL464 | Average | Peak |
|---------|-------------|---------|--------|
| 16 Vdc | 77 dBA, min | 85 dBA | 91 dBA |
| 16 Vfwr | 77 dBA, min | 85 dBA | 91 dBA |

Notes

- 1. All values shown are dBA measured at 10 feet (3.01m).
- 2. UL464 values measured in reverberant room.
- 3. Average and Peak values are measured in anechoic chamber.

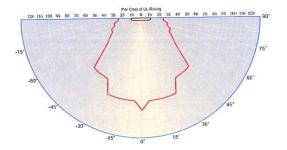
Average Sound Output (dBA)

(High dB setting, anechoic, 24V, measured at 10ft)



Light output - (effective cd)

Percent of UL rating versus angle



Specifications

| Housing | Red or white textured UV stabilized, color impregnated engineered plastic. Exceeds 94V-0 UL flammability rating. |
|---------------------------|--|
| _ens | Optical grade polycarbonate (clear) |
| Mounting (indoor only) | Strobes and horn-strobes are for wall-mount installation only. Horn-only models may be ceiling- or wall-mounted. Flush mount: 2½ inch (64 mm) deep one-gang box Surface mount: Model 27193 surface mount box, wiremold box, or equivalent surface-mount box With optional trim plate: One-gang, two-gang, four-inch square, octagonal, or European single-gang box |
| Wire connections | Screw terminals: single input for both horn and strobe. #18 to #12 AWG (0.75 mm² to 2.5 mm²) wire size |
| Operating environment | Indoor only: 32-120°F (0-49°C) ambient temperature. 93% relative humidity |
| Agency listings/approvals | UL 1971 (S218), UL 1638 (S218), UL 464 (S218), ULC S525, ULC S526, CSFM, CE, FCC, MEA. (All models comply with ADA Code of Federal Regulation Chapter 28 Part 36 Final Rule.) |
| Dimensions (HxWxD) | Signal: 4-1/2" x 2-3/4" x 13/16" (113 mm x 68 mm x 21 mm) Trimplate: 5" (127 mm); Height – 5-7/8" (149 mm); Depth – ½" (13 mm) |
| Operating voltage | MG1-HD series temporal-tone horns: non-coded, filtered 16-33 Vdc or unfiltered 16-33 Vdc FWR (or coded when horn set to steady tone) MG1-HDVM series temporal-tone horn-strobes: non-coded, filtered 16-33 Vdc or unfiltered 16-33 Vdc FWR (or coded (audible NAC only) when used with optional MG1M Genesis Signal Master) MG1-VM series strobes: non-coded, filtered 16 - 33 Vdc or unfiltered 16-33 Vdc FWR MG1-P series steady-tone horns: coded or non-coded, filtered 20-31 Vdc or unfiltered 20-27 Vfwr |
| Strobe output rating | UL 1971, UL 1638, ULC S526; selectable 15 cd, 30 cd, 75 cd, or 110 cd output UL 1971: 15 cd (fixed 15/75 cd models) UL 1638, ULCS526: 75 cd (fixed 15/75 cd models) |
| Strobe flash rate | MG1-VM strobes and MG1-HDVM series temporal-tone horn-strobes: one flash per second synchronized with optional MG1M Genesis Signal Master indefinitely within 10 milliseconds. Temporal setting (private mode only): synchronized to temporal output of horns on same circuit |
| Synchronization Sources | GSA-CC1S, GSA-MCC1S, GSA-CC2A, GSA-MCC2A, MG1M-RM MIRBPS6A, MIRBPS10A, APS6A, APS10A, VS1, VS2, Fireshield Plus 3, 5 and 10 zone, VM. |
| Horn pulse rate | MG1-HD temporal-tone horns and MG1-HDVM series temporal-tone horn-strobes: temporal rate synchronized with optional MG1M Genesis Signal Master indefinitely within 10 milliseconds, MG1-P steady-tone horns: continuous, steady tone only |
| Temporal audible pattern | ½ sec ON, ½ sec OFF, ½ sec ON, ½ sec OFF, ½ sec ON, 1½ sec OFF, then repeat cycle |

Candela Output

| Lens Color | Rating | Switch Position A | Switch Position B | Switch Position C | Switch Position D |
|---------------|----------|----------------------|-------------------------|-------------------------|-------------------------|
| Amber | UL 1638 | 110 cd | 75 cd | 30 cd | 15 cd |
| Amber | UL 1971* | 88 cd | 60 cd | 24 cd | 12 cd |
| Clear | UL 1971 | 110 cd | 75 cd | 30 cd | 15 cd |

^{*} Equivalent Rating

Fire appliances available with white or red housings.



ECS/MNS appliances available with clear or amber lenses.



Ordering Information

| Model | Housing | Marking | Lens | Strobe | Horn | Ship Wt. Ibs (kg |
|-----------------|-------------|---------------|------------|--------------------------------------|------------------------|------------------|
| | ces lc/w ru | nning man i | con screen | printed on housing) | | |
| MG1-VM | White | None | Clear | Selectable 15, 30, 75, or 110 cd | Strobe only | 0.25 (0.11) |
| MG1F-HD | White | FIRE | Clear | Horn only | Selectable high/low dB | 0.25 (0.11) |
| MG1F-HDV1575 | White | FIRE | Clear | 15/75 cd¹ | Temporal hi/lo dB-24V | 0.25 (0.11) |
| MG1F-HDVM | White | FIRE | Clear | Selectable 15, 30, 75, or 110 cd | Selectable high/low dB | 0.25 (0.11) |
| MG1F-P | White | FIRE | Clear | Steady Horn (not compatible with | Genesis Signal Master) | 0.25 (0.11) |
| MG1F-V1575 | White | FIRE | Clear | 15/75 cd¹ | Strobe only | 0.25 (0.11) |
| MG1F-VM | White | FIRE | Clear | Selectable 15, 30, 75, or 110 cd | Strobe only | 0.25 (0.11) |
| MG1-HD | White | None | Clear | Horn only | Selectable high/low dB | 0.25 (0.11) |
| MG1-HDVM | White | None | Clear | Selectable 15, 30, 75, or 110 cd | Selectable high/low dB | 0.25 (0.11) |
| MG1-PDVW | White | None | Clear | Steady Horn (not compatible with | Genesis Signal Master) | 0.25 (0.11) |
| MG1RF-HD | Red | FIRE | Clear | Horn only | Selectable high/low dB | 0.25 (0.11) |
| MG1RF-HDV1575 | Red | FIRE | Clear | 15/75 cd¹ | Temporal hi/lo dB-24V | 0.25 (0.11) |
| MG1RF-HDVM | Red | FIRE | Clear | Selectable 15, 30, 75, or 110 cd | Selectable high/low dB | 0.25 (0.11) |
| MG1RF-P | Red | FIRE | Clear | Steady Horn (not compatible with | | 0.25 (0.11) |
| MG1RF-V1575 | Red | FIRE | Clear | 15/75 cd¹ | Strobe only | 0.25 (0.11) |
| MG1RF-VM | Red | FIRE | Clear | Selectable 15, 30, 75, or 110 cd | Strobe only | 0.25 (0.11) |
| MG1R-HD | Red | None | Clear | Horn only | Selectable high/low dB | 0.25 (0.11) |
| MG1R-HDVM | Red | None | Clear | Selectable 15, 30, 75, or 110 cd | Selectable high/low dB | 0.25 (0.11) |
| MG1R-P | Red | None | Clear | Steady Horn (not compatible with | Genesis Signal Master) | 0.25 (0.11) |
| MG1R-VM | Red | None | Clear | Selectable 15, 30, 75, or 110 cd | Strobe only | 0.25 (0.11) |
| | | 1011201111111 | | | | |
| ECS/MNS Applian | | ning man ic | Amber | Selectable A, B, C or D | Strobe only | 0.25 (0.11) |
| G1WA-VMA | White | ALERT | Clear | Selectable 15, 30, 75, or 110 cd | Strobe only | 0.25 (0.11) |
| G1WA-VMC | White | | Amber | Selectable A, B, C or D | Strobe only | 0.25 (0.11) |
| G1WN-VMA | White | None | Clear | Selectable 15, 30, 75, or 110 cd | Strobe only | 0.25 (0.11) |
| G1WN-VMC | White | None | Clear | Selectable 13, 30, 73, 01 110 03 | Grobb only | 1 |
| Trim Plates | | | | | Manage Control | 0.15 (0.7) |
| MG1T | White | None | Genesis I | rim Plate (for two-gang or 4" square | boxes) | 0.15 (0.7) |
| MG1RT | Red | None | | rim Plate (for two-gang or 4" square | | 0.15 (0.7) |
| MG1T-FIRE | White | FIRE | | rim Plate (for two-gang or 4" square | | 0.15 (0.7) |
| MG1RT-FIRE | Red | FIRE | | rim Plate (for two-gang or 4" square | | |
| G1WT-ALERT | White | ALERT | Genesis T | rim Plate (for two-gang or 4" square | poxes) | 0.15 (0.7) |
| Surface Boxes | | | | | | 1 (0.4) |
| 27193-16 | White | N/A | | surface mount box | | 1 (0.4) |
| 27193-11 | Red | N/A | One-gang | surface mount box | | 1 (0.4) |

¹ These 15/75 cd models provide fixed output and are not multi-candela devices. The 15 cd output component complies with UL1971, while the 75 cd output component complies with UL 1638.



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