

EDWARDS SIGNAL SOLUTIONS®

www.edwards-signals.com

Pull Stations

Signaling Devices

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**FIRE SHIELD**



3-10 Zone Panels

# Fire Alarm CONTROL Systems

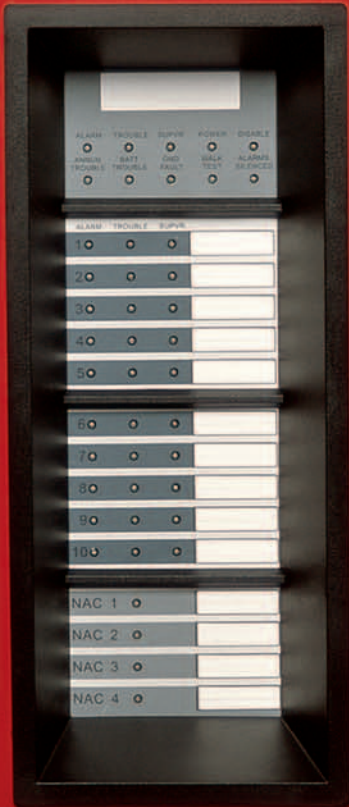
Auxiliary Devices



Smoke & Heat Detectors

**Edwards Signaling  
& Security Systems®**

# Flexible, reliable & powerful – the FireShield® fire alarm system.



**FIRESHIELD**

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

Edwards FireShield incorporates features designed to simplify installation, operation and maintenance. These include front panel programming, one person walk testing, and selectable IDC and NAC styles. In addition, each IDC can be programmed for one of eight types including waterflow and supervisory.

Options for the FireShield panels include serial bus relay modules programmable for common or zone activation, serial bus remote annunciators, city tie and reverse polarity modules, and optional trim rings for semi-flush mounting. An optional fully integrated DACT/Dialer provides 32 character LCD display, event history log, supports both contact ID and 4/2 formats, and upload/download of Panel/DACT configuration, status and event history.

FireShield panels are powerful enough to meet the demands of today's installations while leaving plenty of room to grow in the future.



## SYSTEM FEATURES

- ▶ UL,ULC & CSFM Listed, MEA Approved
- ▶ Available in three, five, and ten Style B initiating device circuit (IDC) models
- ▶ 2 or 4 Style Y notification appliance circuits
- ▶ IDC or NAC convertible to Class A circuits (ten and five zone panels only) without additional modules
- ▶ Supports ED2M, SC Series and 2400 Series detectors. A Complete list of cross-listed smoke detectors is available on request.
- ▶ Genesis option provides precision strobe synchronization and audible silence over two wires without additional modules
- ▶ IDC programmable for alarm verified or alarm non-verified, waterflow or supervisory condition
- ▶ Programmable NACs individually selectable for Genesis, continuous or temporal output
- ▶ One man walk test (audible or silent)
- ▶ Optional serial bus relay modules are programmable for common or zone activation
- ▶ Expandable transformer adds 2.5 amps to ten zone panel
- ▶ On-board relays for alarm, supervisory and trouble conditions
- ▶ Optional fully integrated DACT/ Dialer
  - Event history log
  - Upload/download of configuration, status and event history
  - Supports Contact ID and 4/2 formats



### EBPS Series Power Boost Panel

The EBPS Booster Power Supply is a cost-effective solution for applications that demand extra device power. Both the 10 amp and 6.5 amp models feature a battery charger that accommodates up to

two 12 volt 10 AH batteries. Each booster includes four independent 3 amp Notification Appliance Circuits (NACs), two of which can be designated as auxiliary outputs. Included is a feature that opens the main panel's NAC on a fault condition, eliminating the need to wire a separate trouble contact back to the control panel.

### FireShield & EBPS Ordering Information

CAT. NO.	DESCRIPTION	SYSTEM VOLTAGE	IDC/STYLE	NAC/STYLE	NAC/POWER OUTPUTS	AUX POWER OUTPUT	ALARM VERIFY
E-FS302*	FireShield 3 zone	24V DC	3:B	2:Y	1.5A	0.5A	Program
E-FS502*	FireShield 5 zone	24V DC	5:B, 2:D	2:Y, 1:Z	2.5A	0.5A	Program
E-FS1004*	FireShield 10 zone	24V DC	10:B, 5:D	4:Y, 2:Z	2.5A**	0.5A	Program
EBPS6	6.5 Amp Booster Panel	24V DC	—	4:Y, 2:Z	6.5A Total	2; 3 Amp	—
EBPS10	10 Amp Booster Panel	24V DC	—	4:Y, 2:Z	10.0A Total	2; 3 Amp	—

\* Add "G" for gray cabinet or "R" for Red cabinet

\*\* Expandable to 5.0A with Cat. No. XTR3A120 Transformer

**XTR3A120 Power Expander Transformer**

Boosts your ten zone FireShield NAC to 5.0 amps total. Plugs in for fast installation.

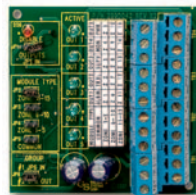
**BC-2 Battery Cabinets**

BC-2- Gray Battery box, holds 2 batteries.  
BC-2R- Red Battery box, holds 2 batteries.

**OPTIONAL SERIAL BUS PERIPHERALS**

**FSRRM Relay Module**

Remote relay module. Includes 5 Form C relays rated 1 amp each. May be programmed as zone relays 1-5 or 6-10 or as common relays for Power, Alarm, Trouble, Supervisory or Monitor. Requires MFC-A box for mounting.



**FSRSI Remote System Indicator**

The FSRSI Remote System Indicator is ideal for common system annunciation. It includes five LEDs and a local silence/ lamp test switch. The LEDs indicate power status, alarm, supervisory, trouble and ground fault.



**FSRZI-A Remote Zone Indicator**

Monitors zone status at a remote location. LEDs for alarm indication by zone. Programmable for zones 1-5 or 6-10. Single gang, gangable, decora switch plates.



**MFC-A Mounting Cabinet**

Cabinet will hold up to eight FSRRM modules when used with two FSRRM-11 Snap-Traks.



**FSRRM-S11 11" Snap-Trak**

Holds up to four FSRRM modules for mounting in an MFC-A cabinet or other listed fire alarm enclosure.

**FSAT\* Trim Plate**

Remote indicator trim plate. Decora style. (\*Add 2, 3 or 4 for 2, 3 or 4 gang plate.)

**COMMUNICATION MODULES**

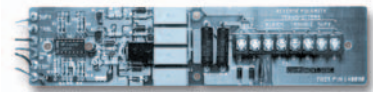
**CTM4.7 City Tie Module**

The CTM4.7 City Tie Module is an interface between the control panel notification appliance circuit and a master box. It provides off-premises signal transmission for systems that must comply with NFPA requirements for Auxiliary Protective Systems.



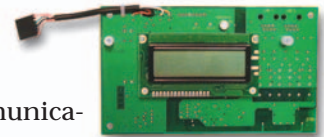
**RPM Reverse Polarity Module**

The Edwards RPM Reverse Polarity Module is an interface between FireShield and a reverse polarity receiver. It provides off-premises signal transmission for systems that must comply with NFPA requirements. Mounts in MFC-A box.



**FS-DACT Digital Communicator**

The Edwards FS-DACT DACT/ Dialer is a multi-function communications 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.



**FSCU Configuration Software**

Configuration/ download software for use with a PC to allow remote or local download programming and uploading of configuration and event history.

**PANEL MOUNTING ACCESSORIES**

**FSTRIM35\* Three and Five Zone Trim Ring**

Flush mount trim ring for three and five zone panels. (\*Insert "G" for gray or "R" for red.)

**FSTRIM10\* Ten Zone Trim Ring**

Flush mount rim ring for ten zone panels. (\*Insert "G" for gray or "R" for red.)

# Genesis® Horns, Strobes & Horn/Strobes

## EG1 Series

The Genesis line of signals are the smallest, most compact audible and visible emergency signaling devices in the world. About the size of an audio tape, these devices are designed to blend with any environment.



EG1 SERIES

Thanks to patented breakthrough technology, Edwards Genesis strobes do not require bulky specular reflectors. Instead, an exclusive mask-and-cavity design channels and conditions light to produce a highly controllable distribution pattern. Intensive

development efforts employing this new technology have given rise to a new benchmark in strobe performance – FullLight® technology.

When it comes to retrofit jobs, you're more than covered. The optional Genesis Cat. No. EG1T (white) or EG1RT (red) trim plate fits neatly over



EG1RT

existing one or two-gang, four-inch square, or octagon boxes, hiding any wall imperfections left behind by a previous signal. (For "fire" notation on trim plate add suffix "- fire")

## EG1M Signal Master\*

Snapping on the back of any Genesis signaling device, there is no need to mount the EG1M Signal Master in a separate enclosure. The Signal Master provides strobe synchronization so precise that the visual signals flash within 10 milliseconds of each other, eliminating the risk of seizure among people sensitive to random flashing lights.

As an added benefit, the EG1M Signal Master allows the horns to be silenced on a two wire NAC circuit while the strobes continue to flash. Before the introduction of the Genesis Signaling line and the Signal Master, horns and strobes had to be isolated on separate NAC circuits to accomplish this desirable feature.



EG1M



EG1M-RM

## EG1M-RM Remote Signal Master\*

For the remote mounted signal master mountable in a single gang box order EG1M-RM. This unit handles 3.0 amps while the EG1M is rated for 1.0 amp.

\* When using Genesis notification appliances with Edwards FireShield panels, the EG1M and EG1M-RM are not required. Both synchronization and horn control over two wires are built-in features of all FireShield panels.

## Genesis Signals

CAT. NO.	DESCRIPTION
EG1(*)-HOV30	Genesis 30 Candela Horn/Strobe
EG1(*)-HOV60	Genesis 60 Candela Horn/Strobe
EG1(*)-HOV75	Genesis 75 Candela Horn/Strobe
EG1(*)-HOV110	Genesis 110 Candela Horn/Strobe
EG1(*)-P	Genesis Piezo Horn
EG1(*)-HO	Genesis Temporal Horn

\* Insert "R" for red. Standard model in white.

CAT. NO.	DESCRIPTION
EG1(*)-V15	Genesis 15 Candela Strobe
EG1(*)-V30	Genesis 30 Candela Strobe
EG1(*)-V60	Genesis 60 Candela Strobe
EG1(*)-V75	Genesis 75 Candela Strobe
EG1(*)-V110	Genesis 110 Candela Strobe
EG1(*)-HOV15	Genesis 15 Candela Horn/Strobe

*Through both manual and automatic signal activation, for standard or adverse locations, Edwards initiating devices provide early detection of smoke, heat, and fire. Single and double action pull stations allow immediate manual activation. From advanced thermistor technology to self-diagnostic and multi-criteria sampling, Edwards heat and smoke detectors provide reliable detection of fire and heat. Whatever your initiation needs may be — Ask Edwards!*

## SC Series Heat & Smoke Detectors

*Aesthetically designed and proven response. Edwards SC Series ionization and photoelectric smoke detectors provide early warning of fast and slow burning fires. For a complete list of cross listed panels contact your local Edwards representative.*

### SC10U-3B Ionization System Smoke Detector

Designed to provide an early response to fast burning fires, the SC10U-3B ionization detector provides reliable sensing of both visible and invisible products of combustion. The detector's advanced design and proven response make it effective in areas where materials such as oil, spirits, wood or paper may be stored.



SC30U

### SC30U-3B Photoelectric System Smoke Detector

Designed to provide an early response to a wide range of slow burning, smoldering fires, the SC30U-3B photoelectric smoke detector provides reliable sensing for conventional fire alarm applications. The detector's aesthetic design and proven stability in air movements associated with air conditioning, have made it an ideal selection for modern building interiors.

### SC Series Smoke Detectors - 2 Wire with Base

CAT. NO.	DESCRIPTION
SC10U-3B	Ionization type w/sensitivity test - 12/24V DC
SC30U-3B	Photoelectric type w/sensitivity test - 12/24V DC
SC32U-3B	Photoelectric type w/heat sensitivity test - 12/24V DC

### SC Series Accessories

CAT. NO.	DESCRIPTION
SCRBU-1	Detector base with relay
SCSBU-1	Detector base
SCSBU-2	Detector base with diode
SCSBU-3	Detector base with resistor
SCSB4U-1	Detector base - 4" sq. mount

*Based on advanced thermistor technology, the Edwards SC20 Series heat detectors provide a reliable response to heat and fires.*

### SC20FTU-3 135° Fixed Temperature System Heat Detector

The SC20FTU-3 is a fixed temperature unit, with an alarm threshold, operating at 135°F (57°C). It is intended for applications where fluctuations of ambient temperature may be expected such as in boiler rooms, laundries, or factory locations where industrial processes may cause sharp temperature increases.



SC20FTU

### SC20HTU-3 180° Fixed Temperature System Heat Detector

The SC20HTU-3 is a high temperature fixed temperature detector with an alarm threshold of 180°F (82°C), suitable for use where ambient temperatures may consistently be greater than normal, for example boiler rooms and certain food processing installations.

### SC20RRU-3 135° Fixed Temperature & ROR System Heat Detector

The SC20RRU-3 has an alarm threshold of 135°F (57°C) and operates on the rate-of-rise of 15°F or greater per minute. To increase response time without compromising reliability, a rate compensation element enables the detector to become more sensitive to higher rates of temperature rise. Applications include general use in area where smoke detection would be likely to produce false alarms such as in kitchens or shower rooms.

### SC Series Heat Detectors\*

CAT. NO.	DESCRIPTION
SC20FTU-3	135°F (57°C) Fixed temperature - 12/24V DC
SC20RRU-3	135°F (57°C) Comb fixed temp & r-o-r - 12/24V DC
SC20HTU-3	180°F (82°C) Fixed temperature - 2/24V DC

\*Order base separately - see accessories

## Heat & Duct Smoke Detectors

### 280B Series Heat Detectors

- ▶ UL listed, FM approved
- ▶ Easy to install, mounting base included
- ▶ Non-powered device



Fixed temperature models have a normally open alarm initiating contact that closes at temperature rating.

Combination fixed temperature and rate-of-rise models have normally open initiation contacts that close at temperature ratings or upon a temperature rise of 15° F or more per minute.

281B-PL

CAT. NO.	DESCRIPTION
280A-PL	Reversible Plastic Mounting Plate
281B-PL	135°F Fixed temperature & rate-of-rise
282B-PL	194°F Fixed temperature & rate-of-rise
283B-PL	135°F Fixed temperature
284B-PL	194°F Fixed temperature

### 2435P Duct Smoke Detector

- ▶ 2 wire, 24V DC photo electric type
- ▶ UL listed
- ▶ Withstands air velocity of 300-4000 FPM
- ▶ Five sampling tube lengths available (see table)
- ▶ Complete unit includes housing, detector, and keyed test switch



2435P

CAT. NO.	DESCRIPTION
2435-001	8" Sampling Tube
2435-002	2' Sampling Tube
2435-003	3 1/2' Sampling Tube
2435-006	6 1/2' Sampling Tube
2435-010	10' Sampling Tube

## Single & Double Action Pull Stations

### 270 Series Single Action Metal Fire Alarm Stations

- ▶ UL, CSFM & MEA Listed
- ▶ Single & double pole models rated for 3 amps at 125V AC
- ▶ Glass replacement rods available Cat. No. 270-GLR, (Pack of 20)
- ▶ Surface mounting boxes: P-039250 steel or P-027193 cast; STI-3150 weatherproof enclosure available



270-SPO

CAT. NO.	DESCRIPTION
270-SPO	Single pole, open circuit
270A-SPO	Single pole, open circuit, wire leads
270P-SPO	Single pole, open circuit, pre-signal switch
270-DPO	Double pole, open circuit
270A-DPO	Double pole, open circuit, wire leads
270-DOC	Double pole, one open circuit, one closed circuit

### 278B Series Double Action Fire Alarm Stations

- ▶ UL, CSFM & MEA Listed
- ▶ Double action
- ▶ Single & double pole models rated for 3 amps at 125V AC
- ▶ UL listed glass replacement rods, available Cat. No. 276-GLR (package of 20)
- ▶ Key reset models available



278B-1110

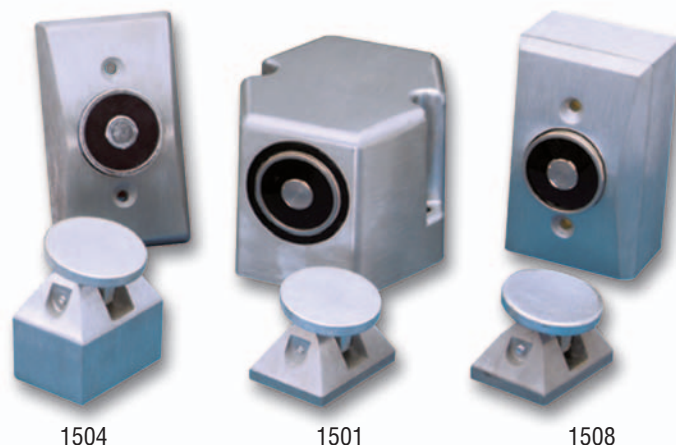
CAT. NO.	DESCRIPTION
278B-1110	Normally open, single pole, tool operated reset
278B-1120	Normally open, single pole contact, key reset
278B-1420	Normally open/closed, double pole contact, key reset

## 1500 Series Electromagnetic Door Holders

### Door Holders

- ▶ 25 lbs. minimum holding force
- ▶ UL Listed & FM approved
- ▶ Low power drain

The 1500 Series Door Holders provide a minimum holding force of 25 pounds. They are designed to be used on self-closing, swinging doors to automatically isolate an area when activated by fire alarm, smoke detection or sprinkler systems. They can also be operated by manual control wherever the instant closing of doors is necessitated for safety or for convenience.



### Extension Rods

- ▶ Two models available
- ▶ Adjustable from 6 3/8" to 12"
- ▶ Employs existing mounting hardware
- ▶ Supplied complete with all necessary allen wrenches
- ▶ Mounting hardware included



1500-7

Edwards Door Holder Extension Rods are for use where it is desired to hold doors open and where a standoff distance between the magnet assembly and the armature base is required.

The extension kit can be used with Edwards 1504, 1505, 1508 and 1509 Series door holders.

CAT. NO.	DESCRIPTION
1501-*	Floor mount
1502-*	Double door floor mount
1504-*	Flush wall mount with 2 5/8" armature
1505-*	Flush wall mount with 1 5/8" armature
1508-*	Surface mount
1509-*	Flush wall mount with 7/32" low profile assembly
1500-7	6.37" to 8" extension kit
1500-12	8.37" to 12" extension kit

\* Insert E1 for 12VDC, E5 for 12VAC, G1 for 24VDC, N5 for 120VAC, or AQ for 24VAC/DC

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