



Technology that saves lives

Submittal Guide

VM Series

Networked intelligent life safety with voice audio



See what's possible now.

VM Series
Head End

Initiating
Devices

Notification
Appliances

Hazardous Location
Devices

Door Holders
& Relays

VM Series



Technology that saves lives

Project: _____

Contact: _____

Date: _____

Thank you for giving us the opportunity to provide this submittal for a VM Series Life Safety System. VM Series represents some of the most technologically advanced innovations the life safety industry has ever seen – innovations that will make your building and its occupants safe.

This guide provides a summary of these innovations and includes a comprehensive presentation of related system components and devices. Products we are submitting for your consideration are indicated by a checkmark in the margins of the pages that follow.

More detailed information can be found in individual data sheets dedicated to each product. All these sheets, along with guide specifications and other useful product information, are available electronically at www.kidde-esfire.com.

Thank you for giving us the opportunity to provide this submittal. Please do not hesitate to contact us should you require further information.

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K85005-0134

Wiring diagrams provided herein are for information and reference only and are not to be used for installation purposes. Consult the appropriate installation documents for wiring and configuration details.

This guidebook is for information only and is not intended as a substitute for verbatim legislated requirements. For authoritative specifications regarding the application of life safety, security, and access control systems, consult current editions of applicable codes and standards. For authoritative interpretation of those codes and standards, consult your local authority having jurisdiction.

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VM Series represents the latest generation of life safety control panels for mid to large sized applications. With large multi-message displays, intuitive interfaces, and stylish contoured cabinets — these systems capture the imagination, and catch the eye. But behind the LCD display is where they really shine.

New TCP/IP-enabled microprocessors and chipsets take full advantage of the latest advances in computing technology, leading to smarter, faster, higher-capacity processing and more efficient designs. VM Series's patented Voltage Boost™ technology, for example, delivers constant voltage on NAC and AUX circuits – even at low battery power – resulting in lighter cable requirements and longer runs. That saves time and money.

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VM Series Head End

VM Series delivers high performance features exactly where you need them because flexibility is where VM's leading edge computing power is put to best use. In fact, VM Series can handle jobs that range from a single stand-alone control panel, to a sophisticated network comprising as many as 24 control panels processing data from up to 24,000 devices. Optional voice evacuation bridges the gap left by other mid-range systems, and makes these panels a cost-effective solution for most applications.

Networking at the speed of light

Networking is among VM Series' strong suits. A simple VM network can comprise up to 24 panels – enough to serve the needs of most campuses and larger buildings. Highly efficient RS485 connectivity, plus fiber-optic communications deliver faster response times and more sophisticated diagnostic capabilities, while cost-effective remote annunciation solutions keep basic monitoring and control always within reach.

Audio that speaks for itself

VM Series features three channels of integrated digital audio with up to two minutes of on-board programmable message storage. Its optional paging control center includes a high quality paging microphone to which can be added a firefighters' telephone. Auxiliary inputs are available for mass notification operations and connection to external systems.



An optional paging microphone provides local, as well as remote, audio functions.

Perfect for retrofits

VM Series is particularly well-suited to retrofit applications. All connections are made over standard wiring – no shielded cable required. This means that in most situations existing wiring can be used to upgrade a legacy control panel to VM Series technology without the expense or disruption of rewiring the entire building.

Power that goes the distance

Patented Voltage Boost™ technology delivers a constant 22.5 V on NAC and AUX circuits – even at low battery power. This means lighter gauge cable can be used for equivalent distances compared with conventional power supplies, or longer wire runs on the same gauge cable. Either way, this breakthrough technology saves time and equipment costs, making VM not only a high-performance solution – but a cost-effective one as well.

Tuned up and in synch

VM's four on-board Notification Appliance Circuits are fully synchronized to UL 1971 standards – without the need for external modules or other electronics. It's ample 10-amp power supply is finely tuned to get the most out of Kidde' widely-acclaimed low profile Genesis notification appliances.

The smart choice

Electronic addressing eliminates the tedium of setting dip-switches, and automatic device mapping ensures that each device resides on the system at its correct location. Meanwhile, innovative programming features allow the system designer to customize powerful built-in features to precisely suit the needs of the building owner.

Economical annunciation

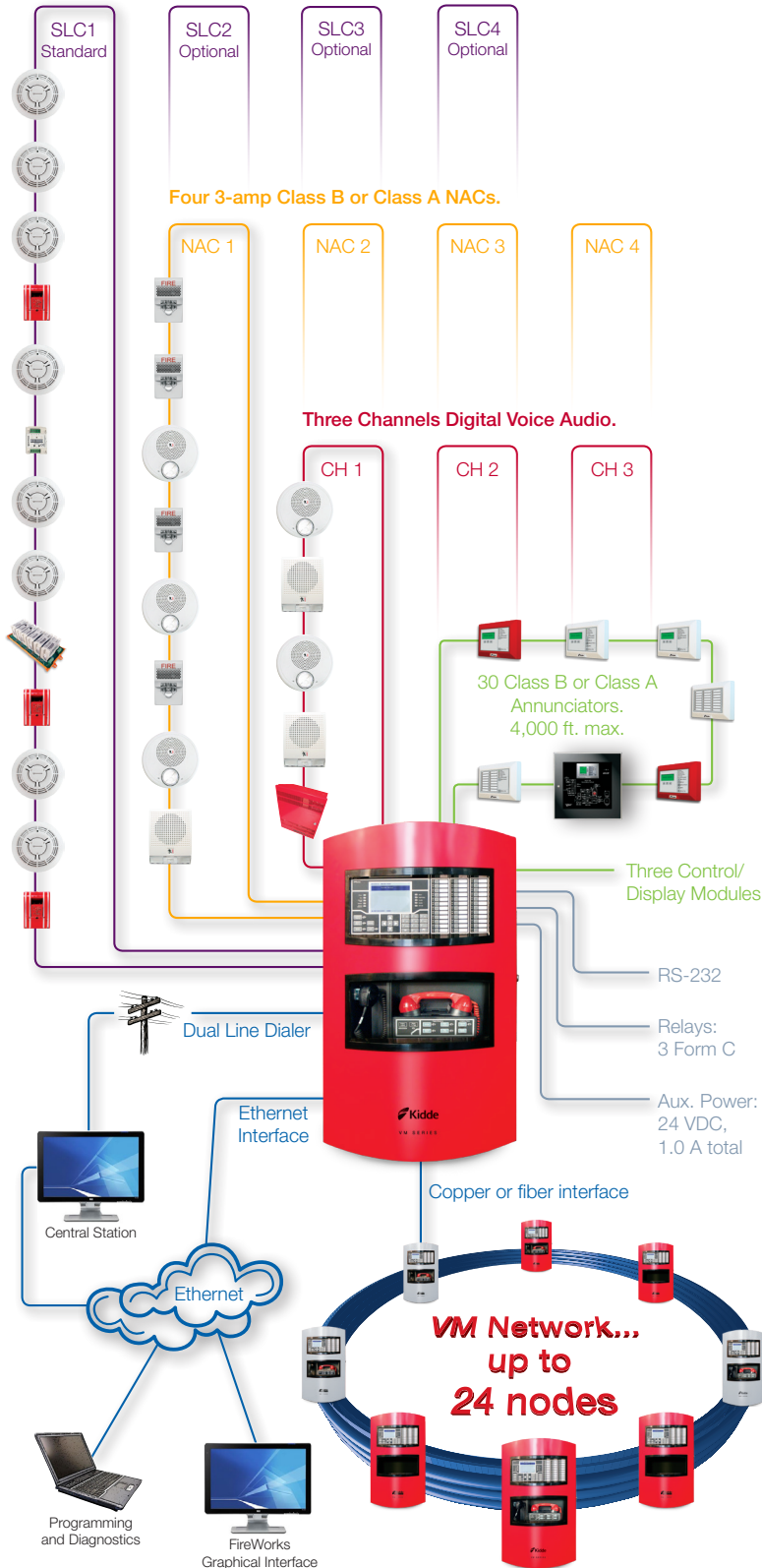
Up to 30 R-Series LCD, LED annunciators and driver interface cards may be configured for each control panel on the VM Series network. Compatible annunciators include a range of LED and LCD models that provide zone or point annunciation, as well as common control capabilities. VM Series also supports graphic annunciation with optional graphic annunciator interface modules. Each interface provides common control, indicators, and 32 LEDs. Expansion units provide 48 led outputs.



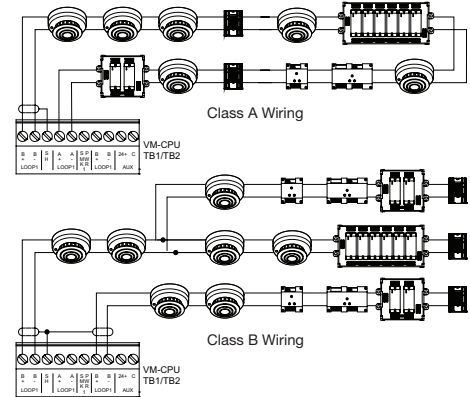
Up to 30 R-Series annunciators may be configured for each panel on the VM Series network.

System Layout and Wiring

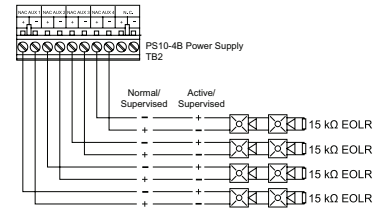
Up to Four Intelligent Analog Loops.



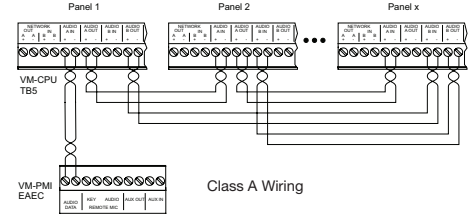
■ Signaling Line Circuit



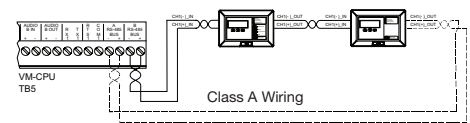
■ Notification Appliance Circuits



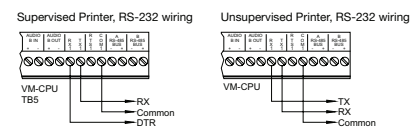
■ Digital Audio Riser



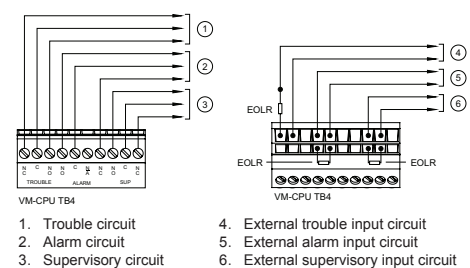
■ RS-485 bus wiring for remote annunciators



■ RS-232 wiring

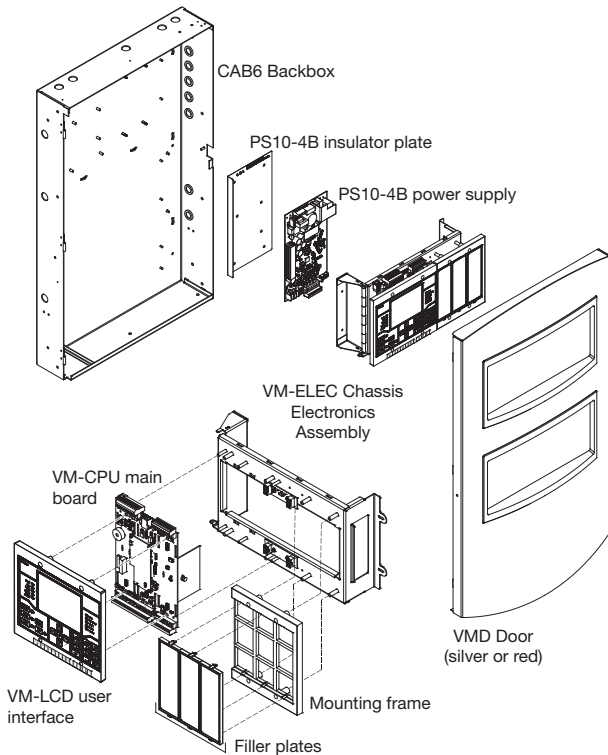


■ Common relays



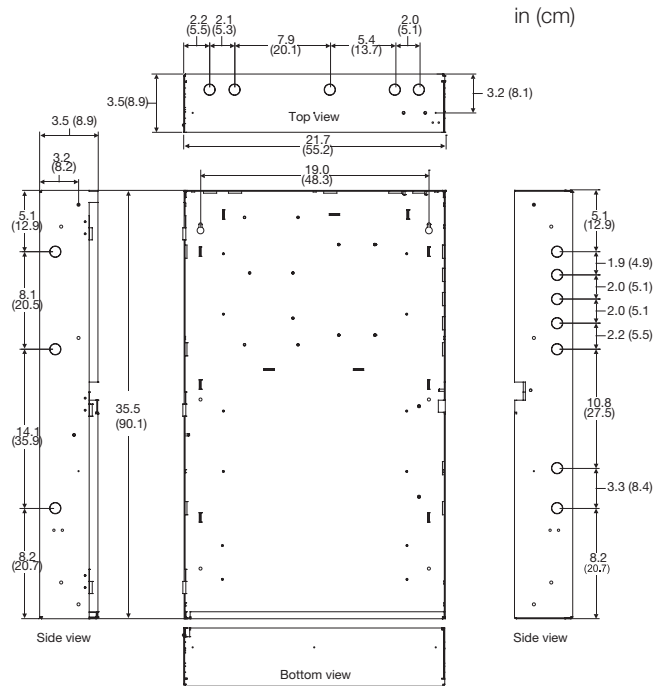
Assembly

VM Series systems are designed for quick assembly and easy access in the field. Components are modular and require no special tools to service or replace.



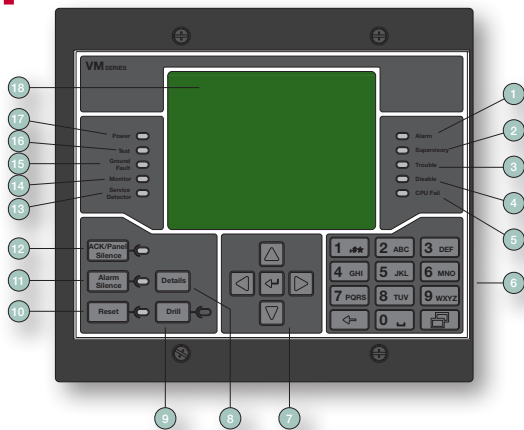
Dimensions

The backbox is designed for semiflush or surface mounting. Conduit and nail knockouts, keyhole style mounting holes, and wide wiring troughs facilitate efficiency during installation.



Note: Add 0.25 in (0.64 cm) to height and width dimensions to allow for knockouts when framing in the backbox for semiflush mounting.

Operation



1	Alarm	Flashing indicates new alarm events. On indicates all alarm events have been acknowledged.
2	Supervisory	Flashing indicates new supervisory events. On indicates all supervisory events have been acknowledged.
3	Trouble	Flashing indicates new trouble events. Steady indicates all trouble events have been acknowledged.
4	Disable	Indicates a system component has been disabled.

5	CPU Fail LED	Indicates a CPU process failure.
6	Keypad	Includes alphanumeric keys, backspace key, menu key.
7	Cursor controls	Includes up, down, left, and right arrow keys, Enter key.
8	Details	Displays additional information on the selected event.
9	Drill	Activates audible alarm signals and, if configured, visible alarm signals. The LED indicates that Drill operation is active.
10	Reset	Resets the fire alarm system. The LED indicates the panel is resetting.
11	Alarm Silencebutton/LED	Silences alarm signals. The LED indicates that Alarm Silence is active.
12	ACK/Panel Silence	Silences the panel buzzer and acknowledges all new events. The LED indicates that Panel Silence is active.
13	Service Detector	Indicates a detector needs servicing
14	Monitor	Flashing indicates new monitor events. On: Indicates all monitor events have been acknowledged.
15	Ground Fault	Indicates a system ground fault.
16	Test	Indicates system components are being tested.
17	Power	On indicates the panel is using primary power. Off indicates the panel (or another panel on the network) is using battery power.
18	LCD	Displays system status, event messages, reports, and operator menus.

SUBMIT



Control Panels

VM Series control panels come complete with user interface, CPU, one addressable loop, four Class B NACs, Universal 110/220v 10 Amp power supply. Order VM-SLC separately for a second signaling line circuit (SLC). Order VM-SLCXB for a third SLC, add a VM-SLC to the VM-SLCXB for a fourth SLC.



Model	Door Color	Language
VM-1R	Red	English
VM-1S	Silver	English

Data Sheet K85005-0133

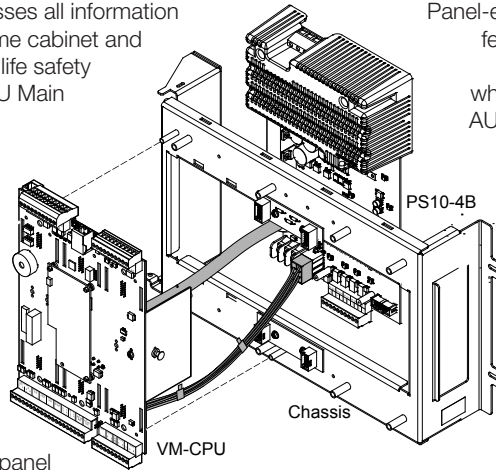
Data Sheet K85005-0133

Standard Equipment

VM-CPU Main Board

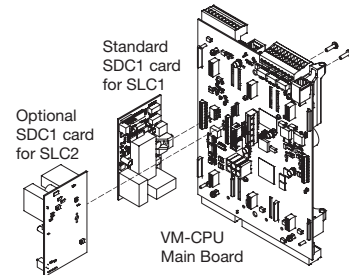
The VM-CPU Main Board processes all information from modules installed in the same cabinet and from other control panels on the life safety network. In addition, the VM-CPU Main Board provides:

- Identification of hardware and software faults, and ground fault detection
- Common alarm, common trouble, and common supervisory relay outputs
- One signaling line circuit (SLC), with the option of adding a VM-SLC card to provide a second SLC
- An Ethernet connection for panel programming and diagnostics (requires an optional VM-ETH1 card)
- Connections for network data and digital audio riser (requires an optional VM-NOC or VM-NOCF card)
- Connections for R-Series remote annunciators



PS10-4B Power Supply Card

Panel-equipped PS10-4B 10 amp power supplies feature universal 94 to 264 Vac input voltage and exclusive Voltage Boost™ technology, which delivers a constant 22.5 V on NAC and AUX circuits – even at low battery power. This means lighter gauge cable can be used for equivalent distances compared with conventional power supplies, or longer wire runs on the same gauge cable. In addition it provides the required power and related supervision functions for the control panel, as well as filtered, regulated power to the rail chassis modules and 24 VDC for operating ancillary equipment.



VM-SLC Signaling Line Circuit Card and VM-SLCXB Signaling Line Loop Expansion Card

The VM-SLC Signaling Line Circuit Card provides one Class B or Class A signaling line circuit loop on a VM-CPU main board that supports up to 125 detector and 125 module addresses. The card also provides resettable 24 VDC for powering conventional two-wire smoke detector circuits on GSA-Series modules.

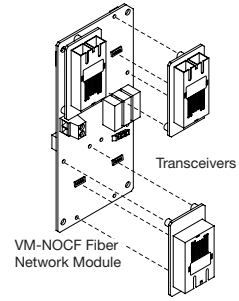
VM-SLCXB	Signaling Line Loop Controller Expansion Card	Data Sheet K85005-0133
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Network Options

Fiber Optic Transceivers

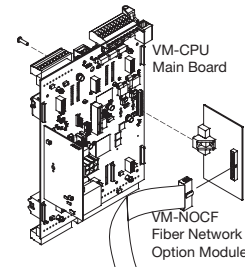
Fiber Optic Transceivers are used with a fiber optic network module to provide transmission and reception capability over fiber optic cable for fire control panels. Class B and Class A configurations are supported.



SMXLO2	Standard output single-mode for up to 8.7 mi. (14 km) node-to-node.	Data Sheet K85005-0133	<input type="checkbox"/>
SMXH12	High output single-mode for up to 24.85 mi. (40 km) node-to-node.	Data Sheet K85005-0133	<input type="checkbox"/>
MMXVR	Standard output multimode for up to 8,000 ft. (2.4 km) node-to-node.	Data Sheet K85005-0133	<input type="checkbox"/>

VM-NOCF Fiber Network Option Module

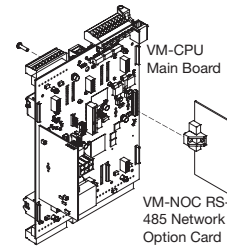
The VM-NOCF Fiber Network Option Module provides a fiber optic, or combination fiber optic and RS-485 communication path, for VM-1 control panels.



VM-NOCF	Fiber Network Option Module. Uses MMXVR, SMXH2, SMXLO.	Data Sheet K85005-0133	<input type="checkbox"/>
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VM-NOC RS-485 Network Option Card

The VM-NOC RS-485 Network Option Card is used to connect up to eight VM-1 panels. The card enables two independent RS-485 circuits for network data and digital audio communications. Class B and Class A wiring is supported.



VM-NOC	Network Option Card, RS485, Class B or Class A wiring.	Data Sheet K85005-0133	<input type="checkbox"/>
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Audio Options

VM-PMI Paging Microphone Interface

The VM-PMI Paging Microphone Interface provides controls for emergency voice/ alarm communication and two-way firefighters' telephone communication. The VM-PMI consists of an audio mounting bracket, EAEC Emergency Audio Evacuation Controller card, enclosure, and paging microphone.



VM-PMI	Audio Control & Paging Interface.	Data Sheet K85005-0133	<input type="checkbox"/>
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VM-MFK Master Firefighters' Telephone

VM-MFK Master Firefighters' Telephones add two-way firefighters' telephone capability to a VM-PMI Paging Microphone Interface. The VM-MFK mounts to the VM-PMI. Together they comprise the fire command center.



VM-MFK	Master Firefighters' Telephone Kit.	Data Sheet K85005-0133	<input type="checkbox"/>
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VM Series Head End

VM Remote Microphone

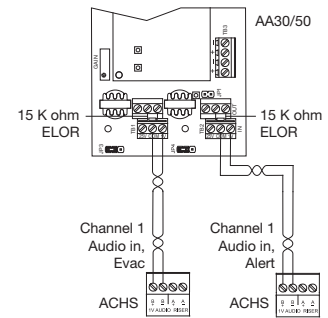
VM Remote Microphones provide remote paging capability throughout a building or campus. Each remote microphone has two inputs for connecting other remote microphone units. The paging circuit supports up to 63 interconnected remote paging stations.



<input type="checkbox"/>	VM-ARM	Remote Microphone, includes cabinet, semi-flush mount.	Data Sheet K85005-0133
<input type="checkbox"/>	VM-ARM-S	Remote Microphone, includes cabinet, surface mount.	Data Sheet K85005-0133

ACHS Audio Channel Selector Card

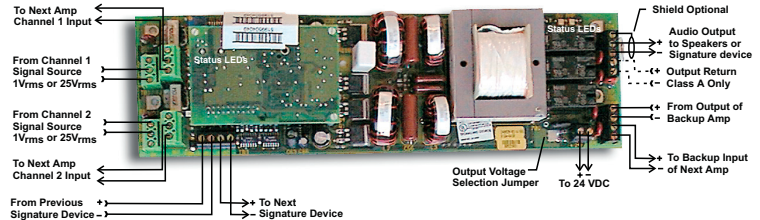
The ACHS Audio Channel Selector Card converts digital audio from an EAEC card into an analog preamp signal. Up to three ACHS cards may be mounted to a VM-PMI Paging Microphone Interface or AMK-RN Mounting Kit.



<input type="checkbox"/>	ACHS	Audio Channel Selector, one channel, supervised preamp output.	Data Sheet K85005-0133
<input type="checkbox"/>	AMK-RN	Mounting Kit. Holds up to three ACHS cards where no VM-PMI is used.	Data Sheet K85005-0133

Intelligent Audio Amplifiers

Signature Series amplifiers are high-efficiency switch mode audio amplifiers available in 30 and 50 watt sizes. Amplifiers have two input channels supporting dual channel or single channel audio applications. Signature amplifiers are ideally suited for distributed audio applications and small centrally banked applications. The audio output is configurable as 25V_{RMS} or 70V_{RMS} in Class B or Class A wiring configurations. Speakers can connect directly to the output of the amplifier or the amplifier output can run as an audio riser to Signature modules where speaker zone selection is made. Each amplifier has a built-in 1kHz tone generator and provision for a back up amplifier. On-board status LEDs provide quick visual indication of amplifier status.



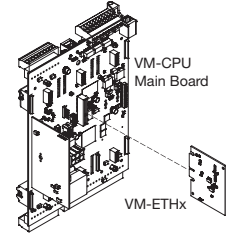
<input type="checkbox"/>	SIGA-AA30	30 Watt Intelligent Audio Amplifier	Data Sheet K85010-0089
<input type="checkbox"/>	SIGA-AA50	50 Watt Intelligent Audio Amplifier	Data Sheet K85010-0089



Option Cards

Ethernet Adapter Cards

The VM-CPU supports one of the following three adapter cards...



VM-ETH1 Ethernet Adapter Card

The VM-ETH1 adapter card provides a standard 10/100 Base-T Ethernet network connection for panel programming and diagnostics.

VM-ETH1 Ethernet Adapter for programming and diagnostics remotely.

Data Sheet K85005-0133

VM-ETH2 Ethernet Adapter Card

The VM-ETH2 adapter card provides all the function of the VM-ETH1 plus the added capability of communicating to compatible digital alarm receivers. Please refer to the VM UL Compatibility List for the latest compatible receivers.

VM-ETH2 Ethernet Adapter for Digital Alarm Receivers, programming, and diagnostics.

Data Sheet K85005-0133

VM-ETH3 Ethernet Adapter Card

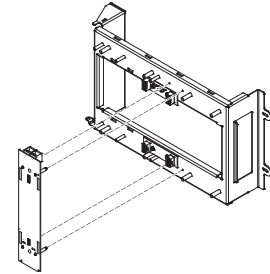
The VM-ETH3 adapter card provides all the function of the VM-ETH2 plus the added capability of sending email messages as well as SMS text messages by means of email-to-text.

VM-ETH3 Ethernet Adapter for email, Digital Alarm Receivers, programming, and diagnostics.

Data Sheet K85005-0133

VM-DACT Dual Line Dialer Card

The VM-DACT Dual Line Dialer Card provides dialer communications between the VM-1 control panel and remote locations over telephone lines. Alarm, supervisory, and trouble information is transmitted to the remote site using one or two telephone lines in dual or split format to any desired receiver.

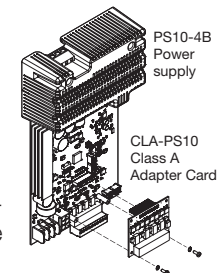


VM-DACT Dialer, dual line

Data Sheet K85005-0133

CLA-PS10 Class A Adapter Card

The CLA-PS10 Class A Adapter Card converts the four Class B notification appliance/auxiliary power circuits on the PS10-4B power supply card to Class A. For notification appliance circuits only.

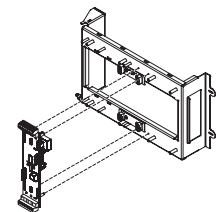


CLA-PS10 Class A Adapter, PS10 NACs.

Data Sheet K85005-0133

VM-SLCXB Signaling Line Loop Expansion Card

The VM-SLCXB Signaling Line Loop Controller Expansion Card provides up to two Class A or Class B data circuits for V-Series detectors and GSA modules. The VM-SLCXB includes one pre-installed VM-SLC signaling line circuit card. A second VM-SLC card (ordered separately) can be added to provide an additional device loop.



VM-SLCXB Signaling Line Loop Controller Expansion Card.

Data Sheet K85005-0133

VM-SLC Signaling Line Circuit Card.

Data Sheet K85005-0133

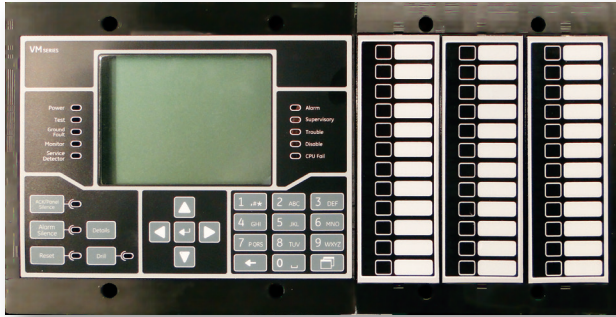
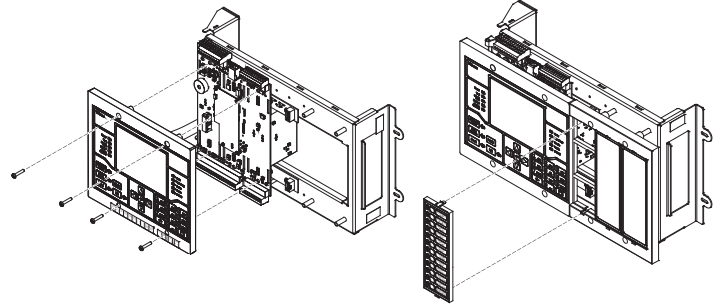
VM-SLC-HC High Capacity SLC Card for circuits with more than 90 isolators.

Data Sheet K85005-0133

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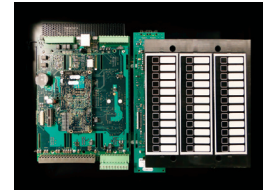
Control, Display & Annunciation



VM Series features an extra-large backlit display with a full 24-line by 40 character screen capable of showing eight simultaneous events without the need from scrolling. Up to three switch/LED strips may be added, with control operations and multi-colored LED behavior controlled by software. Customizable inserts provide plenty of room for meaningful labels, while large tactile control buttons instill confidence and promote quick response when time is of the essence. The main display mounts to the CPU. Control/display modules attach to a convenient mounting frame.

Control Display Modules

VM Control Display Modules provide additional operator interface capability. The module consists of 12 groups of two LED-switches arranged as a quad-color LED that is software-programmable to amber, red, blue, or green, and a single-color amber LED.



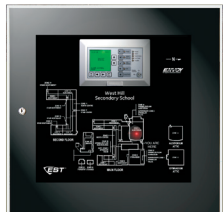
D12LS-VM	Control/Indicating Display Strip, 12 groups: two LEDs with switch.	Data Sheet K85005-0133
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FireWorks Graphical Annunciation Interface

The FireWorks Graphical Annunciation Interface is a software platform that provides end users with clear, concise, and coordinated site incident information. FireWorks also supports optional text-based web clients to provide remote status updates. Five configurable graphical viewports offer simultaneous insight into different aspects of an incident, while the underlying software dynamically manages content in each viewport based on real-time events and user interaction. Facility maps, embedded HTML viewer, and live event flow from vital equipment all come together instantly within view of an operator facing events that require solid information and split-second timing.

FW-CGSVM	FireWorks Graphics Software. Fiveviewport display. No common control.	Data Sheet K85005-0068
FW-IPMON1000	IP Monitoring, 1000 connections. Requires FW-DARCOM.	Data Sheet K85005-0068
FW-DARCOM	For Communication to DACRs and/or IPMON1000.	Data Sheet K85005-0068



LED-based Graphic Annunciation

The GCI series of graphic annunciator drivers allow the VM control panel to display events on an LED-based graphic annunciator. The GCI annunciator card supports 32 LEDs on the graphic panel display. It includes status LEDs and an internal buzzer. The graphic card is supplied with snap track mounting. It is attached to a plastic mounting rail that requires two EIA panels. The annunciator communicates with the control panel on the RS 485 data riser, which can be configured for Class A or Class B communication. Always ensure that National and Local approvals and requirements are met when selecting a graphic panel supplier.



GCI	Graphic Annunciator Driver.	Data Sheet K85005-0133
GCIX	Graphic Annunciator Driver Expander. Outputs for 48 LEDs, 24 switch inputs.	Data Sheet K85005-0133



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VM Series Head End

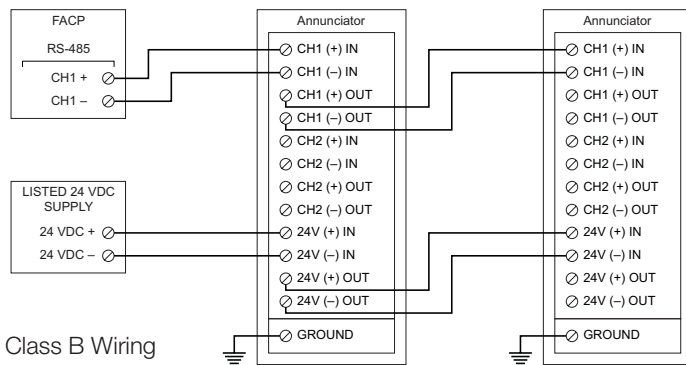
Initiating Devices

Notification Appliances

Hazardous Location Devices

Door Holders & Relays

R-Series Annunciators



Class B Wiring

Each VM Series node can accommodate up to 30 R-Series and graphic annunciators. R-Series Annunciators are high-performance devices that offers LCD or LED annunciation. Models are available with and without common controls.

R-Series annunciators and expanders are mounted on a standard 4-inch square electrical box, using the included mounting ring. They can also be surface mounted in locking steel enclosures. Three different enclosures are available.

A keyswitch and graphic annunciator interface is available for R-Series annunciator applications. The keyswitch enables or disables common controls. The graphic annunciator interface card supports 32 LEDs and 16 switches on the graphic panel display, with expander additional 48 LEDs and 12 switches.

Remote Annunciators

KRLCD	LCD text annunciator without common controls. English.	Data Sheet K85005-0128	<input type="checkbox"/>
KRLCD-R	LCD text annunciator without common controls. English. Red.	Data Sheet K85005-0128	<input type="checkbox"/>
KRLCDF	LCD text annunciator without common controls. French.	Data Sheet K85005-0128	<input type="checkbox"/>
KRLCD-C	LCD text annunciator with common controls. English.	Data Sheet K85005-0128	<input type="checkbox"/>
KRLCD-CR	LCD text annunciator with common controls. English. Red.	Data Sheet K85005-0128	<input type="checkbox"/>
KRLCD-CF	LCD text annunciator with common controls. French.	Data Sheet K85005-0128	<input type="checkbox"/>
KRLED-C	16-pair LED zone annunciator with common controls. English.	Data Sheet K85005-0128	<input type="checkbox"/>
KRLED-CR	16-pair LED zone annunciator with common controls. English. Red.	Data Sheet K85005-0128	<input type="checkbox"/>
KRLED-CF	16-pair LED zone annunciator with common controls. French.	Data Sheet K85005-0128	<input type="checkbox"/>

Remote Expanders

KRLED24	24-pair LED zone expander with expander cable and zone card insert.	Data Sheet K85005-0128	<input type="checkbox"/>
KRLED24R	24-pair LED zone expander with expander cable and zone card insert. Red.	Data Sheet K85005-0128	<input type="checkbox"/>

Enclosures

RA-ENC1	One-position enclosure for Remote Annunciator.	Data Sheet K85005-0128	<input type="checkbox"/>
RA-ENC2	Two-position enclosure for Remote Annunciator and one Remote Expander.	Data Sheet K85005-0128	<input type="checkbox"/>
RA-ENC3	Three-position enclosure for Remote Annunciator and two Remote Expanders.	Data Sheet K85005-0128	<input type="checkbox"/>
LSRA-SB	Surface Mount Box - for single R Series annunciator.	Data Sheet K85005-0128	<input type="checkbox"/>

Graphic Annunciator Driver

GCI	Graphic Annunciator Driver	Data Sheet K85005-0128	<input type="checkbox"/>
GCIX	Graphic Annunciator Expander - supports 48 LEDs and 12 switches.	Data Sheet K85005-0128	<input type="checkbox"/>

Accessories

RKEY	Remote key switch on plate for enabling or disabling common controls.	Data Sheet K85005-0128	<input type="checkbox"/>
27193-16	Electrical box, surface mount, white, single-gang, for RKEY.	Data Sheet K85005-0128	<input type="checkbox"/>

SUBMIT



Power Supplies

Remote Booster Power Supply

The Remote Booster Power Supply is a self-contained 24 Vdc power supply designed to augment fire alarm audible and visual power requirements as well as provide power for auxiliary, access control and security applications. The booster contains all of the necessary circuits to monitor and charge batteries, control and supervise four Class B or two Class A NAC circuits and monitor two controlling inputs from external sources. It also provides the ability to synchronize Genesis series strobes to UL 1971 requirements, and offers independent horn control over two wires.



For comprehensive configuration and wiring details, refer to the BPS Application Guide, 85001-0582.

<input type="checkbox"/>	MIRBPS6A	6.5 Amp Booster Power Supply	Data Sheet K85005-0125
<input type="checkbox"/>	MIRBPS6A/230	6.5 Amp Booster Power Supply (220V)	Data Sheet K85005-0125
<input type="checkbox"/>	MIRBPS10A	10 Amp Booster Power Supply	Data Sheet K85005-0125
<input type="checkbox"/>	MIRBPS10A/230	10 Amp Booster Power Supply (220V)	Data Sheet K85005-0125
<input type="checkbox"/>	3-TAMP	Tamper switch	Data Sheet K85005-0125



Auxiliary Power Supplies

The Auxiliary Power Supply offers the same advantages as the BPS above, but is supplied with its own extra large enclosure providing space for up to two 24 Ah batteries and additional option modules in a number of mounting configurations. Option modules can be installed on the mounting brackets inside the enclosure or on an MP2L mounting plate at the top of the enclosure. These include the GSA-REL releasing module, O2/6/6R module motherboards, as well as SIGA-AA30 and -AA50 amplifiers.

APS6A	6.5 Amp Auxiliary Power Supply	Data Sheet K85005-0127	<input type="checkbox"/>
APS6A/230	6.5 Amp Auxiliary Power Supply (220V)	Data Sheet K85005-0127	<input type="checkbox"/>
APS10A	10 Amp Auxiliary Power Supply	Data Sheet K85005-0127	<input type="checkbox"/>
APS10A/230	10 Amp Auxiliary Power Supply (220V)	Data Sheet K85005-0127	<input type="checkbox"/>



Batteries and Battery Cabinets

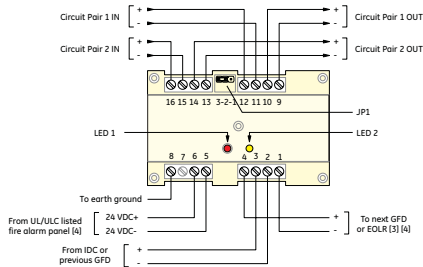
Data Sheet K85010-0127

12 Volt Batteries	<input type="checkbox"/> 12V24A (26 Ah)	<input type="checkbox"/> 12V40A (40 Ah)	<input type="checkbox"/> 12V50A (50 Ah)	<input type="checkbox"/> 12V65A (65 Ah)	<input type="checkbox"/>
	<input type="checkbox"/> 12V6A5 (7.2 Ah)	<input type="checkbox"/> 12V10A (11 Ah)	<input type="checkbox"/> 12V17A (18 Ah)		
6 Volt Batteries	<input type="checkbox"/> 6V8A (8 Ah)	<input type="checkbox"/> 6V10A (12 Ah)			<input type="checkbox"/>
Battery Cabinets	<input type="checkbox"/> BC-1 (holds up to two 40 Ah batteries)	<input type="checkbox"/> BC-2 (holds up to two 17 Ah batteries)			<input type="checkbox"/>
	<input type="checkbox"/> 3-RCC7R (holds up to two 65 Ah batteries)				

SUBMIT



Accessories



Ground Fault Detection Module



The GFD module is designed to detect ground fault conditions on either of two independent power or data circuits. Each circuit must be balanced with respect to ground. The module will detect when the resistance between any of the monitored conductors and earth ground drops below 10 K Ohms. Two LEDs are provided to indicate the conductor with the ground condition. A normally energized Trouble/Ground Fault relay is provided with NO/NC relay contacts for interfacing with monitoring systems.

GFD	Ground Fault Detection Module	Data Sheet K85010-0115
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CDR-3 Coder



The CDR-3 Coder is an auxiliary circuit option module that provides two audio outputs, March Time and PSNI, (Positive, successive, non-interfering). Dry relay contacts are provided for PSNI code, march time and duration. For the PSNI code, the RS-232C input provides communications, between VM Series's RS-232 communications card and the CDR-3.

CDR-3	PSNI Coder Module	Data Sheet: K85003-02709
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- Intelligent Smoke Detectors p. 14
- Intelligent Heat and CO Detectors p. 15
- Detector Bases p. 16
- Duct Smoke Detectors p. 17
- Input/Output Modules p. 18
- Releasing Module p. 21
- Manual Pull Stations p. 22

V-Series

Analog Addressable Initiating Devices

Kidde brand analog addressable detectors are meticulously engineered to deliver high-performance features, superb reliability, and unbeatable quality. With their highly stable design, these detectors resist air movement caused by heating and air conditioning, making them reliable performers ideally suited to modern building interiors.

The installation and maintenance advantages of Kidde brand analog addressable detectors add value throughout their service life. The twist-and-lock design makes short work of installation and maintenance operations. A plastic breakout on the detector housing optionally prevents removal from the base except with a special tool.

A bright, easy-to-see LED flashes red when the detector is in alarm, thus eliminating much of the guesswork when responding to front-panel indications.

The KI-OSCD detector, with its on-board CO sensor, pulls double-duty — continuously monitoring the environment for signs of smoke, as well as its invisible yet deadly companion, carbon monoxide.

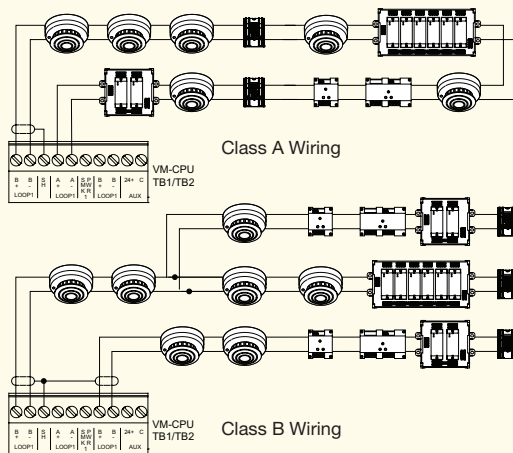
Standard Features

- Optical, heat, and multisensor models available
- Compatible standard, relay, isolator, and audible bases
- Electronic Addressing including mapping location
- Bases mount to standard North American two-gang or 4" square electrical boxes
- Tamper-resistant feature
- Self diagnostic capability with on-board storage of results
- Optical detectors feature automatic rate compensated sensitivity adjustment, as well as dirty sensor warnings
- Manufactured to strict international ISO 9001 standards
- Assembled using surface mount technology for RF resistance
- Conformally coated components resist dust and humidity
- Automatic detector test
- Low Profile Design

VM Series Device loop

VM Series control panels provide one device loop circuit that supports 125 detectors and 125 module addresses. The VM panel may support a second, third or fourth loop by means of the appropriate number of VM-SLC loop expansion modules and VM-SLCXB expander modules. All loop circuits are supervised for opens, shorts, and grounds.

Typical Wiring



Kidde heat and smoke detectors comprehensive self-diagnostic capability. The KI-OSD, KI-OSCD, and KI-OSHD optical detectors continuously adjust their sensitivity to compensate for changes in the environment such as the presence of dirt, smoke, temperature, and humidity. These detectors issue a dirty sensor warning when they reach their preset limit.

SUBMIT



KI-Series Intelligent Detectors



Optical and combination detectors

KI-Series optical detectors continuously adjust their sensitivity based on fluctuating environmental conditions such as the presence of dirt, smoke, humidity, or changes in temperature and notify the control panel of any changes in sensor sensitivity. When the detector has adjusted its sensitivity to its maximum limit, it issues a dirty sensor warning, allowing enough of a margin for maintenance personnel to clean the detector before it goes into trouble condition. These detectors perform comprehensive self-diagnostics and store these details in their on-board memory.

Optical Smoke Detector

KI-OSD Optical Smoke Detector uses an optical sensing chamber to detect smoke. The detector analyzes data gathered by the sensor to determine when an alarm is initiated. Thanks to its high-performance optical sensing chamber, the KI-OSD responds quickly and reliably to a wide range of fire types, especially slow burning fires fuelled by combustibles typically found in modern multi-use buildings. The KI-OSD detects extremely small particles and triggers an alarm at the first sign of smoke.



KI-OSD Intelligent Optical Smoke Detector

Data Sheet K85001-1001

Optical Smoke/Fixed Temperature Heat Detector

KI-OSHD Optical/Fixed Temperature Detector houses an optical sensing chamber that detects smoke, as well as a fixed-temperature sensor that detects heat. The detector analyzes data from both sensors to determine when an alarm is initiated. This combines the suitability of optical sensing for slow burning fires with the sensitivity of fixed-temperature detection for fast flaming fires, arriving at a solution that responds reliably to the widest range of fire types. A sophisticated algorithm processes data from both sensors over time so that an alarm is only reported when conditions precisely match the signature of a fire. This eliminates the shortcomings of single-sensor optical and heat detection, and significantly reduces the risk of nuisance alarms.



KI-OSHD Intelligent Optical/Fixed Temperature Detector

Data Sheet K85001-1003



Heat Detectors

Thanks to advanced thermistor technology, KI-Series heat detectors are ideal for sensing fast, flaming fires and for applications where smoke detection is inappropriate. They are particularly well-suited to areas such as kitchens and shower rooms, where the ambient temperature is relatively constant, but where steam and smoke are present. These heat detectors are capable of performing comprehensive self-diagnostics and storing the results on board.

Rate-of-Rise Heat Detector

The KI-HRD Rate-of-Rise Heat Detector provides a 15°F (8°C) per minute rate-of-rise heat sensor for the detection of heat due to fire. The heat sensor monitors the temperature of the air and determines whether an alarm should be initiated.



KI-HRD	Intelligent Rate-of-Rise Heat Detector	Data Sheet 85001-0647	<input type="checkbox"/>
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Fixed Temperature Heat Detector

KI-HFD Fixed Temperature Heat Detector provides a 135°F (57°C) fixed-temperature heat sensor for the detection of heat due to fire. The heat sensor monitors the temperature of the air and determines whether an alarm should be initiated.



KI-HFD	Intelligent Addressable Fixed Temperature Heat Detector	Data Sheet K85001-0647	<input type="checkbox"/>
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Carbon Monoxide Detectors

Carbon Monoxide (CO) is the leading cause of accidental poisoning deaths in America. Known as The Silent Killer, CO is odorless, tasteless, and colorless. It claims nearly 500 lives, and results in more than 15,000 hospital visits annually. CO detection has rapidly become a standard part of life safety strategy. Monitored CO detection is mandated with increasing frequency in all types of commercial applications, but particularly in occupancies such as hotels, rooming houses, dormitories, day care facilities, schools, hospitals, assisted living facilities, and nursing homes. In fact, more than half of the U.S. population already lives in states requiring the installation of CO detectors in some commercial occupancies.

Intelligent Fire Detectors with Integrated CO Sensor

The KI series combine an integrated CO sensor with photoelectric Smoke sensing.



KI-OSCD	Intelligent Photoelectric Detector with CO Sensor	Data Sheet K85001-1002	<input type="checkbox"/>
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SUBMIT



KI-Series Bases

Detector mounting bases have wiring terminals that are accessible from the room-side after mounting the base to the electrical box. The bases mount to North American one-gang boxes and to 3½ inch or 4 inch octagon boxes, 1½ inches (38 mm) deep. They also mount to European BESA and one-gang boxes with 60.3 mm fixing centers. The KI-SB4, KI-RB4, and KI-IB4 also mount to North American 4 inch sq. electrical boxes. They include the GSA-TS4 Trim Skirt, which is used to cover the “mounting ears” on the base. The KI-ABST mounts to a 4 inch square box only.



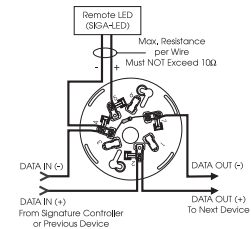
Base with 4-inch trim skirt

KI-Series Detector Bases

Standard Detector Base



Standard detector bases provide roomside wiring terminals. They mount to North American one-gang box, 3½ or 4-inch octagon boxes, or 4-inch square electric box. Bases for 4-inch square boxes include a trim skirt to conceal the electric box and provide a finished appearance.

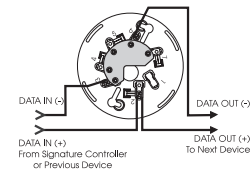


<input type="checkbox"/>	KI-SB	KI-SB4 (c/w 4-inch trim skirt)	Standard Detector Base	Data Sheet K85001-0646
<input type="checkbox"/>	GSA-LED	Remote alarm LED (use with standard base only)		Data Sheet K85001-0592

Isolator Detector Base



Isolator detector bases provide room-side wiring terminals and includes a built-in line fault isolator. Models with integral switches allow the detector to be removed from its base without causing the isolator to operate. Mounts to North American one-gang box, 3½ or 4-inch octagon boxes, or 4-inch square electrical boxes.

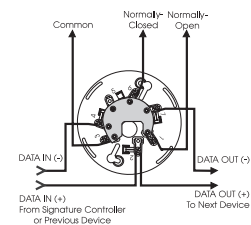


<input type="checkbox"/>	KI-IB	KI-IB4 (c/w 4-inch trim skirt)	Isolator Detector Base	Data Sheet K85001-0646
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Relay Detector Base



This base includes a relay. Normally-open or closed operation is selected during installation. The dry contact is rated for 1 amp (pilot duty) @ 30 Vdc. The relay's position is supervised to avoid accidentally jarring it out of position. The relay base does not support the SIGA-LED remote LED. It mounts to North American one-gang boxes, 3½ or 4-inch octagon boxes, or 4-inch square electrical boxes. Bases for 4-inch square boxes include a trim skirt.



<input type="checkbox"/>	KI-RB	KI-RB4 (c/w 4-inch trim skirt)	Relay Detector Base	Data Sheet K85001-0646
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VM Series Head End

Initiating Devices

SUBMIT

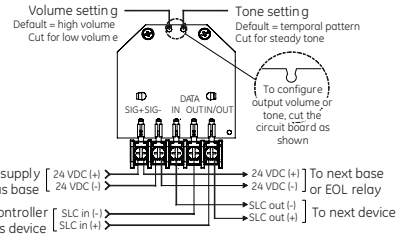


KI-Series Audible Detector Bases

Audible (Sounder) Bases



Sounder Bases for CO and fire detectors add audible output functions to KI-Series intelligent detectors. Audible bases can operate as independent local alarms, or as part of a zone or system alarm with synchronized audible output. KI-ABLT is UL listed for sleeping areas and other applications requiring 520 Hz low frequency audible tones. KI-ABDT and KI-ABLT audible bases may be used with combination smoke/CO detectors when a GSA-T3T4 module is installed on the same data loop.

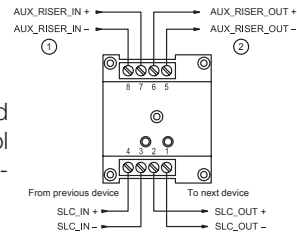


KI-ABLT	Low Frequency Sounder Base for KI-Series Detectors, 520 hz, T3/T4	Data Sheet K85001-0651	<input type="checkbox"/>
KI-ABDT	Sounder Base for KI-Series Detectors, 3k hz, T3/T4	Data Sheet K85001-0651	<input type="checkbox"/>
KI-ABST	Sounder Base for KI-Series Detectors, 3k hz, fire only	Data Sheet K85001-0646	<input type="checkbox"/>
AB4G-SB	Surface Box for Audible Base	Data Sheet K85001-0646	<input type="checkbox"/>

GSA-T3T4 Temporal Pattern Generator



The GSA-T3T4 Temporal Pattern Generator is an addressable device that generates sound patterns for carbon monoxide (CO) and fire signals for the KI-ABDT or KI-ABLT sounder bases. The control panel sends synchronization and channel commands to the GSA-T3T4; the channel selection determines the pattern.



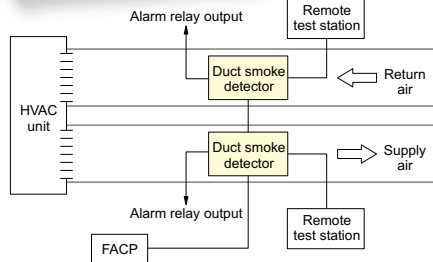
GSA-T3T4	Temporal Pattern Generator for KI-ABDT or KI-ABLT Sounder Bases	Data Sheet K85001-0623	<input type="checkbox"/>
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Initiating Devices

Notification Appliances

Hazardous Location Devices

Door Holders & Relays



SuperDuct Duct Detectors

Less than two inches deep, SuperDuct Intelligent addressable smoke detectors are ideal for installation in ductwork, where space is always at a premium. Offering the most advanced and most reliable performance in its class, SuperDuct represents the perfect balance of practical design and advanced technology.

SuperDuct detectors feature a unique design that speeds installation and simplifies maintenance. Removable dust filters, conformally coated circuit boards, and optional water-resistant gaskets keep contaminants away from components, ensuring years of trouble-free service. When cleaning is required, the assemblies come apart easily and snap back together in seconds.

GSA-SD	Intelligent Addressable SuperDuct Detector				Data Sheet K85001-0584	<input type="checkbox"/>
Sampling Tubes	<input type="checkbox"/> SD-T8 (8")	<input type="checkbox"/> SD-T18 (18")	<input type="checkbox"/> SD-T24 (24")	<input type="checkbox"/> SD-T36 (36")	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> SD-T42 (42")	<input type="checkbox"/> SD-T60 (60")	<input type="checkbox"/> SD-T78 (78")	<input type="checkbox"/> SD-T120 (120")	<input type="checkbox"/>	<input type="checkbox"/>
Remote Test Stations	<input type="checkbox"/> SD-TRM (magnetic)	<input type="checkbox"/> SD-TRK (keyed)	<input type="checkbox"/> GSA-LED (Remote alarm LED)		<input type="checkbox"/>	<input type="checkbox"/>
Accessories	<input type="checkbox"/> SD-GSK (cover gasket kit)		<input type="checkbox"/> SD-MAG (Test magnet kit)		<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> SD-VTK (Air velocity test kit, stoppers only)		<input type="checkbox"/> GSA-SDPCB (PCB sensor kit)		<input type="checkbox"/>	<input type="checkbox"/>

SUBMIT



Addressable initiating

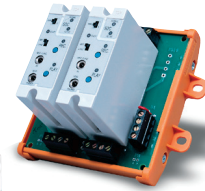
Input/Output Modules

Kidde input/output modules are extremely flexible and powerful devices that gather Intelligent information from the slave devices connected to them and convert this data into digital signals. They are available in models that mount in standard one- or two-gang electrical boxes, as well as versions that plug into UIO motherboards.

The actual function of each module is determined by its installer-selected personality code. This is downloaded to the module from the device controller during system configuration. Because they are intelligent devices, all decisions are made at the module. This allows lower communication speed but very fast control panel response time and less sensitivity to line noise and loop wiring properties. As a result, twisted or shielded wire is not required.



Standard two-gang mount



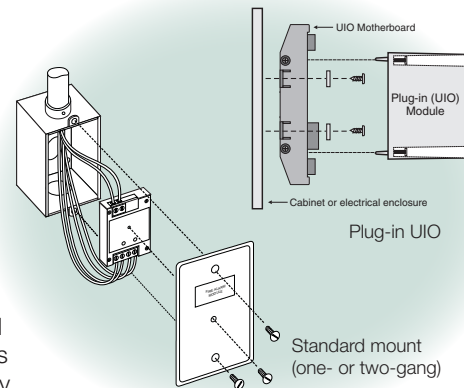
Plug-in UIOs with motherboard

Module mounting and installation options

Kidde input/output modules are available in models that feature two mounting options: standard mount and plug-in.

Standard mount models are installed to North American two-gang or one-gang electrical boxes, making them ideal for locations where only one module is required. Separate I/O and data loop connections are made to each module.

Plug-in UIO modules mount to UIO motherboards. Two- and six-module UIO motherboards are available, making them ideal for installations where more than one module is required. Motherboards can accommodate individual risers for each on-board module, or shared risers in any combination with their UIO modules. All wiring connections are made to terminal blocks on the motherboard. UIO assemblies may be mounted in either cabinets, or standard electrical enclosures.



SUBMIT



Universal Class A/B Module

The Universal Class A/B Module is used to connect initiating, appliance, or two-wire smoke circuits in either Class A or Class B configurations. The plug-in version can also be used as a Class A dry contact initiating device circuit. The actual function of this module is determined by the “personality code” selected by the installer. Up to fifteen personalities are available.



GSA-UM	Universal Class A/B Module (Two-gang standard mount)	Data Sheet K85001-0275	<input type="checkbox"/>
GSA-MAB	Universal Class A/B UIO (Plug-in) Module	Data Sheet K85001-0275	<input type="checkbox"/>

Class B Input Module

The Class B Input Module is used to connect Class B normally-open Alarm, Supervisory, or Monitor type dry contact initiating device circuits. The standard-mount version is available with either one or two input connections. The plug-in version accepts two input connections. The actual function of this module is determined by the “personality code” selected by the installer. A total of four personalities are available.



GSA-CT1	Single Input Module (One-gang standard mount)	Data Sheet K85001-0241	<input type="checkbox"/>
GSA-CT2	Dual Input Module (One-gang standard mount)	Data Sheet K85001-0241	<input type="checkbox"/>
GSA-MCT2	Dual Input UIO (Plug-in) Module	Data Sheet K85001-0241	<input type="checkbox"/>

Waterflow/Tamper Module

The GSA-WTM Waterflow/Tamper Module is a two circuit intelligent module. Circuit 1 is for Class B normally-open waterflow alarm switches. When the input contact is closed for approximately 16 seconds, an “alarm” signal is sent to the loop controller. Circuit 2 is for Class B normally open dry contact supervisory and tamper switches. When the input contact is closed, an “active” signal is sent to the loop controller. Conditions on both circuits are latched at the module.



GSA-WTM	Waterflow/Tamper Module (One-gang standard mount)	Data Sheet K85001-0297	<input type="checkbox"/>
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Isolator Module

The GSA-IM Isolator Module is an intelligent device that allows part of the data loop to continue operating in the event of a short circuit. The module can be wired into a Class A data loop at any point. A maximum of 96 isolator modules can be installed on one circuit. If a fault occurs, the isolator cuts power to all devices beyond the isolator on the loop. Once activated, the line fault isolator continuously checks the faulted side of the loop to determine if the short still exists. When the fault is cleared, the module automatically restores the entire data loop to its normal condition.



GSA-IM	Fault Isolator Module (Two-gang standard mount)	Data Sheet K85001-0271	<input type="checkbox"/>
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Monitor Module

The GSA-MM1 is a single-circuit intelligent module that includes a Class B normally-open dry contact. This is used for monitoring input from devices such as fans, dampers, and doors. When the input contact is closed, an “active” signal is sent to the loop controller. The active condition is not latched at the module.



GSA-MM1	Monitor Module (One-gang standard mount)	Data Sheet K85001-0297	<input type="checkbox"/>
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Initiating Devices

Notification Appliances

Hazardous Location Devices

Door Holders & Relays

SUBMIT



Signal Module

The Signal Module is used to connect, upon command from the loop controller, supervised Class B signal or telephone circuits to their respective power inputs. Models are available with one or two power inputs. These may be either polarized 24 Vdc to operate audible and visual signal appliances, or 25 and 70V_{RMS} to operate audio evacuation speakers and firefighter's telephones. The actual function of this module is determined by the "personality code" selected by the installer. A total of three personalities are available.



<input type="checkbox"/>	GSA-CC1	Single Input Signal Module (Two-gang standard mount)	Data Sheet K85001-0237
<input type="checkbox"/>	GSA-MCC1	Single Input Signal UIO (Plug-in) Module	Data Sheet K85001-0237
<input type="checkbox"/>	GSA-CC2	Dual Input Signal Module (Two-gang standard mount)	Data Sheet K85001-0237
<input type="checkbox"/>	GSA-MCC2	Dual Input Signal UIO (Plug-in) Module	Data Sheet K85001-0237
<input type="checkbox"/>	SIGA-CC2A	Dual Input Signal Module with Class A Operation (2-gang mount)	Data Sheet K85001-0609
<input type="checkbox"/>	SIGA-MCC2A	Dual Input Signal UIO with Class A Operation (Plug-in)	Data Sheet K85001-0609

Control Relay Module

The Control Relay Module provides a Form C dry relay contact to control external appliances such as door closers, fans, dampers etc. This device does not provide supervision of the state of the relay contact. Instead, the on-board microprocessor ensures that the relay is in the proper ON/OFF state. Upon command from the loop controller, the relay activates the normally open or normally-closed contact. This module supports only one personality: no user configuration is required.



<input type="checkbox"/>	GSA-CR	Control Relay Module (One-gang standard mount)	Data Sheet K85001-0239
<input type="checkbox"/>	GSA-MCR	Control Relay UIO (Plug-in) Module	Data Sheet K85001-0239
<input type="checkbox"/>	GSA-CRH	High Power Control Relay Module (One-gang standard mount)	Data Sheet K85001-0644

Polarity Reversal Relay Module

The Polarity Reversal Relay Module provides a Form C dry relay contact to power and activate a series of GSA-AB4 Audible Sounder Bases. Upon command from the loop controller, the GSA-CRR reverses the polarity of its 24 Vdc output, thus activating all Sounder Bases on the data loop. This module supports only one personality: no user configuration is required.



<input type="checkbox"/>	GSA-CRR	Polarity Reversal Relay Module (One-gang standard mount)	Data Sheet K85001-0239
<input type="checkbox"/>	GSA-MCRR	Polarity Reversal Relay UIO (Plug-in) Module	Data Sheet K85001-0239

Synchronization Output Module

The Synchronization Output Module is an analog addressable device that connects a supervised output circuit to a 24 Vdc riser. The output wiring is monitored for open circuits and short circuits. A short circuit will cause the fire alarm control panel to inhibit the activation of the audible/visual signal circuit so the riser is not connected to the wiring fault. Upon command from the loop controller, the Auto-Sync Output Module connects the output circuit to the riser input.



<input type="checkbox"/>	GSA-CC1S	Synchronization Output Module (One-gang standard mount)	Data Sheet K85001-0543
<input type="checkbox"/>	GSA-MCC1S	Synchronization Output UIO (Plug-in) Module	Data Sheet K85001-0543

Input/Output Module

The Input/Output Module is an intelligent device that provides

- Output with monitor input
- Input/programmable output
- Input/direct output

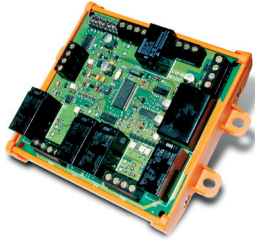


<input type="checkbox"/>	GSA-IO	Input/Output Module (One-gang standard mount)	Data Sheet K85001-0533
<input type="checkbox"/>	GSA-MIO	Input/Output UIO (Plug-in) Module	Data Sheet K85001-0533

SUBMIT



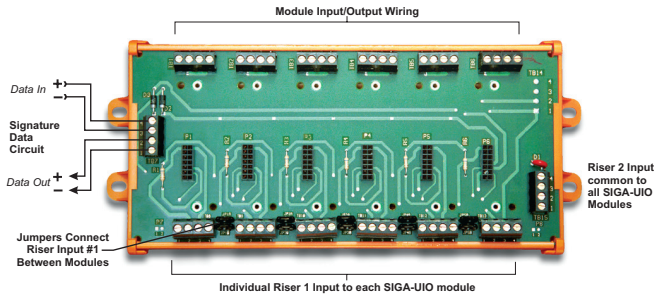
Releasing Module



The GSA-REL Releasing Module is an analog addressable module that works with fire suppression systems designed to release extinguishing gas such as Halon. Its primary function is the control of sprinkler pre-action routines and the initiation of suppression system deluge functions. The module is easily configured in the field and offers a wide range of options that prevent the unnecessary release of extinguishing agent. Available releasing module accessories include dedicated pull stations, abort switches and service switches. Together with the GSA-REL, they comprise a complete fire suppression package.

GSA-REL	Analog addressable releasing module	Data Sheet K85001-0531	<input type="checkbox"/>
RELA-ABT	Abort station	Data Sheet K85001-0531	<input type="checkbox"/>
RELA-SRV-1	Service disconnect station	Data Sheet K85001-0531	<input type="checkbox"/>
276A-REL	Manual releasing station (single-action)	Data Sheet K85001-0531	<input type="checkbox"/>
278A-REL	Manual releasing station (double-action)	Data Sheet K85001-0531	<input type="checkbox"/>
RELA-EOL	Polarized end-of-line relay	Data Sheet K85001-0531	<input type="checkbox"/>

Universal Input/Output (UIO) Motherboards



Universal Input/Output Module Motherboards provide mounting and wiring terminations for up to six plug-in UIO (GSA-“M” series) modules. UIO motherboards snap into a rigid extruded track (included) with mounting pads for convenient mounting into a variety of equipment enclosures. UIO modules plug into the board and are held securely in place with captive machine screws. All field wiring connects to terminal blocks on the motherboard, which permits rapid removal and replacement of modules for troubleshooting.

The GSA-UIO2R provides mounting and wiring terminations for up to two UIO modules, and the GSA-UIO6R provides mounting and wiring terminations for up to six UIO modules. Both motherboards feature a riser #1 input and a riser #2 input bus. Jumpers on riser #1 input (between modules), facilitate sharing a single riser among more than one module. This significantly reduces wiring requirements. Removing the jumpers provides separate riser inputs to each adjacent module. Riser #2 input is fixed to each module position and cannot be split. UIO motherboards mount inside the MFC-A cabinet or other suitable UL-listed electrical enclosure. Each MFC-A will hold one UIO2R motherboard or one UIO6 or UIO6R motherboard complete with their full complement of modules.

GSA-UIO2R	Universal Input/Output Module Board with Riser Inputs — 2 Module Positions	Data Sheet K85001-0365	<input type="checkbox"/>
GSA-UIO6R	Universal Input/Output Module Board with Riser Inputs — 6 Module Positions	Data Sheet K85001-0365	<input type="checkbox"/>
GSA-UIO6	Universal Input/Output Module Board — 6 Module Positions	Data Sheet K85001-0365	<input type="checkbox"/>

Related Equipment



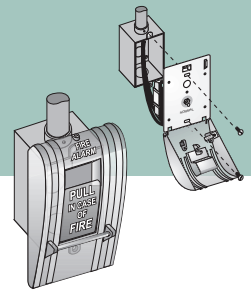
MFC-A	Multi-function Cabinet (for UIO and Releasing modules)	<input type="checkbox"/>
27193-11	Surface Mount Box - Red, One-gang	<input type="checkbox"/>
27193-16	Surface Mount Box - White, One-gang	<input type="checkbox"/>
27193-21	Surface Mount Box - Red, Two-gang	<input type="checkbox"/>
27193-26	Surface Mount Box - White, Two-gang	<input type="checkbox"/>
235196P	Bi-polar Transient Protector (needed on modules with electromechanical devices)	<input type="checkbox"/>
GSA-MP1	Module Mounting Plate, 1 footprint	<input type="checkbox"/>
GSA-MP2	Module Mounting Plate, 1/2 footprint	<input type="checkbox"/>
GSA-MP2L	Module Mounting Plate, 1/2 extended footprint	<input type="checkbox"/>

Initiating Devices

Notification Appliances

Hazardous Location Devices

Door Holders & Relays



SUBMIT



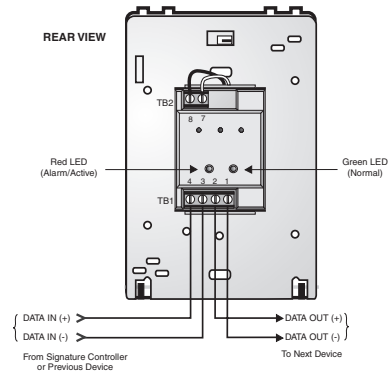
Addressable initiating

Manual Pull Stations



Single Action Pull Stations

GSA-M270 series manual pull stations are made from die-cast zinc and finished with red epoxy powder-coat paint. With positive pull-lever operation, one pull on the station handle breaks the rod and turns in a positive alarm. Where two-stage operation is required, GSA-M270P pre-signal models are equipped with a general alarm (GA) keyswitch.

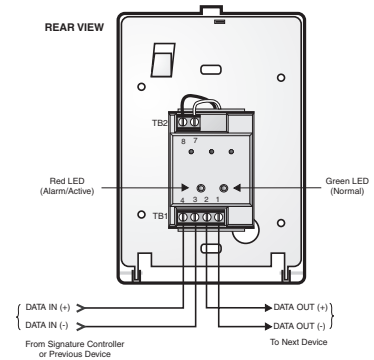


<input type="checkbox"/>	GSA-M270	One Stage Fire Alarm Station, English Markings	Data Sheet K85001-0279
<input type="checkbox"/>	GSA-M270P	Two Stage (Pre-signal) Fire Alarm Station, English Markings	Data Sheet K85001-0279
<input type="checkbox"/>	276-K2	GA Key — for pre-signal station	Data Sheet K85001-0279
<input type="checkbox"/>	270-GLR	20 Break-rods — for GSA-M270 series	Data Sheet K85001-0279
<input type="checkbox"/>	276B-RSB	Surface Mount Box, Red — for GSA-M270 series	Data Sheet K85001-0279



Double Action Pull Stations

The double action, single stage GSA-M278 station is a contemporary style manual station made from durable red LEXAN. To initiate an alarm, first lift the upper door, then pull the alarm handle.



<input type="checkbox"/>	GSA-M278	Double Action (One Stage) Fire Alarm Station, English Markings	Data Sheet K85001-0279
<input type="checkbox"/>	276B-RSB	Surface Mount Box, Red — for GSA-M278 series	Data Sheet K85001-0279
<input type="checkbox"/>	276-GLR	20 Break-rods — for GSA-M278 series	Data Sheet K85001-0279

Manual Station Relocator

The Manual Station Relocator is designed to lower the height of a fire alarm pull station to meet ADA requirements. Most existing pull stations are mounted 60 inches (1524mm) or higher above the floor. The Relocator lowers the height to 48 inches (1220mm) without the need for pulling new wires or moving the existing electrical box.

<input type="checkbox"/>	RR-32RL	Pull Station Relocator	Data Sheet K85001-0351
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Stopper II

This unique device helps prevent false alarms without restricting legitimate ones. It consists of a tamper-proof clear LEXAN polycarbonate shield and frame that fits easily over manual pull stations. When lifted, it sounds a piercing warning horn.

<input type="checkbox"/>	<input type="checkbox"/> STI-1100 (Flush)	<input type="checkbox"/> STI-1130 (Surface)	Stopper II with Horn	Data Sheet K85001-0491
<input type="checkbox"/>	<input type="checkbox"/> STI-1200 (Flush)	<input type="checkbox"/> STI-1230 (Surface)	Stopper II without Horn	Data Sheet K85001-0491
<input type="checkbox"/>	<input type="checkbox"/> STI-3100 (2" Spacer)	<input type="checkbox"/> STI-3004 (Conduit Insert)	Spacers	Data Sheet K85001-0491
<input type="checkbox"/>	<input type="checkbox"/> STI-3002 (Gasket)	<input type="checkbox"/> STI-3003 (Conduit Gasket)	Weatherproofing	Data Sheet K85001-0491

Genesis Visual & Audible Signals

A complete line engineered to deliver innovative features and superb output.



LED Compact Strobes, Horns, Horn-Strobes, p. 25



LED Ceiling Strobes, Horns, Horn-Strobes p. 26



Low Frequency Horns and Horn-Strobes, p. 27



Outdoor Horns, Horn-Strobes, p. 28



Wall Speakers and Speaker-strobes, p. 29



Ceiling Speakers, Speaker-strobes, p. 30



Outdoor Speakers, Speaker-Strobes, p. 31

The award-winning Genesis line of products represents excellence in fire alarm notification with looks, features, and performance benefits designed with your project in mind. Wall strobes, horns, and chimes about the size of a deck of playing cards offer a discreet alternative to bulky devices, while speakers and ceiling models with clean modern lines blend inconspicuously with their surroundings.

Signaling on-demand

Though designed for discretion, Genesis signals are also engineered to command attention. Wall-penetrating high dB output and patented strobe technology immerse the protected area with levels of light and sound that simply can't be ignored – all in exchange for the lowest current demands of any device in their class.

Genesis brings on-demand signaling to every application with an unparalleled range of field-configurable options: horns and chimes with high/low dB output settings; speakers with multiple wattage tap selections; and strobes with selectable candela output and flash rate – options that put you in the driver's seat when time is short, budgets slim, and manpower at a premium. It also means fewer parts to stock, less inventory to worry about, and the flexibility to meet changing demands – on the fly – without having to reinstall equipment or order more parts!

Application flexibility

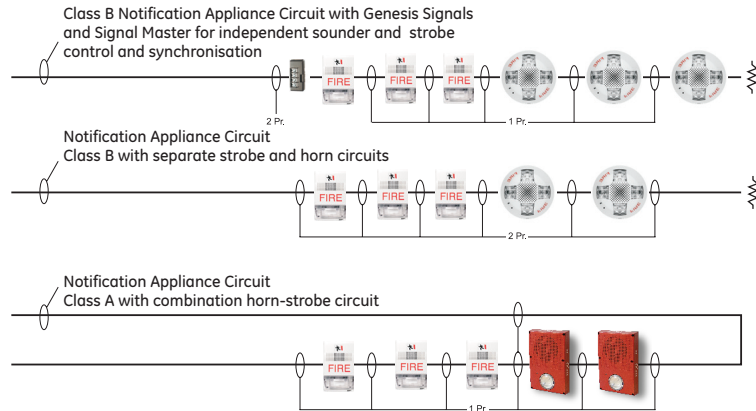
Whether you're designing for a new landmark structure, or simply retrofitting a local strip mall, competitively-priced Genesis signals bring value, good looks, and installation flexibility to every application. Contact Kidde today to learn how your signal solutions can be the model of discretion.

Notification Appliances

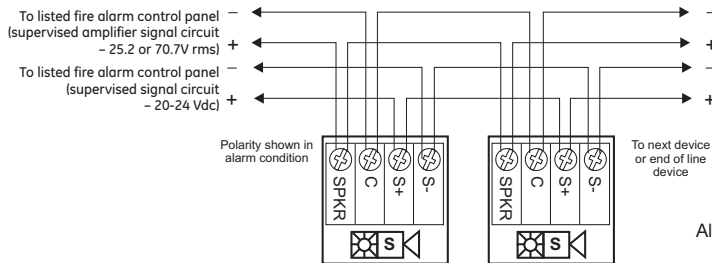
Kidde notification appliances are high-performance devices finely tuned to deliver maximum output in exchange for the lowest possible current draw. Covering the entire spectrum of life safety applications, these devices are durable, dependable, and virtually maintenance-free. And they support a wide range of mounting options that make them ideal for new construction and retrofit applications alike.

Field Wiring

Notification appliances may be configured for Class A or Class B wiring. Genesis combination horn-strobes, when used with the innovative Signal Master Module, support independent horn control over a single pair of wires and precision synchronization that exceeds UL requirements. This reduces wiring time while meeting the requirements of even the most demanding application.



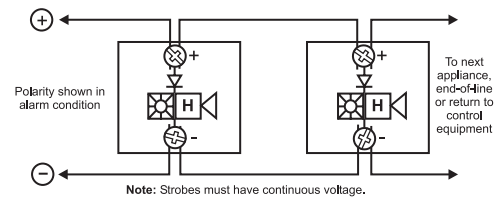
Device Wiring, Speaker-strobes



Strobe Synchronization

On a common circuit, strobes flash once per second (1 fps) within 10 milliseconds over a two-hour time period. A synchronization source is required to comply with UL 1971 synchronization standards. Temporal setting (private mode only): synchronized to temporal output on the same circuit. Genesis LED strobes are synchronized, backwards compatible, and can be used in the same field of view as Genesis Xenon strobes.

Device Wiring, Horn-strobes



All appliances feature #18 - #12 AWG terminals
- ideal for long runs, existing wiring

Synchronization Sources

The following control panels, power supplies, and modules provide synchronization sources that enable Genesis strobe devices to comply with UL 1971 synchronization standards: GSA-CC1S, GSA-MCC1S, SIGA-CC2A, GSA-MCC2A, MG1M-RM, MIRMIRBPS6A, MIRMIRBPS10A, APS6A, APS10A, VM Series, VS1, VS2, VS1, VS2, VM, E-FSA64, E-FSA250, Fireshield Plus.

- LED Compact Strobes, Horns & Horn-Strobes p. 25
- LED Ceiling Strobes, Horns, Horn-Strobes p. 26
- Low Frequency Horns and Horn-Strobes p. 27
- Weatherproof Horns & Strobes p. 28
- Wall Speakers & Speaker-Strobes p. 29
- Ceiling Speakers, Horns & Strobes p. 30
- Weatherproof Speakers & Strobes p. 31
- Firefighters' Telephones p. 32
- Harsh Environment Signals p. 33
- Audible Signals p. 34
- Accessories p. 35

Genesis LED Series Compact Wall Models

LED Strobes, Horns & Horn-Strobes

Genesis LED EG1 Series horns and LED strobes feature a sleek, low-profile design and energy-efficient technology that makes them less expensive to install and operate by reducing overhead. High-performance LEDs and patented electronics allow for more devices per loop and fewer booster power supplies.



SUBMIT



Genesis strobes offer 15 to 75 candela output, which is selectable with a conveniently located switch on the side of the device. The current is only 24mA VDC and 32mA VFWR for all light output settings. The candela output setting remains clearly visible even after final installation, yet it stays locked in place to prevent unauthorized tampering. (Data Sheet K85001-0667)

White housing ↓ no marking	White housing ↓ with "FIRE"	Red housing ↓ no marking	Red housing ↓ with "FIRE"
<input type="checkbox"/> EG1VWN	<input type="checkbox"/> EG1VWF	<input type="checkbox"/> EG1VRN	<input type="checkbox"/> EG1VRF

Genesis Horns reach output levels as high as 92 dB and feature a unique multiple-frequency tone that results in excellent wall penetration and an unmistakable warning of danger. Horns may be configured for either constant or temporal 3 output and high or low dB output with a conveniently located switch under the cover. No more cutting jumpers. Horns operate at 13mA VDC and 15mA VFWR on Low dB output and 23mA VDC and 29mA VFWR on High dB output. (Data Sheet K85001-0667)

White housing ↓ no marking	White housing ↓ with "FIRE"	Red housing ↓ no marking	Red housing ↓ with "FIRE"
<input type="checkbox"/> EG1AWN	<input type="checkbox"/> EG1AWF	<input type="checkbox"/> EG1ARN	<input type="checkbox"/> EG1ARF

Genesis Horn-strobes provide a low-profile design with horn output reaching as high as 92 dBA and as low as 80 dBA and have strobes that offer 15 to 75 candela output. Both the horn and strobe can be field configured with a switch, which is conveniently located on the side of the device. The candela output setting remains clearly visible even after final installation, yet it stays locked in place to prevent unauthorized tampering. Horns may be configured for either constant or temporal 3 output and high or low dB output. Horn-Strobes operate at 35mA VDC and 43mA VFWR on Low dB output and 45mA VDC and 55mA VFWR on High dB output for all light output settings. (Data Sheet K85001-0667)

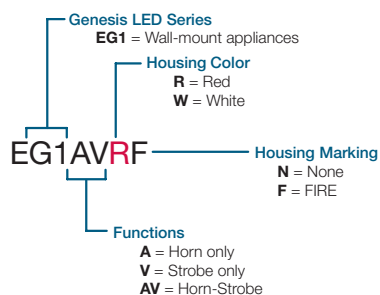
White housing ↓ no marking	White housing ↓ with "FIRE"	Red housing ↓ no marking	Red housing ↓ with "FIRE"
<input type="checkbox"/> EG1AVWN	<input type="checkbox"/> EG1AVWF	<input type="checkbox"/> EG1AVRN	<input type="checkbox"/> EG1AVRF

Trim plates for wall horns, horn-strobes, and strobes are ideal for covering openings left behind during retrofits.

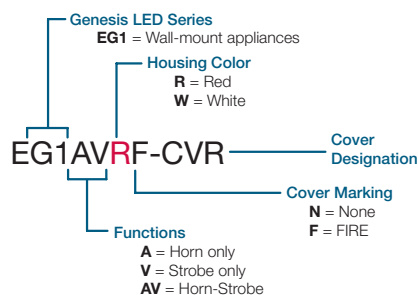
White plate ↓ no marking	Red plate ↓ no marking	Trim Plates
<input type="checkbox"/> EG1TW	<input type="checkbox"/> EG1TR	Trim plate for 2-gang or 4" boxes

Replacement covers are available for all models. When ordering add -CVR to the model number.

Model Number Syntax, Appliances



Model Number Syntax, Replacement Covers



Notification Appliances

Hazardous Location Devices

Door Holders & Relays

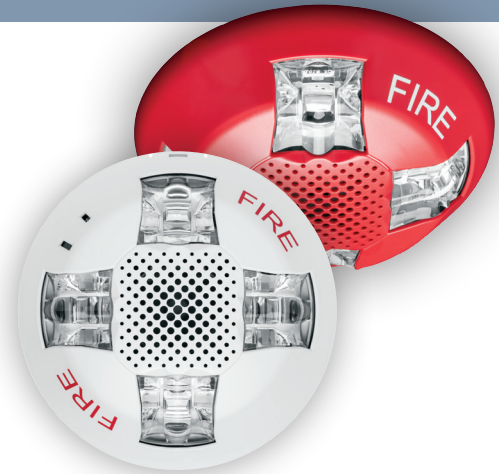
SUBMIT



Genesis LED Series Ceiling Models

LED Strobes, Horns & Horn-Strobes

Genesis LED EGC Series horns and LED strobes feature a sleek, low-profile design and energy-efficient technology that makes them less expensive to install and operate by reducing overhead. High-performance LEDs and patented electronics allow for more devices per loop and fewer booster power supplies. Genesis LED EGC devices mount to the required room side wiring plate for installation. The GP10 mounting plate is included with the EGC device for convenient pre-installing and pre-wiring.



Genesis strobes offer 15 to 115 candela output, which is selectable with a conveniently located switch on the side of the device. The current is only 35mA VDC and 45mA VFWR for all light output settings. The candela output setting remains clearly visible even after final installation, yet it stays locked in place to prevent unauthorized tampering. (Data Sheet K85001-1021)

White housing ↓ no marking	White housing ↓ with "FIRE"	Red housing ↓ no marking	Red housing ↓ with "FIRE"
<input type="checkbox"/> EGCVWN	<input type="checkbox"/> EGCVWF	<input type="checkbox"/> EGCVRN	<input type="checkbox"/> EGCVRF



Genesis Horns reach output levels as high as 92 dB and feature a unique multiple-frequency tone that results in excellent wall penetration and an unmistakable warning of danger. Horns may be configured for either constant or temporal 3 output and high or low dB output with a conveniently located switch under the cover. No more cutting jumpers. Horns operate at 20mA VDC and 25mA VFWR on Low dB output and 30mA VDC and 40mA VFWR on High dB output. (Data Sheet K85001-1021)

White housing ↓ with "FIRE"	Red housing ↓ with "FIRE"
<input type="checkbox"/> EGCAWF	<input type="checkbox"/> EGCARF



Genesis Horn-strobes provide a low-profile design with horn output reaching as high as 92 dBA and as low as 80 dBA and have strobes that offer 15 to 115 candela output. Both the horn and strobe can be field configured with a switch, which is conveniently located on the side of the device. The candela output setting remains clearly visible even after final installation, yet it stays locked in place to prevent unauthorized tampering. Horns may be configured for either constant or temporal 3 output and high or low dB output. Horn-Strobes operate at 50mA VDC and 60mA VFWR on Low dB output and 60mA VDC and 75mA VFWR on High dB output for all light output settings. (Data Sheet K85001-1021)

White housing ↓ no marking	White housing ↓ with "FIRE"	Red housing ↓ with "FIRE"	Red housing ↓ with "FIRE"
<input type="checkbox"/> EGCAVWN	<input type="checkbox"/> EGCAVWF	<input type="checkbox"/> EGCAVRN	<input type="checkbox"/> EGCAVRF



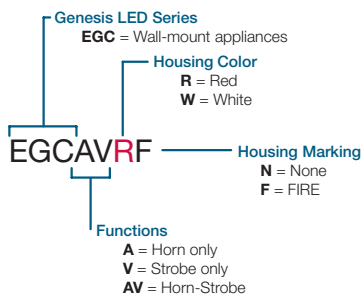
Accessories including required room side wiring plate and trim plates ideal for openings left behind during retrofits.

White plate ↓	Red plate ↓	Room Side Wiring Plate (Included)
<input type="checkbox"/> EGCTW	<input type="checkbox"/> EGCTR	



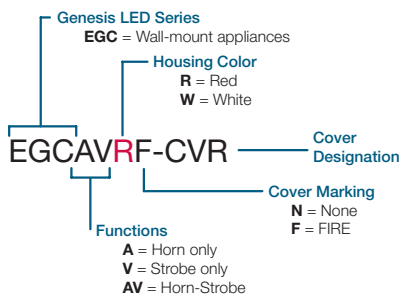
Replacement covers are available for all models. When ordering add -CVR to the model number.

Model Number Syntax, Appliances



Note: GC devices are designed for ceiling applications but are UL listed to be wall or ceiling mounted.

Model Number Syntax, Replacement Covers



Genesis G4LF Series Wall Models

Low Frequency (520 Hz) Horns and Horn-Strobes

G4LF Series notification appliances provide the benefits of Genesis life safety signals with output suitable for sleeping areas and other applications requiring low frequency audible tones. These high-performance appliances generate a crisp 520 Hz tone in the standard 3-3 temporal pattern. An optional setting configures the appliance for continuous audible output — a critical feature for notification appliance circuits that are coded with a CDR-3 coder module. All G4LF appliances feature field-configurable high and low dB output settings. Horn-Strobe models feature field-selectable 15, 30, 75 or 110 cd output settings.



SUBMIT



G4LFWN-HVM	Horn-Strobe, 520 Hz, White Housing, No Marking, 15/30/75/110 cd	Data Sheet K85001-0639	<input type="checkbox"/>
G4LFWF-HVM	Horn-Strobe, 520 Hz, White Housing, FIRE Marking, 15/30/75/110 cd	Data Sheet K85001-0639	<input type="checkbox"/>
G4LFRN-HVM	Horn-Strobe, 520 Hz, Red Housing, No Marking, 15/30/75/110 cd	Data Sheet K85001-0639	<input type="checkbox"/>
G4LFRF-HVM	Horn-Strobe, 520 Hz, Red Housing, FIRE Marking, 15/30/75/110 cd	Data Sheet K85001-0639	<input type="checkbox"/>
G4LFWN-H	Horn, 520 Hz, White Housing, No Marking	Data Sheet K85001-0639	<input type="checkbox"/>
G4LFWF-H	Horn, 520 Hz, White Housing, FIRE Marking	Data Sheet K85001-0639	<input type="checkbox"/>
G4LFRN-H	Horn, 520 Hz, Red Housing, No Marking	Data Sheet K85001-0639	<input type="checkbox"/>
G4LFRF-H	Horn, 520 Hz, Red Housing, FIRE Marking	Data Sheet K85001-0639	<input type="checkbox"/>



SUBMIT



Genesis WG4 Series Wall Models

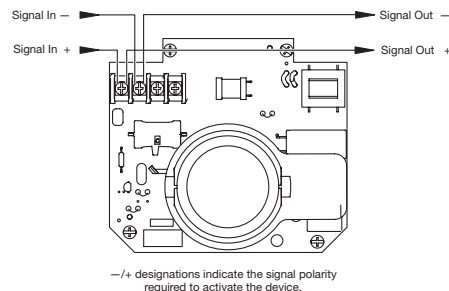
Weatherproof Horns and Horn-Strobes

Genesis WG4 Series horns and horn-strobes are among the most versatile emergency signals of their kind. Rated for indoor or outdoor use, they are suitable for a wide range of wet and harsh environments with a listed operating temperature range of as low as -31°F to as high as 151°F (-35°C to 66°C).

Refer to Data Sheet FX85001-0628 -- Genesis Outdoor Horns and Strobes for details.

Field Configuration

Genesis WG4 strobes feature four selectable light output settings. Cd selections are changed by removing the cover and simply sliding the switches to the desired setting, which remains visible through a small window on the front of the device after the cover is replaced. Genesis Horn-strobes may also be configured for high or low dB output and temporal flash. This battery-saving feature is intended for private mode signaling only.



	White housing ↓ no marking	White housing ↓ with "FIRE"	Red housing ↓ no marking	Red housing ↓ with "FIRE"	Outdoor Fire Alarm Appliances
<input type="checkbox"/>	<input type="checkbox"/> WG4WN-H	<input type="checkbox"/> WG4WF-H	<input type="checkbox"/> WG4RN-H	<input type="checkbox"/> WG4RF-H	Horn Only
<input type="checkbox"/>	<input type="checkbox"/> WG4WN-HVMC	<input type="checkbox"/> WG4WF-HVMC	<input type="checkbox"/> WG4RN-HVMC	<input type="checkbox"/> WG4RF-HVMC	Horn-Strobe, standard cd output
<input type="checkbox"/>	<input type="checkbox"/> WG4WN-HVMHC	<input type="checkbox"/> WG4WF-HVMHC	<input type="checkbox"/> WG4RN-HVMHC	<input type="checkbox"/> WG4RF-HVMHC	Horn Only, high cd output

WG4 Mounting Accessories

<input type="checkbox"/>	<input type="checkbox"/> WG4WTS (white)	<input type="checkbox"/> WG4RTS (red)	Surface Skirt for Genesis WG4 Appliances
<input type="checkbox"/>	<input type="checkbox"/> 74347U (red)	<input type="checkbox"/> 449 (white)	Surface mount box, outdoor rated
<input type="checkbox"/>	<input type="checkbox"/> WG4GSKT		Genesis WG4 Full Body Mounting Gasket for Smooth Surfaces

Genesis G4 Series Wall Models

Speakers and Speaker-strobes

Genesis speakers combine high performance output with a low profile design to deliver a life safety audio solution that's as versatile as it is effective. Protruding no more than one inch from the wall, these appliances blend inconspicuously with any decor. All speakers feature selectable ¼, ½, 1, or 2 watt operation.

Speaker-strobes feature field-configurable candela output, selectable with a conveniently-located switch on the bottom of the device.

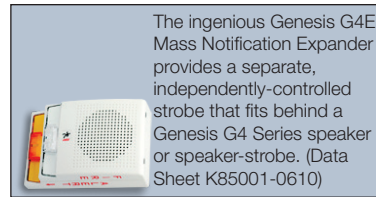
Genesis high fidelity Speakers are can generate UL compliant low frequency signals now required for sleeping areas!

High fidelity speakers and speaker-strobes meet new standards for audible tones in sleeping areas and produce crisp, clear voice audio output that is highly intelligible over large areas. (Data Sheet K85001-0642)

Genesis high fidelity Speakers are also UL compliant low frequency signals for sleeping areas!



Candela and wattage settings remain clearly visible even after final installation.



The ingenious Genesis G4E Mass Notification Expander provides a separate, independently-controlled strobe that fits behind a Genesis G4 Series speaker or speaker-strobe. (Data Sheet K85001-0610)

SUBMIT



White housing ↓ no marking	White housing ↓ with "FIRE"	Red housing ↓ no marking	Red housing ↓ with "FIRE"	Fire Alarm Speakers (no "Running Man" icon)
<input type="checkbox"/> G4HFN-S2	<input type="checkbox"/> G4HFWF-S2	<input type="checkbox"/> G4HFRN-S2	<input type="checkbox"/> G4HFRF-S2	25 V Speaker
<input type="checkbox"/> G4HFN-S7	<input type="checkbox"/> G4HFWF-S7	<input type="checkbox"/> G4HFRN-S7	<input type="checkbox"/> G4HFRF-S7	70 V Speaker
<input type="checkbox"/> G4HFN-S2VM	<input type="checkbox"/> G4HFWF-S2VM	<input type="checkbox"/> G4HFRN-S2VM	<input type="checkbox"/> G4HFRF-S2VM	25 V Speaker-strobe (15/30/75/110 cd settings)
<input type="checkbox"/> G4HFN-S7VM	<input type="checkbox"/> G4HFWF-S7VM	<input type="checkbox"/> G4HFRN-S7VM	<input type="checkbox"/> G4HFRF-S7VM	70 V Speaker-strobe (15/30/75/110 cd settings)

High fidelity mass notification speakers and speaker-strobes feature optional amber lenses and "ALERT" lettering on white housings, and meet new standards for audible tones in sleeping areas. (Data Sheet K85001-0642)

Clear lens ↓ "ALERT"	Amber lens ↓ no marking	Amber lens ↓ "ALERT"	High Fidelity Mass Notification Speakers – white housing, no "Running Man icon"
<input type="checkbox"/> G4HFWA-S2VMC	<input type="checkbox"/> G4HFWN-S2VMA	<input type="checkbox"/> G4HFWA-S2VMA	25 V Speaker-strobe (A/B/C/D cd settings)
<input type="checkbox"/> G4HFWA-S7VMC	<input type="checkbox"/> G4HFWN-S7VMA	<input type="checkbox"/> G4HFWA-S7VMA	70 V Speaker-strobe (A/B/C/D cd settings)
Speaker only models:	<input type="checkbox"/> G4HFWA-S2 (25 V, "ALERT" marking)	<input type="checkbox"/> G4HFWA-S7 (70 V, "ALERT" marking)	

Notification Appliances

Hazardous Location Devices

Door Holders & Relays

SUBMIT



Genesis GC Series Ceiling Models

Speakers and Speaker-Strobes

The Genesis line of multi-candela and multi-wattage ceiling signals feature all the hallmarks that have made Genesis products a big hit with designers, engineers, building owners, and installers everywhere. Precision timing electronics, and low current draw bring the benefits of the popular Genesis wall-mount models to ceiling applications. These signals are 30 percent slimmer than comparable signals on the market. They are compatible with standard 4-inch (10 cm) square electrical boxes and don't require extension rings or trim plates.

Genesis high fidelity Speakers are also UL compliant low frequency signals for sleeping areas!



Select 15/30/75/95 and 95/115/150/177 candela output!

177

Select ¼, ½, 1, or 2 watt operation!

2

Data Sheet K85001-0641

High Fidelity Fire Alarm Speakers and Speaker-Strobes

	White housing ↓ no marking	White housing ↓ with "FIRE"	Red housing ↓ no marking	Red housing ↓ with "FIRE"	All fire alarm appliances come with the "Running Man" Icon
<input type="checkbox"/>	<input type="checkbox"/> GCHFVN-S2VMC	<input type="checkbox"/> GCHFVF-S2VMC	<input type="checkbox"/> GCHFRN-S2VMC	<input type="checkbox"/> GCHFRF-S2VMC	25 V Spkr + 15/30/75/110 cd strobe
<input type="checkbox"/>	<input type="checkbox"/> GCHFVN-S2VMCH	<input type="checkbox"/> GCHFVF-S2VMCH	<input type="checkbox"/> GCHFRN-S2VMCH	<input type="checkbox"/> GCHFRF-S2VMCH	25 V Spkr + 95/115/150/177 cd strobe
<input type="checkbox"/>	<input type="checkbox"/> GCHFVN-S7VMC	<input type="checkbox"/> GCHFVF-S7VMC	<input type="checkbox"/> GCHFRN-S7VMC	<input type="checkbox"/> GCHFRF-S7VMC	70 V Spkr + 15/30/75/110 cd strobe
<input type="checkbox"/>	<input type="checkbox"/> GCHFVN-S7VMCH	<input type="checkbox"/> GCHFVF-S7VMCH	<input type="checkbox"/> GCHFRN-S7VMCH	<input type="checkbox"/> GCHFRF-S7VMCH	70 V Spkr + 95/115/150/177 cd strobe
<input type="checkbox"/>	<input type="checkbox"/> GCHFVN-S2	<input type="checkbox"/> GCHFVF-S2	<input type="checkbox"/> GCHFRN-S2	<input type="checkbox"/> GCHFRF-S2	Speaker-only models, 25 V
<input type="checkbox"/>	<input type="checkbox"/> GCHFVN-S7	<input type="checkbox"/> GCHFVF-S7	<input type="checkbox"/> GCHFRN-S7	<input type="checkbox"/> GCHFRF-S7	Speaker-only models, 70 V

High Fidelity Mass Notification Speakers and Speaker-strobes

	Clear lens ↓ with "ALERT"	Amber lens ↓ no marking	Amber lens ↓ with "ALERT"	White housings No "Running Man" Icon
<input type="checkbox"/>	<input type="checkbox"/> GCHFVA-S2VMC	<input type="checkbox"/> GCHFVN-S2VMA	<input type="checkbox"/> GCHFVA-S2VMA	25 V Speaker, four standard cd settings
<input type="checkbox"/>	<input type="checkbox"/> GCHFVA-S2VMCH	<input type="checkbox"/> GCHFVN-S2VMAH	<input type="checkbox"/> GCHFVA-S2VMAH	25 V Speaker, four high cd settings
<input type="checkbox"/>	<input type="checkbox"/> GCHFVA-S7VMC	<input type="checkbox"/> GCHFVN-S7VMA	<input type="checkbox"/> GCHFVA-S7VMA	70 V Speaker, four standard cd settings
<input type="checkbox"/>	<input type="checkbox"/> GCHFVA-S7VMCH	<input type="checkbox"/> GCHFVN-S7VMAH	<input type="checkbox"/> GCHFVA-S7VMAH	70 V Speaker, four high cd settings
<input type="checkbox"/>	<input type="checkbox"/> GCHFVA-S2 (25 V, "ALERT" marking)		<input type="checkbox"/> GCHFVA-S7 (70 V, "ALERT" marking)	Speaker-only models

VM Series Head End

Initiating Devices

Notification Appliances

Genesis WG4 Series Wall Models

Weatherproof Speakers and Speaker-Strobes

Genesis WG4 Series speakers and speaker-strobes are among the most versatile emergency signals of their kind. Rated for indoor or outdoor use, they are suitable for a wide range of wet and harsh environments with a listed operating temperature range of as low as -31°F to as high as 151°F (-35°C to 66°C).

Refer to Data Sheet K85001-0626 -- Genesis Outdoor Speakers and Strobes for details.

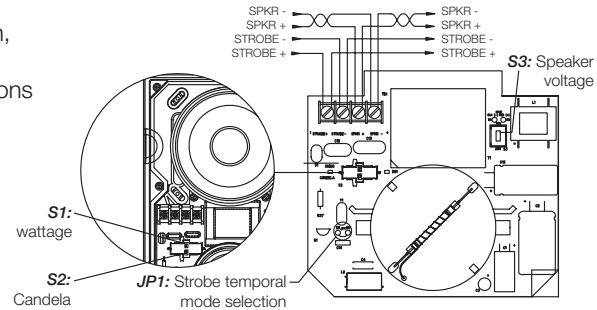


SUBMIT



Field Configuration

Genesis WG4 speakers may be set 70- or 25-Volt operation, and for ¼, ½, 1, or 2 watt operation. Strobe models feature four selectable light output settings. Wattage and cd selections are changed by removing the cover and simply sliding the switches to the desired settings, which remain visible through a small window on the front of the device after the cover is replaced. Genesis speaker-strobes may also be configured for temporal flash. This battery-saving feature is intended for private mode signaling only. To set the device for temporal flash, snip the jumper at JP1.



White housing ↓ no marking	White housing ↓ with "FIRE"	Red housing ↓ no marking	Red housing ↓ with "FIRE"	Fire Alarm Speakers
<input type="checkbox"/> WG4WN-S	<input type="checkbox"/> WG4WF-S	<input type="checkbox"/> WG4RN-S	<input type="checkbox"/> WG4RF-S	25/70 V Speaker
<input type="checkbox"/> WG4WN-SVMC	<input type="checkbox"/> WG4WF-SVMC	<input type="checkbox"/> WG4RN-SVMC	<input type="checkbox"/> WG4RF-SVMC	25/70 V Speaker-strobe (15/29/70/87 cd)
	<input type="checkbox"/> WG4WF-SVMHC	<input type="checkbox"/> WG4RN-SVMHC	<input type="checkbox"/> WG4RF-SVMHC	25/70 V Speaker-strobe (102/123/147/161 cd)

Genesis mass notification speakers and speaker-strobes bring the same high-performance fire alarm features and unobtrusive design to mass notification applications. Available with amber lenses and optional "ALERT" lettering, they are ideal for applications that require differentiation between fire alarm and mass notification alerts.

White housing ↓ no marking	White housing ↓ "ALERT"	Mass Notification Speakers — white housing, no "Running Man" icon
<input type="checkbox"/> WG4WN-SVMA	<input type="checkbox"/> WG4WA-SVMA	25/70 V Speaker-strobe, amber lens (13/25/5962 cd output)
<input type="checkbox"/> WG4WN-SVMHA	<input type="checkbox"/> WG4WA-SVMHA	25/70 V Speaker-strobe, amber lens (84/101/125/130 cd output)
	<input type="checkbox"/> WG4WA-SVMC	25/70 V Speaker-strobe, clear lens (15/29/70/87 cd output)
<input type="checkbox"/> WG4WN-SVMHC	<input type="checkbox"/> WG4WA-SVMHC	25/70 V Speaker-strobe, clear lens (102/123/147/161 cd output)
	<input type="checkbox"/> WG4WA-S	25/70 V Speaker

Trim skirts

<input type="checkbox"/> WG4WTS (white)	<input type="checkbox"/> WG4RTS (red)	Surface Skirt for Genesis WG4 appliance family.
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SUBMIT



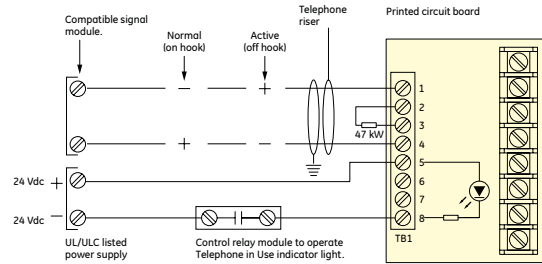
Firefighters' Telephones

Firefighters' telephones are typically installed in corridors, lobbies, mechanical rooms, stairways, or other strategic locations. When lifted from its cradle, or plugged into a suitable wall jack, the handset activates audible and visible signals at the VM control panel.

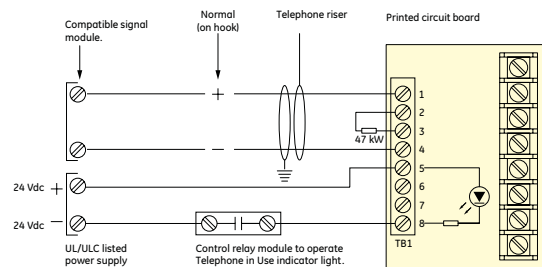
Kidde fire alarm telephones are rugged communications devices for emergency use. Enclosed keylocked telephone stations comprise three separately ordered components: the handset assembly, the frontplate, and the wallbox. Depending on how the phones are wired, they are supervised for three or four state operation. Frontplates are available with either metal or break glass inserts.

MEA approved warden stations feature doors with magnetic latches and one-state handsets with armored cords. Warden stations mount to 6832-1 wallboxes. Portable handsets plug into one-gang receptacles. Handsets are available in black or red. The TCS-6 cabinet provides storage for up to six handsets.

Four-state operation



Three-state operation



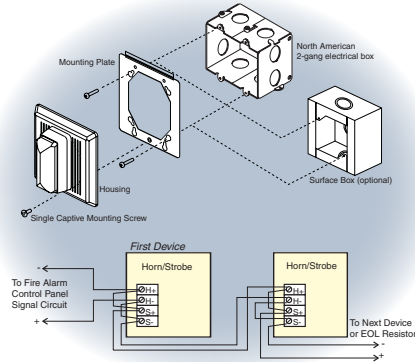
Firefighters' Telephones

6830-NY-F4	Four-state Remote Telephone Warden Station - Flush. Armored armored cord.
6830-NY-S4	Four-state Remote Telephone Warden Station - Surface. Armored armored cord.
6830-5A-4	Four-state Telephone Handset Assembly - Red, 60" (1500mm) Coiled Cord, Push-to-talk button.
6830-6A-4	Four-state Telephone Handset Assembly - Red, 60" (1500mm) Armored Cord, Push-to-talk button.
6830-4	Four-state Telephone Handset Assembly - Red, 60" (1500mm) Coiled Cord.
6830-5A-4	Three-state Telephone Handset Assembly - Red, 60" (1500mm) Coiled Cord, Push-to-talk button.
6830-6A-4	Three-state Telephone Handset Assembly - Red, 60" (1500mm) Armored Cord, Push-to-talk button.
6833-4	Four-state Portable Telephone Handset Receptacle, 1-gang Stainless-steel Faceplate.
6830-3	Portable Telephone Handset - Black c/w 60" (1500mm) Coiled Cord.
6700-0061	Portable Telephone Handset - Red c/w 60" (1500mm) Coiled Cord.
6831-1	Frontplate - Flush Mount, Red Finish, Break Glass Type c/w 2 keys.
6831-2	Frontplate - Flush Mount, Red Finish, Non-Break Glass Type c/w 2 keys.
6831-3	Frontplate - Surface Mount Red Finish, Break Glass Type c/w 2 keys.
6831-4	Frontplate - Surface Mounting Red Finish, Non-Break Glass Type c/w 2 keys.
6832-1	Wallbox - Flush or Surface mount, Red finish. 14" (356mm) H x 8-1/2" (216mm) W x 3 1/2" (89mm) D.
TCS-6	Portable handset storage cabinet. Surface mount c/w keylock. Red finish with white lettering.

Enhanced Integrity Series

Harsh Environment Signals

All Enhanced Integrity devices are UL 1971 listed for both wall and ceiling orientation. Enhanced Integrity strobes meet the latest UL1971 synchronization requirements when used with Genesis sync sources. Integrity devices are shipped with wall mount style "FIRE" lens markings. Other lens markings are available.



SUBMIT



Re-Entrant Speakers and Speaker-Strobes

Re-entrant speakers feature a sealed, high efficiency compression driver that's both weatherproof and vermin proof. This makes them ideal for public places and outdoor areas such as parking garages and transport terminals. All Integrity speakers include a DC Blocking Capacitor that permits electrical supervision of the audio distribution circuit. Models for 25V_{RMS} and 70V_{RMS} circuits are available.

Fire Alarm Appliances, clear lenses, Data Sheet K85001-0317

↓ 15/75 cd	↓ 30 cd	↓ 110 cd	↓ Speaker only	
<input type="checkbox"/> INT-7AR2	<input type="checkbox"/> 757-3A-RS25	<input type="checkbox"/> INT-8AR2	<input type="checkbox"/> 757-1A-RS25	Speaker-strobe, 25 V, red housing
<input type="checkbox"/> INT-7AR2W	<input type="checkbox"/> 757-3A-RS25W	<input type="checkbox"/> 757-8A-RS25W	<input type="checkbox"/> 757-1A-RS25W	Speaker-strobe, 25 V, white housing
<input type="checkbox"/> INT-7AR	<input type="checkbox"/> 757-7A-RS70	<input type="checkbox"/> INT-8AR	<input type="checkbox"/> INT-R	Speaker-strobe, 70 V, red housing
<input type="checkbox"/> INT-7ARW	<input type="checkbox"/> INT-3ARW	<input type="checkbox"/> INT-8ARW	<input type="checkbox"/> 757-1A-RS70W	Speaker-strobe, 70 V, white housing



Temporal Horns and Horn-Strobes

During installation, the Horn is configured for steady or temporal tone signal. When temporal output is selected, all Horns on a common two-wire circuit are self-synchronized. Integrity Series Horns emit a low frequency "growling" tone that demands attention. Horns can be configured for either high output (98 dBA) or low output (94 dBA); and are listed for outdoor use.

<input type="checkbox"/> INT-T (Red)	<input type="checkbox"/> INT-TW (White)	Temporal Horn	Data Sheet K85001-0341
<input type="checkbox"/> INT-7AT (Red)	<input type="checkbox"/> INT-7ATW (White)	Temporal Horn-Strobe, 15/75cd	Data Sheet K85001-0341
<input type="checkbox"/> INT-8AT (Red)	<input type="checkbox"/> INT-8ATW (White)	Temporal Horn-Strobe, 110cd	Data Sheet K85001-0341
<input type="checkbox"/> INT-WBW (Red)	<input type="checkbox"/> INT-WB (White)	Outdoor Box	Data Sheet K85001-0341



4" Square Box Mount Strobes

405 Series strobes are self-synchronized to flash at one fps across their full operating voltage range. UL 1971 synchronization requirements are achieved when used with the MG1M Signal Master. Strobes must be connected to signal circuits that output a constant (not pulsed) voltage. A diode is used to allow full signal circuit supervision. 405 Series strobes are suitable for outdoor use and installed to a standard four-inch square electrical box.

<input type="checkbox"/> 4MS-5AW (White)	Strobe - 15 cd	Data Sheet K85001-0305
<input type="checkbox"/> 4MS-7AR (Red)	<input type="checkbox"/> 4MS-7AW (White)	Strobe - 15/75
<input type="checkbox"/> 4MS-3AW (White)	Strobe - 30 cd	Data Sheet K85001-0305
<input type="checkbox"/> 4MS-6AW (White)	Strobe - 60 cd	Data Sheet K85001-0305
<input type="checkbox"/> 4MS-8AR (Red)	<input type="checkbox"/> 4MS-8AW (White)	Strobe - 110 cd
<input type="checkbox"/> CS405-7A-T (15/75 cd)	<input type="checkbox"/> CS405-8A-T (110 cd)	Strobe - Weatherproof (red)
<input type="checkbox"/> 74347U	Outdoor Box for CS model (red)	Data Sheet K85001-0305

SUBMIT



Audible Signals



Fire Alarm Bells

Kidde fire alarm bells are of the underdome type with heavy-duty mechanisms. Gongs are made of selected alloy steel to generate the loud, resonant tones. For weatherproof application, optional surface weatherproof backboxes are available.

<input type="checkbox"/>	<input type="checkbox"/> 323D-10AW (Grey)	<input type="checkbox"/> 323D-10AW-R (Red)	10-inch Single Stroke, Diode — 20-24Vdc	Data Sheet E85001-0333
<input type="checkbox"/>	<input type="checkbox"/> 439D-6AW (Grey)	<input type="checkbox"/> 439D-6AW-R (Red)	6-inch Vibrating, Diode — 20-24Vdc	Data Sheet E85001-0333
<input type="checkbox"/>	<input type="checkbox"/> 439D-10AW (Grey)	<input type="checkbox"/> 439D-10AW-R (Red)	10-inch Vibrating, Diode — 20-24Vdc	Data Sheet E85001-0333



Multiple Tone Signal

The 5530MD-24AW is a weatherproof heavy-duty industrial, tone-selectable, signaling device capable of producing volume-controlled, high-decibel tones. It uses a microprocessor circuit to create 27 distinctive tones. A single tone may be selected by setting a miniature dip switch within the unit.

<input type="checkbox"/>	5530MD-24AW	27-Tone Selectable Signal — 24Vdc	Data Sheet K85001-0415
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Multi-purpose Loudspeaker

The HPSA15 loudspeaker is a high-efficiency double re-entrant loudspeaker that operates within a nominal frequency response range of 400-14,000 Hz, and provides audible output of 120 dB (peak at one meter) at the rated power level. It includes a versatile, three-way, 25/70.7 V line transformer that meets a variety of distributed system needs. The transformer is adjustable by means of a convenient seven-position, watts/impedance selection switch.

<input type="checkbox"/>	HPSA15R2570	15-watt loudspeaker, red	Data Sheet K85001-0591
<input type="checkbox"/>	HPSA15G2570	15-watt loudspeaker, gray	Data Sheet K85001-0591

Medium Power Speaker Arrays



Mass Notification

The EDWARDS HyperSpike® Series TCPA-10 is intended for indoor and outdoor audio signaling and notification. Its best-in-class acoustic coverage allows for fewer units to be installed in large indoor and outdoor areas, lowering installation and long-term maintenance costs, while also improving intelligibility and aesthetics.

	Color:	MPSA Assemblies	
<input type="checkbox"/>	<input type="checkbox"/> Black	UL 1480 listed C1D2 certified TCPA-10 Distributed Audio Speaker with 5 selectable power taps that run off of 25V, 70V and 100 VRMS audio systems	Data Sheet E85001-0669
<input type="checkbox"/>	<input type="checkbox"/> Gray	UL 1480 listed C1D2 certified TCPA-10 Distributed Audio Speaker with 5 selectable power taps that run off of 25V, 70V and 100 VRMS audio systems	Data Sheet E85001-0669
<input type="checkbox"/>	<input type="checkbox"/> Red	UL 1480 listed C1D2 certified TCPA-10 Distributed Audio Speaker with 5 selectable power taps that run off of 25V, 70V and 100 VRMS audio systems	Data Sheet E85001-0669
<input type="checkbox"/>	<input type="checkbox"/> White	UL 1480 listed C1D2 certified TCPA-10 Distributed Audio Speaker with 5 selectable power taps that run off of 25V, 70V and 100 VRMS audio systems	Data Sheet E85001-0669

SUBMIT



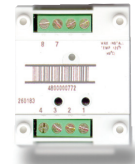
Accessories

Signal Master

The Signal Master is a simple-to-use accessory that adds enhanced features to Genesis and Integrity strobes and Horn-Strobes. It is a dual-purpose module that provides UL 1971 required precision synchronization for connected Integrity and Genesis strobes, and independent control for connected Genesis Horns over a single pair of wires. Two methods of Horn control are available: traditional Horn silence; or, normally-closed contact. Both methods may be used to silence Horns without turning off strobes on the same circuit. Two models are available. The Genesis “piggyback” model doesn’t require a separate electrical box. It simply snaps to the back of the first MG1 signal on the circuit. The remote mount model mounts in a North American 2½ inch (64 mm) deep one-gang box.



Snap-on (piggyback) model



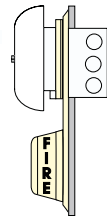
Remote 1-gang mount model

MG1M	Genesis Signal Master – Snap-on (piggyback)	Data Sheet K85001-0545	<input type="checkbox"/>
MG1M-RM	Genesis Signal Master – Remote 1-Gang Mount	Data Sheet K85001-0545	<input type="checkbox"/>



Bell/Strobe Plate

The bell/strobe plate is ideal for renovation and retrofit projects, and new construction. It is equipped with an Kidde self-synchronizing strobe and is designed to allow on-site mounting of the 439 series Vibrating Bell, providing instant conversion to Bell/Strobe audible/visual signal appliances. The strobe is designed for 20 to 24Vdc operation and must be connected to signal circuits which output a constant (not pulsed) voltage. A diode is used to allow full signal circuit supervision.



<input type="checkbox"/> 403-5A-R (15 cd)	<input type="checkbox"/> 403-7A-R (15/75 cd)	<input type="checkbox"/> 403-3A-R (30 cd)	<input type="checkbox"/> 403-8A-R (110 cd)	Data Sheet K85001-0441	<input type="checkbox"/>
403-SB for surface box				Data Sheet K85001-0441	<input type="checkbox"/>

Integrity Lens Marking Kits

Integrity strobes are shipped with wall mount style “FIRE” lens markings. Where ceiling mount, other languages or different lens markings are required, optional LKW and LKC series Lens Marking Kits are available. Lens marking sleeves snap right over the strobe lens providing a quick, easy, change.



<input type="checkbox"/> LKW-1R (Wall orientation)	“FIRE” (Red)	<input type="checkbox"/>
<input type="checkbox"/> LKW-1 (Wall orientation)	<input type="checkbox"/> LKC-1 (Ceiling orientation)	“FIRE”
<input type="checkbox"/> LKW-2 (Wall orientation)	<input type="checkbox"/> LKC-2 (Ceiling orientation)	“FEU”
<input type="checkbox"/> LKW-3 (Wall orientation)	<input type="checkbox"/> LKC-3 (Ceiling orientation)	“FIRE/FEU”
<input type="checkbox"/> LKW-4 (Wall orientation)	<input type="checkbox"/> LKC-4 (Ceiling orientation)	“SMOKE”
<input type="checkbox"/> LKW-5 (Wall orientation)	<input type="checkbox"/> LKC-5 (Ceiling orientation)	“HALON”
<input type="checkbox"/> LKW-6 (Wall orientation)	<input type="checkbox"/> LKC-6 (Ceiling orientation)	“CO2”
<input type="checkbox"/> LKW-7 (Wall orientation)	<input type="checkbox"/> LKC-7 (Ceiling orientation)	“EMERGENCY”
<input type="checkbox"/> LKW-8 (Wall orientation)	<input type="checkbox"/> LKC-8 (Ceiling orientation)	“ALARM”
<input type="checkbox"/> LKW-9 (Wall orientation)	<input type="checkbox"/> LKC-9 (Ceiling orientation)	“FUEGO”
<input type="checkbox"/> LKW-10 (Wall orientation)	<input type="checkbox"/> LKC-10 (Ceiling orientation)	“ALERT”

Mounting Accessories

Integrity Signals

- INT-SB Surface Box, Red, Indoor
- INT-SBW Surface Box, White, Indoor
- INT-WB Weatherproof Box, Red, Surface
- INT-WBW Weatherproof Box, White, Surface
- INT-RR Four-inch Retrofit Ring, Red
- 960A-4SF Flush Box, Indoor

Genesis® Signals

- 27193-11 Horn-strobe Surface Box, Red, Indoor
- 27193-16 Horn-strobe Surface Box, White, Indoor
- MG4RB Speaker Surface Box, Red, Indoor
- MG4B Speaker Surface Box, White, Indoor
- MG4ERB MG4 Dual-strobe Format Surface box, Red
- MG4EWB MG4 Dual-strobe Format Surface box, White

Horn/siren Combination

- 349 Weatherproof Backbox

Fire Alarm Bells and CS-405 Series

- 74347U Weatherproof Box, Red
- 449 Weatherproof Backbox, Gray



Genesis MG4B Speaker Surface Box

Notification Appliances

Hazardous Location Devices

Door Holders & Relays

SUBMIT



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Hazardous Location Devices

Kidde hazardous location devices provide reliable life safety protection and emergency signaling in areas where atmospheres could become harsh or explosive. All hazardous location devices are UL rated under the full range of classifications set out in the National Electrical Code.

The following classification definitions are an interpretive summary based on the 1996 edition of the National Electrical Code (NEC, NFPA 70). Refer to the latest editions of NFPA 497M, NFPA 70 and the UL Hazardous Location Equipment Directory for current and more detailed information. For more information on NEMA classifications, refer to NEMA Standards Publication No. 250.

Hazardous Location Classifications

Classes

Class I - Hazardous Gases. Class I locations are areas in which flammable gases or vapors are or may be present in the air in quantities sufficient to produce explosive or ignitable mixtures.

Typical Class I Hazardous Areas

- Spray painting and finishing areas
- Utility gas plants
- Petroleum refining production plants
- Petroleum dispensing locations
- Dry cleaning facilities
- Dip tanks containing combustibles or flammable liquids
- Plant facilities extracting solvents
- Inhalation anesthetics areas
- Process facilities manufacturing pyroxylin type plastics

Class II - Hazardous Dusts. Class II locations represent areas that are hazardous due to the presence of combustible dust.

Typical Class II Hazardous Areas

- Flour mills
- Feed mills
- Grain elevators and grain handling facilities
- Aluminum manufacturing and storage areas
- Magnesium manufacturing and storage areas
- Coal preparation and handling facilities
- Starch manufacturing and storage areas
- Confectionery plants
- Pulverizer sugar and cocoa manufacturing, and storage plants
- Spice grinding and storage plants

Class III - Hazardous Fibers. Class III locations have easily ignitable fibers or flyings present, but not likely to be suspended in air in quantities sufficient to produce ignitable mixtures in the atmosphere.

Typical Class III Hazardous Areas

- Textile mills
- Woodworking plants*
- Furniture manufacturers*
- Cotton gins
- Cotton seed milling plants
- Flax plants
- Carpet manufacturers

* Except if wood flour (dust), which is Class II Group G, is present

Divisions

The Location Classes are broken down by the NFPA into Divisions 1 and 2, defining different levels of risk. In general, the risk of there being a hazardous presence of flammable/combustible/ignitable materials is higher for Division 1 than for Division 2. The specifics differ between the three classes (I, II and III). Equipment suitable for Division 1 is also suitable for Division 2 locations.

Groups

Class I and II locations are divided by the NFPA into Group designations identifying specific gases, vapors and dusts by characteristic similarities that relate to specific equipment construction requirements. Class III locations are not divided into separate group designations.

Class I Groups

Group A. Atmospheres containing acetylene.

Group B. Atmospheres containing hydrogen, fuel and combustible process gases containing more than 30 percent hydrogen by volume, or gases or vapors of equivalent hazard such as butadiene, ethylene oxide, propylene oxide, and acrolein.

Group C. Atmospheres such as ethyl ether, ethylene, or other gases or vapors of equivalent hazard.

Group D. Atmospheres containing acetone, ammonia, benzene, butane, cyclopropane, ethanol, gasoline, hexane, methanol, methane, natural gas, naphtha (petroleum), propane, or gases or vapors of equivalent hazard.

Class II Groups

Group E. Atmospheres containing combustible metal dusts, including aluminum, magnesium, and their commercial alloys, or other combustible dusts whose particle size, abrasiveness and conductivity present similar hazards in the use of electrical equipment.

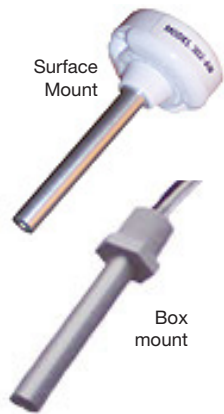
Group F. Atmospheres containing combustible carbonaceous dusts, including carbon black, charcoal, coal, or dusts that have been sensitized by other materials so that they present an explosion hazard.

Group G. Atmospheres containing combustible dusts not included in Group E or F, including flour, grain, wood, plastic, and chemicals.



Initiating Devices

Rate Compensation Heat Detectors



Series 302 heat detectors are designed for use in normal environments as well as environments where the detectors are subject to weather, moisture (internal condensation), and explosive atmospheres. They are normally-open devices designed to close an electrical circuit upon activation. All models feature rate compensation and are available with either 135 °F (57.2 °C) or 194 °F (90 °C) ratings. They are self restoring, hermetically sealed, shock and corrosion resistant, and are tamperproof.

Sensor's Rated Temperature	Minimum Ambient Air Temperature	Maximum Ceiling Temperature
135 °F (57.2 °C)	-40 °F (-40 °C)	100 °F (38 °C)
194 °F (90 °C)	-40 °F (-40 °C)	150 °F (66 °C)

The sensor's aluminum tube acts as a heat collector when sources of heat radiate directly on the tube. Install these sensors out of direct sunlight and away from radiating heat sources including the direct flow from heaters and heat ducts.

302-AW-135	All-weather Heat Detector - Vertical Mounting FM & UL, 135 °F (57.2 °C)	Data Sheet K85001-0589	<input type="checkbox"/>
302-AW-194	All-weather Heat Detector - Vertical Mounting FM & UL, 194°F (90 °C)	Data Sheet K85001-0589	<input type="checkbox"/>
302-ET-135	All-weather Heat Detector - Vertical, Box Mount (½" NPT), FM & UL, 135 °F (57.2 °C)	Data Sheet K85001-0589	<input type="checkbox"/>
302-ET-194	All-weather Heat Detector - Vertical, Box Mount (½" NPT), FM & UL, 194°F (90 °C)	Data Sheet K85001-0589	<input type="checkbox"/>
302-EPM-135	Heat Detector - Explosionproof Mounting UL (Not FM approved), 135 °F (57.2 °C)	Data Sheet K85001-0589	<input type="checkbox"/>
302-EPM-194	Heat Detector - Explosionproof Mounting UL (not FM approved), 194°F (90 °C)	Data Sheet K85001-0589	<input type="checkbox"/>
AP-P	Adaptor plate for mounting 302 and 302-AW to any 3" box or 4" octagon outlet box	Data Sheet K85001-0589	<input type="checkbox"/>
JALX11	Explosion proof outlet body with cover - Killark	Data Sheet K85001-0589	<input type="checkbox"/>

Explosionproof/weatherproof Manual Stations

MPSR Series explosionproof/weatherproof manual pull stations are noncoded fire alarm stations solidly constructed of die-cast material. They are rated for Class I Group B (hydrogen) C & D, Class II Groups E, F, G, Class III environments, and are rated NEMA 4X for outdoor use. Key and screw reset models feature terminal connections and come complete with backbox.



Hex Screw Reset	Cat 45 Key Reset	Manual Stations	Data Sheet K85001-0588
<input type="checkbox"/> MPSR1-DHTWX-GE	<input type="checkbox"/> MPSR1-D45WX-GE	Explosionproof Single-action, SPST with backbox.	<input type="checkbox"/>
<input type="checkbox"/> MPSR1-SHTW-GE	<input type="checkbox"/> MPSR1-S45W-GE	Weatherproof Single-action, SPST with backbox.	<input type="checkbox"/>
<input type="checkbox"/> MPSR1-DHTW-GE	<input type="checkbox"/> MPSR1-D45W-GE	Weatherproof Single-action, DPDT with backbox.	<input type="checkbox"/>
<input type="checkbox"/> MPSR2-SHTW-GE	<input type="checkbox"/> MPSR2-S45W-GE	Weatherproof Double-action, SPST with backbox.	<input type="checkbox"/>
<input type="checkbox"/> MPSR2-DHTW-GE	<input type="checkbox"/> MPSR2-D45W-GE	Weatherproof Double-action, DPDT with backbox.	<input type="checkbox"/>
<input type="checkbox"/> MPSR2-SHTW-GE-NYW	<input type="checkbox"/> MPSR2-S45W-GE-NYW	Weatherproof Double-action, SPST with backbox, NYC white stripe.	<input type="checkbox"/>

For French markings add *-F* to the suffix of the model number. For bilingual French/English markings add *-B* to the suffix of the model number.

MPSR-LP	Double action cover for explosionproof manual stations	<input type="checkbox"/>
MPSRGR10	Replacement glass rods for MPSR stations (10 pack).	<input type="checkbox"/>
276-K1	Cat 45 Key (each)	<input type="checkbox"/>

SUBMIT



Explosionproof Smoke Detector

Model 30-3013 detectors are high performance smoke detectors built for use in hazardous locations. They are corrosion-resistant and feature a non-conducting aluminum alloy retaining ring that protects the detector sensor against the effects of explosions and other catastrophic events. The retaining ring mounts securely to a companion junction box, which offers several common port configurations for conduit connection. Together, the ring and box provide a sturdy protective shell for the detector head.

<input type="checkbox"/>	30-3013A1N12F	Explosionproof Smoke Detector	Data Sheet K85001-0645
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Notification Appliances

Hazardous Location Strobes

- Class I, II, or III locations

116DEGEX-FJ hazardous location strobes are life safety signaling appliances designed for installation in hazardous environments. State-of-the-art technology provide for high visual output and low maintenance. The 116DEGEX-FJ has negligible in-rush current. When pendant, wall or ceiling mounted, the 116DEGEX-FJ meets or exceeds the requirements of UL 1971 Signaling Appliance for the Hearing Impaired.



<input type="checkbox"/>	116DEGEX-FJ	Explosionproof Strobe, Diode Polarized	Data Sheet K85001-0624
<input type="checkbox"/>	116EX-B	Wall bracket mounting elbow (required for wall mount applications)	Data Sheet K85001-0624
<input type="checkbox"/>	116EX-C	Ceiling/wall mounting module (required for wall mount applications)	Data Sheet K85001-0624
<input type="checkbox"/>	116EX-P	Pendant mounting module - 3/4" (19 mm) NPT	Data Sheet K85001-0624
<input type="checkbox"/>	116-GRD	Lens Guard	Data Sheet K85001-0624

Hazardous Location Bells

- Class I groups B, C and D locations
- Class II groups E, F and G locations
- Class III hazardous locations, for Divisions 1 and 2

430D series of hazardous location bells are diode-polarized, heavy duty fire bells for use in life safety applications where a diode supervised signal is required. They can be mounted to any solid surface using two 3/8 inch (10 mm) bolts and the supplied mounting brackets or to a rigid conduit. The integral explosion-proof housing is mechanically terminated to accept a standard 3/4 inch -14 National Pipe Taper (NPT) nipple.

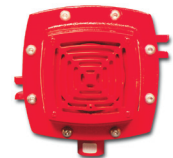


<input type="checkbox"/>	<input type="checkbox"/> 439DEX-6AW (6")	<input type="checkbox"/> 439DEX-8AW (8")	<input type="checkbox"/> 439DEX-10AW (10")	Bell – 24 Vdc, Red	Data Sheet K85001-0399
<input type="checkbox"/>	<input type="checkbox"/> 439DEX-6AW-R (6")	<input type="checkbox"/> 439DEX-8AW-R (8")	<input type="checkbox"/> 439DEX-10AW-R (10")	Bell – 24 Vdc, Grey	Data Sheet K85001-0399

Hazardous Location Horns

- Class I groups B, C and D locations
- Class II groups E, F and G locations
- Class III hazardous locations, for Divisions 1 and 2

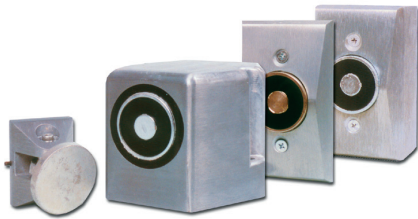
888D and 74339U hazardous location horns are diode-polarized, heavy duty, high decibel vibrating horns intended for use in life safety systems in hazardous (classified) locations. These horns may be mounted to any solid surface using two bolts. Each unit is supplied with a sealing fitting for a 3/4 inch -14 National Pipe Taper (NPT) nipple, and wire leads for the electrical connection to the life safety system notification appliance circuit.



<input type="checkbox"/>	<input type="checkbox"/> 888D-N5 (120 Vac)	<input type="checkbox"/> 74339U (24 Vdc)	Horn – 120 Vac	Data Sheet K85001-0397
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Door Holders



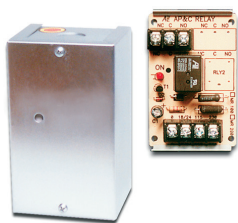
24 Vac 60 Hz
24 Vdc
120 Vac 60 Hz

Electromagnetic Door Holders

Electromagnetic door holders keep doors open until signaled by the fire alarm system, a heat detector, a smoke detector, or an electrical switch. Door holders should be installed wherever doors may be effectively used to confine smoke and fire, or where the release of a self-closing door from a remote location is required. Fail-safe operation is an inherent feature of these door holders. If power fails, doors are released automatically, but may be opened or closed manually at any time. All units are free of moving parts, are self-contained, and require no maintenance. Door holders have a holding force of approximately 15-25 Lbf (66-111N).

<input type="checkbox"/> 1501-AQN5 (Single Door)	<input type="checkbox"/> 1502-AQN5 (Double Door)	Floor Mounted	Data Sheet E85001-0421	<input type="checkbox"/>
<input type="checkbox"/> 1504-AQN5 (Long Catch Plate)	<input type="checkbox"/> 1505-AQN5 (Short Catch Plate)	Flush Wall Mounted	Data Sheet E85001-0421	<input type="checkbox"/>
<input type="checkbox"/> 1508-AQN5 (Surface)	<input type="checkbox"/> 1505-AQN9 (Completely flush)	Wall Mounted	Data Sheet E85001-0421	<input type="checkbox"/>
<input type="checkbox"/> 1500-1 (1.5" Extension)	<input type="checkbox"/> 1500-2 (2.5" Extension)	Catch Plate	Data Sheet E85001-0421	<input type="checkbox"/>
<input type="checkbox"/> 1500-7 (5.25 to 7.5" Extension)	<input type="checkbox"/> 1500-12 (7.5 to 12" Extension)	Catch Plate	Data Sheet E85001-0421	<input type="checkbox"/>
<input type="checkbox"/> CS2595-5 (short)	<input type="checkbox"/> CS2598-5 (long)	Replacement Armature	Data Sheet E85001-0421	<input type="checkbox"/>

Relays



Four-Voltage SPDT/DPDT Control Relays

MR Series multi-voltage control relays are ideal for applications where local contacts are required for system status, remote contacts, or for control of electrical loads and general purpose switching. They are suitable for use with HVAC temperature control, fire alarm, security, energy management, and lighting control systems. Relays provide 10-Amp contacts, which may be operated by one of four input control voltages. Each relay position contains a red LED that indicates the relay coil is energized. Relays may be snapped apart from a standard four-module assembly and used independently.

<input type="checkbox"/> MR-101/T (with mounting hardware)	<input type="checkbox"/> MR-101/C (in metal enclosure)	Single SPDT relay	Data Sheet E85300-02762	<input type="checkbox"/>
<input type="checkbox"/> MR-104/T (with mounting hardware)	<input type="checkbox"/> MR-104/C (in metal enclosure)	4-position SPDT relay	Data Sheet E85300-02762	<input type="checkbox"/>
<input type="checkbox"/> MR-201/T (with mounting hardware)	<input type="checkbox"/> MR-201/C (in metal enclosure)	Single DPDT relay	Data Sheet E85300-02762	<input type="checkbox"/>
<input type="checkbox"/> MR-204/T (with mounting hardware)	<input type="checkbox"/> MR-204/C (in metal enclosure)	4-position DPDT relay	Data Sheet E85300-02762	<input type="checkbox"/>



Heavy Duty DPDT Power Relays

MR-199 heavy duty power relays are designed for control applications where 30-Amp DPDT contacts are required. Two models are available: a 115Vac coil and a 24Vdc coil, each of which may be mounted in a rugged steel enclosure.

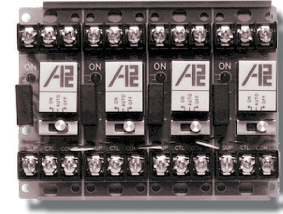
<input type="checkbox"/> MR-199X-13 (relay only)	<input type="checkbox"/> MR-199X-13/C (in metal enclosure)	Power Relay — 24 VDC	Data Sheet E85300-02765	<input type="checkbox"/>
<input type="checkbox"/> MR-199AX-14 (relay only)	<input type="checkbox"/> MR-199AX-14/C (in metal enclosure)	Power Relay — 120 VDC	Data Sheet E85300-02765	<input type="checkbox"/>

SUBMIT



SPDT Relays

Single-pull/double-throw relays are ideal for applications where local or remote contacts are required for control of electrical loads. They are suitable for use with HVAC, temperature control, fire alarm, security, energy management, and lighting control systems. Each relay position contains a high-intensity LED which, when illuminated, indicates the relay coil is energized. Individual relay circuits may be snapped apart from standard four- or eight-position modules, and are also available in a single-circuit configuration. The common power to each relay position is bussed on the printed wiring board, which permits power to be connected only once per multi-position module.



Single-Voltage Manual Override Relays

MR-600 series relays provide SPDT, 10-Amp contacts with manual override capability by means of an ON-AUTO-OFF switch. The relay requires a 24Vac or 24Vdc power source supplied by the controlling system. With the switch in the ON position the power relay is energized. With the switch in the AUTO position the relay is allowed to operate as signaled by the controlling system. With the switch in the OFF position the relay cannot be energized.

<input type="checkbox"/>	<input type="checkbox"/> MR-601/T (with mounting track)	<input type="checkbox"/> MR-601/S (with mounting spacers)	Single SPDT relay	Data Sheet E85300-02761
<input type="checkbox"/>	<input type="checkbox"/> MR-604/T (with mounting track)	<input type="checkbox"/> MR-604/S (with mounting spacers)	4-position SPDT relay	Data Sheet E85300-02761
<input type="checkbox"/>	<input type="checkbox"/> MR-608/T (with mounting track)	<input type="checkbox"/> MR-608/S (with mounting spacers)	8-position SPDT relay	Data Sheet E85300-02761

Three-Voltage Control Relays

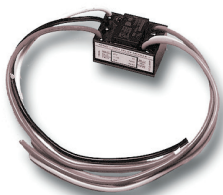
MR-800 Series relays provide SPDT 10-Amp contacts that may be operated by one of three input control voltages: 24Vdc, 24Vac or 115Vac.

<input type="checkbox"/>	<input type="checkbox"/> MR-801/T (with mounting track)	<input type="checkbox"/> MR-801/S (with mounting spacers)	Single SPDT relay	Data Sheet E85300-02763
<input type="checkbox"/>	<input type="checkbox"/> MR-804/T (with mounting track)	<input type="checkbox"/> MR-804/S (with mounting spacers)	4-position SPDT relay	Data Sheet E85300-02763
<input type="checkbox"/>	<input type="checkbox"/> MR-808/T (with mounting track)	<input type="checkbox"/> MR-808/S (with mounting spacers)	8-position SPDT relay	Data Sheet E85300-02763

Four-Voltage Control Relays

MR-700 Series relays provide SPDT 10-Amp contacts that may be operated by one of four input control voltages: 12Vdc, 12Vac, 24Vdc, or 24Vac.

<input type="checkbox"/>	<input type="checkbox"/> MR-701/T (with mounting track)	<input type="checkbox"/> MR-701/S (with mounting spacers)	Single SPDT relay	Data Sheet E85300-02764
<input type="checkbox"/>	<input type="checkbox"/> MR-704/T (with mounting track)	<input type="checkbox"/> MR-704/S (with mounting spacers)	4-position SPDT relay	Data Sheet E85300-02764
<input type="checkbox"/>	<input type="checkbox"/> MR-708/T (with mounting track)	<input type="checkbox"/> MR-708/S (with mounting spacers)	8-position SPDT relay	Data Sheet E85300-02764



Three-Voltage Encapsulated Control Relays

PAM-1 relays provide 10-Amp Form C contacts. The relay may be energized by one of three input voltages: 24Vac, 24Vdc, or 115Vac. The PAM-1 may be mounted with double-sided adhesive tape, a self-tapping screw, or loosely placed in a backbox.

<input type="checkbox"/>	PAM-1	Encapsulated SPDT relay	Data Sheet E85300-02766
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