![Kidde United Technologies]

Product Guide

Intelligent Fire alarm solutions
for small and mid-sized buildings

See what's possible now.

Kidde Intelligent Systems Product Guide
Addressable fire alarm solutions
for small to mid-sized buildings.

A whole new way of looking at life safety.

Training on your terms...

Kidde self-study courses are designed by educators with years of experience in the life safety field. They give you the skills you need to take full advantage of the innovative features that our systems have to offer. All Kidde courses may be used towards continuing education credits.

Idea Guys who make you look good...

Got a difficult job that needs some expert guidance? Struggling with a tricky application problem? Struggle no more. Our application specialists offer free advice on how to make the most of even the toughest installations. From panel configuration to field wiring and devices – you're just a call away from a Kidde expert dedicated to getting you on the right track.

Tech Support in synch with your needs...

All our support technicians are NICET Certified life safety professionals who combined have more than 180 years experience in the field. They have their own Trouble Simulation Lab, ISO 9001: 2 Certification, and the stamina to see every issue through to a successful resolution. Oh yes, and *our* Tech Support is free. 24/7. Really.

A three-year warranty that speaks for itself...

Every Kidde system you purchase is underwritten by one of the most comprehensive warranties in the business. This is your assurance that Kidde equipment will bring long-term value to every installation with quality products, innovative technology, and our three-year pledge of uncompromising excellence.

Greater than the sum of its parts...

Designed from the ground up to work in concert with one another, our systems are true systems – not patchworks. In fact, Kidde remains one of the only life safety suppliers today that engineers and manufactures fire alarm control panels, initiating devices, *and* notification appliances.

Smart.

With a microprocessor in each device, intelligence is distributed throughout the system. This not only speeds event processing, it also makes a more robust and reliable system – so robust, in fact, that when upgrading from a conventional panel to a Kidde intelligent system, you can usually use existing wiring – *no twisted or shielded cable required!*

FX-1000: comes with one loop that supports up to 250 points and supports three additional loops of up to 250 points each.

Up to four loops (FX-1000)

FX-64: 2 Class B or 2 optional Class A NACs

Ethernet

DACT/Dialer

16 Conventional IDCs, 2 additional NACs with RZI16-2RS module

RS-232

Relays: Two Form C, one Form A

FX-1000: 4 Class B or 2 Class A NACs

Any combination of up to eight LCD, LED, and graphic serial annunciators

FX-64: comes with one loop that supports 64 devices of any type. It cannot be expanded.

Worth a look...

- Auto-programming speeds installation time
- Form C contacts for alarm and trouble, Form A for supervisory
- Easy-to-configure rotary addressing
- Optional Ethernet port for diagnostics, programming and a variety of system reports
- Two programmable switches with LEDs and custom labeling
- Supports horn silence over two wires, and UL 1971-compliant strobe synchronization
- Class B or Class A wiring
- Ground fault detection by module
- Supports up to eight serial annunciators, (LCD, LED-only, and graphic interface)
- Can use existing wiring for most retrofit applications
- Upload/download remotely or locally
- Two-level maintenance alert reporting
- Pre-alarm and alarm verification by point
- Adjustable detector sensitivity
- 4 x 20 character backlit LCD display
- Transmission test frequency by hour

Ordering Information

FX-1000D	**Four loop system** with one 250-point loop installed, 1,000 point capacity max., includes a two-line dialer, four NACs. Red door, surface mount enclosure.
FX-1000	**Four loop system**. Order dialer separately.
SA-TRIM2	FX-1000 Flush mount trim, black.
FX-64RD	**One loop system** with 64-points capacity, includes a two-line dialer, two NACs. Red door, surface mount enclosure.
FX-64R	**One loop system**. Order dialer separately.
SA-TRIM1	FX-64 Flush mount trim, black

Specifications

	FX-1000 Control Panels	FX-64 Control Panels
Device loops	One Class B or A loop, supporting 125 detectors and 125 modules. Expandable to four loops.	One Class B or A loop, supporting 64 devices of any kind.
NACs	4 Class B or 2 Class A, 2.5 amps each.	2 Class B (Class A optional), 2.5 amps each.
NAC Current	6.0 A total, 2.5 A max. per circuit at 120/230 VAC 60 Hz.	3.75 A total, 2.5 A max. per circuit at 120/230 VAC 60 Hz
Aux Power	24 Vdc nominal at 500 mA (Aux 2 continuous; Aux 1 resettable)	
Base panel current	Standby: 172 mA. Alarm: 267 mA.	Standby: 155 mA. Alarm: 204 mA.
Batteries	Holds up to 2 18 Ah batteries.	Holds up to 2 10 Ah batteries.
Loop circuit	Maximum loop resistance: 66 Ω. Maximum loop capacitance: 0.5 µF. Style 4, 6, 7 wiring. 64 isolators max.	
Contacts (Resistive Load)	Alarm: Form C N.O. 24 VDC at 1 A Trouble: Form C 24 VDC at 1 A Supervisory: Form A N.O. 24 VDC at 1 A	

See Data Sheet K85005-0135 for more information.

Well connected.

Data Sheet K85001-0611

Designed expressly for small buildings, Kidde input-output modules are addressable devices uniquely identified on the system by familiar rotary switches. Unique to Kidde modules is ground fault detection so precise that it actually pinpoints the specific module where the wiring problem has occurred, saving hours of troubleshooting and wire tracing.

No-charge technical support!

Single Input Mini Module

Ground fault detection so precise it actually pinpoints the specific module where the wiring problem has occurred!

Optional Modules

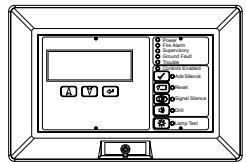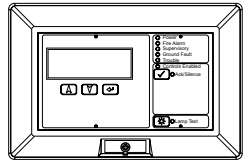|	
FX-SLC1	Expansion module, one 250-device loop.
FX-SLC2	Expansion module, two 250-device loops, 500 devices total.
RZI16-2RS	Remote Zone Interface Module. Sixteen Class B Initiating Device Circuits and two Class B Supervised Output Circuits. Mounting bracket included.
SA-DACT	Dual Line Dialer/Modem, supports Contact ID, mounts in cabinet on base plate.
SA-232	RS-232 Serial Port for connection to printers & computers, mounts in cabinet.
SA-ETH	Ethernet Port, Slave, mounts in cabinet on base plate.
SA-CLA	Class A adapter module. Provides Class A capacity on NACs. Mounts in cabinet on main board. FX-64 systems only.
D16L-FA	LED Annunciator Module, 16 groups, 2 LEDs per group with insertable labeling. Mounts in cabinet. FX-1000 systems only.

In touch.

Data sheet K85005-0128

Kidde remote annunciators provide status indication and common controls for FX-Series intelligent-addressable fire alarm systems. This family of annunciators offers LCD or LED annunciation.
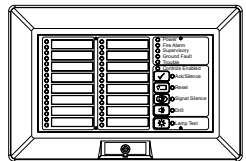
There are three R-Series annunciator models, plus an LED-based expander. Up to two expanders can be connected to any annunciator. The expander includes 24 pairs of LEDs. All annunciator models include status LEDs and an internal sounder.
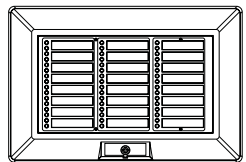

RLCD-C

RLCD

RLED-C

RLED24

Standard LCD annunciator, white housing and no common controls.

K-RLCD-CR LCD text annunciator

Add hyphen for options

Add R for Red Housing
Add C for Common Controls

Standard LED annunciator, white housing and no common controls.

K-RLED-CR LED text annunciator

Add hyphen for options

Add R for Red Housing
Add C for Common Controls

Accessories

K-RLED24R	24-pair LED zone expander.
RA-ENC1	One-position enclosure.
RA-ENC2	Two-position enclosure.
RA-ENC3	Three-position enclosure.
GCI	Graphic Annunciator Driver

Brilliant.

Kidde self-diagnostics continuously adjusts the detector's sensitivity to compensate for changes in the environment such as the presence of dust and humidity. The detectors issue a dirty sensor warning when they reach their preset limit.

Three year warranty!

...and when cleaning is necessary, our exclusive optical chamber takes just seconds to replace!

Accomplished.

Data Sheet K85001-0592

The Kidde line of intelligent addressable initiating devices draws on field-proven fire alarm technology that has been at the forefront of the life safety industry for decades. Now your small to mid-sized installations can benefit from the same high-end technology that's protecting some of the world's most important structures.

FX-PHD	Intelligent-Addressable Optical/Fixed Temperature Detector
FX-PD	Intelligent-Addressable Optical Smoke Detector
FX-HD	Intelligent-Addressable Fixed Temperature or Rate of Rise Heat Detector
B4U	Standard Base
RB4U	Relay Detector Base
IB4U	Isolator Detector Base
SB4U	Audible (Sounder) Detector Base
SB4U-LF	Low Frequency Audible (Sounder) Detector Base
AB4G-SB	Surface Box for Audible Bases
RLED	Remote alarm LED, use with standard base only

Keep plenty of chambers on-hand at all times...

211-10PKG	Replacement optical chambers (package of 10)

5

Trusted.

Single action manual stations feature the familiar teardrop design with simple positive pull action and sturdy die-cast metal body.

Data Sheet K85001-0612

Kidde intelligent manual pull stations offer contractors and installers simple setup and installation, while delivering options that take full advantage of intelligent fire alarm processing. With a microprocessor in each device, intelligence is distributed throughout the system so that command decisions are made instantly at the individual pull station, rather than bottlenecking at the control panel. This not only speeds event processing, it also makes a more robust and reliable system – so robust, in fact, that when upgrading from a conventional panel to a Kidde intelligent system, you can usually use existing wiring – no twisted or shielded cable required!

FX-270	Single Action Fire Pull Station, Kidde Addressable
FX-278	Double Action Fire Pull Station, Kidde Addressable

Intelligent Duct Smoke Detector

Data Sheet K85001-0613

The FX-PDD features a 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.

FX-PDD	Intelligent Duct Detector

The conventional devices on this page are for special applications and can interface with FX addressable panels using one of the addressable input modules, such as the FX-IDC1B or FX-IDC2B.

EC5000R
Reflective Beam Smoke Detector
Data Sheet K85001-0616

The EC5000R System features advanced innovations such as auto-alignment, which indicates the optimal location of the reflector by means of an integrated laser. Once installed, the system automatically steers and maintains the beam to the optimum position for reliable performance.

EC5000R	Reflective auto align beam smoke detector system. Includes one detector head, one controller, one prism.

30-3013
Explosionproof Smoke Detector
Data Sheet K85001-0645

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.

30-3013A1N12F	Explosionproof Smoke Detector

MPSR Series
Hazardous Location Fire Alarm Stations
Data Sheet K85001-0588

MPSR Series manual pull stations are noncoded fire alarm stations solidly constructed of die-cast material. All components are prepainted or have plated surfaces to inhibit corrosion. Weatherproof manual stations are rated for outdoor use. Explosionproof/weatherproof manual stations 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.

XAL53	Hazardous Location Fire Alarm Station

Single Action Harsh Environment Manual Stations	Switch Contacts		Reset	
	Single Pole	Double Pole	Tool	Key
MPSR1-D45W		✓		✓
MPSR1-D45WX (explosionproof)		✓		✓
MPSR1-DHTW		✓	✓	
MPSR1-S45W	✓			✓
MPSR1-SHTW	✓		✓	

UL 1971 compliant with Kidde panels and boosters!

About the size of a deck of playing cards.

Star quality.

Kidde control panels work with exclusive signaling technology that delivers independent horn control over just a single pair of wires. This valuable feature makes it possible to silence horns while the strobes remain active!

Plus...

Ceiling devices are rated for wall or ceiling mount applications.

Wall and ceiling devices are available with white or red housings – and with optional "FIRE" markings.

Field-configurable light and sound output means fewer devices to stock, and greater flexibility.

The "Running Man" icon meets code requirements, overcomes language barriers, and eliminates lens marking headaches.
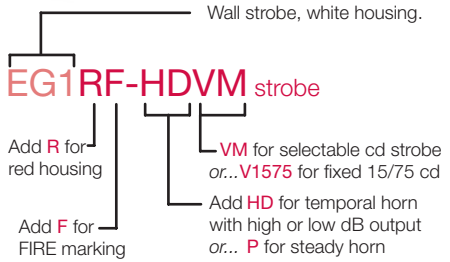
Kidde brings on-demand signaling to every application with a wide range of field-configurable options like horns and chimes with high/low dB output settings, and strobes with selectable candela output and flash rate – options that put you in the driver's seat when time is short, budgets are slim, and manpower is at a premium.
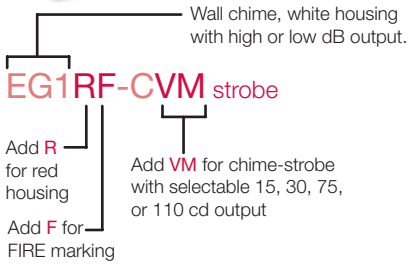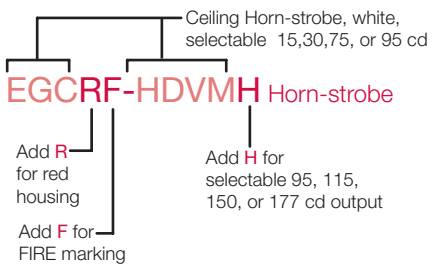
Wall Horns & Strobes
Data Sheet K85001-0573

Wall strobe, white housing.

EG1RF-HDVM strobe

Add **R** for red housing

Add **F** for FIRE marking

VM for selectable cd strobe
or... **V1575** for fixed 15/75 cd

Add **HD** for temporal horn with high or low dB output
or... **P** for steady horn

Wall Chimes
Data Sheet K85001-0574

Wall chime, white housing with high or low dB output.

EG1RF-CVM strobe

Add **R** for red housing

Add **F** for FIRE marking

Add **VM** for chime-strobe with selectable 15, 30, 75, or 110 cd output

Ceiling Horns & Strobes
Data Sheet K85001-0559

Ceiling Horn-strobe, white, selectable 15,30,75, or 95 cd

EGCRF-HDVMH Horn-strobe

Add **R** for red housing

Add **F** for FIRE marking

Add **H** for selectable 95, 115, 150, or 177 cd output
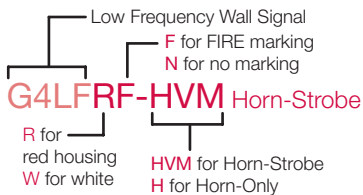
Low Frequency Signals
Data Sheet K85001-0639

Provides the benefits of Genesis life safety signals with output suitable for sleeping areas and other applications requiring low frequency audible tones.

Low Frequency Wall Signal

F for FIRE marking
N for no marking

G4LFRF-HVM Horn-Strobe

R for red housing
W for white

HVM for Horn-Strobe
H for Horn-Only

Voice Audio

ANS series
Audio Notification System
Data Sheet K85001-0587

This self-contained system is available in 25, 50, or 100 Watt models. Includes an amplifier, tone generator, digital message repeater (DMR), and supervisory interface. It is compatible with Kidde field configurable speakers and speaker-strobes.
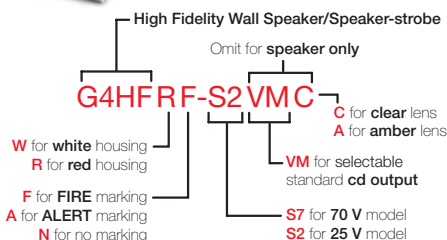
Voice of Authority.

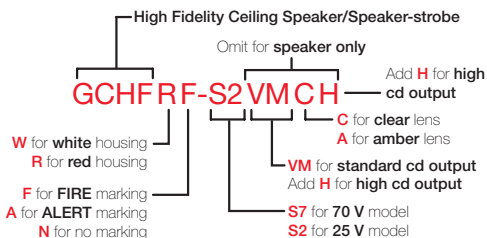## Wall Speakers, Strobes
Data Sheet K85001-0642

Selectable ¼, ½, 1, or 2 watt taps.

High Fidelity Wall Speaker/Speaker-strobe

Omit for **speaker only**

G4HF R F-S2 VM C

W for **white** housing
R for **red** housing

F for **FIRE** marking
A for **ALERT** marking
N for no marking

C for **clear** lens
A for **amber** lens

VM for selectable standard **cd output**

S7 for **70 V** model
S2 for **25 V** model

Ceiling Speakers, Strobes
Data Sheet K85001-0641

Selectable ¼, ½, 1, or 2 watt taps.

High Fidelity Ceiling Speaker/Speaker-strobe

Omit for **speaker only**

GCHF R F-S2 VM C H

W for **white** housing
R for **red** housing

F for **FIRE** marking
A for **ALERT** marking
N for no marking

Add **H** for **high cd output**

C for **clear** lens
A for **amber** lens

VM for standard cd output
Add **H** for **high cd output**

S7 for **70 V** model
S2 for **25 V** model

Outdoor Speakers and Speaker-Strobes
Data Sheet K85001-0626

Selectable ¼, ½, 1, or 2 watt and 25 V or 70 V.

WG4RF-SVMC speaker-strobe

R for red housing
W for white

SVMC for 15/29/70/87 cd
SVMHC for 102/123/147/161 cd
S for speaker only

F for FIRE marking, N for none

Power Supplies

Booster Power Supplies
Data Sheet K85005-0125

Booster and Auxiliary power supplies contain all the necessary circuits to monitor and charge batteries, control and supervise NAC circuits, monitor controlling inputs from external sources, and provide UL 1971 strobe synchronization.

EBPS6A	6.5 Amp Booster Power Supply
EBPS10A	10 Amp Booster Power Supply
APS6A	6.5 Amp Auxiliary Power Supply
APS10A	10 Amp Auxiliary Power Supply

Outdoor Horns and Horn-Strobes

Data Sheet FX85001-0628

WG4RF-HVMC horn-strobe

R for
red housing
W for white

F for FIRE marking, N for none

HVMC for selectable standard cd output
HVMHC for selectable high cd output
H for horn only

438/439 Series

Fire Alarm Bells

Data Sheet FX85001-0333

Fire Alarm Bells are specially designed for fire alarm applications. The gongs are made of selected alloy steel to give the loud, resonant tones necessary in fire alarm systems.

438D-6N5(R)	6 inch (150mm) Vibrating, Diode, Red
438D-10N5(R)	10 inch (250mm) Vibrating, Diode, Red
439D-6AW(R)	6 inch (150mm) Vibrating, Diode, Red
439D-10AW(R)	10 inch (250mm) Vibrating, Diode, Red
438D-8N5	8" (200mm) Vibrating, Diode, Gray
439D-8AW	8" (200mm) Vibrating, Diode, Gray

116 Series

Hazardous Location Strobes

Data Sheet FX85001-0624

116 Series hazardous location strobes are in-rush current limited life safety signaling appliances designed for installation in hazardous environments. Rigid specifications and state-of-the-art technology provide for high visual output and low maintenance.

116DEGEX-FJ	Explosionproof Strobe, Diode Polarized
116EX-B	Wall bracket mounting elbow (required for wall mount)
116EX-C	Ceiling/wall mounting module (required for wall mount)
116EX-P	Pendant mounting module - ¾" (19 mm) NPT
116-GRD	Lens Guard
116-GLOBE	Replacement Globe

888D-N5 & 889D-AW

Hazardous Location Horns

Data Sheet FX85001-0397

888D and 889D hazardous location horns are diode-polarized, heavy duty, high decibel vibrating horns intended for use in life safety systems in hazardous (classified) and outdoor locations. Each unit is supplied with a sealing fitting for ¾-inch -14 National Pipe Taper (NPT) nipple, and wire leads for the electrical connection to the life safety system notification appliance circuit.

888D-N5	Hazardous location horn – 120 Vac
889D-AW	Hazardous location – 24 Vdc

Door Holders

1500 Series
Electromagnetic Door Holders
Data Sheet K85001-0421

Electromagnetic door holders keep doors open until signaled by the fire alarm system, a heat detector, a smoke detector, or an electrical switch. 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).

1501-AQN5	Floor Mounted (Single Door)
1502-AQN5	Floor Mounted (Double Door)
1504-AQN5	Flush Wall Mounted (Long Catch Plate)
1505-AQN5	Flush Wall Mounted (Short Catch Plate)
1508-AQN5	Surface Wall Mounted
1509-AQN5	Completely Flush Wall Mounted

Relays

MR-199 Series
Heavy Duty Power Relays

Data Sheet K270065

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

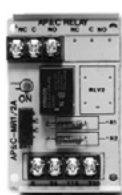|	
MR-199X-13/C	DPDT, 24 Vdc, mounted in enclosure
MR-199AX-14/C	DPDT, 120 Vac, mounted in enclosure

PAM-1

Multi-Voltage Control Relay

Data Sheet K270066

The PAM-1 Relay is encapsulated multi-voltage device providing 10 Amp Form C contacts. The relay may be energized by one of three input voltages: 24 Vac, 24 Vdc, or 115 Vac.

PAM-1	Single SPDT relay with LED, double-sided adhesive tape, mounting screw and 6 in (150 mm) leads.

MR-100 & MR-200 Series
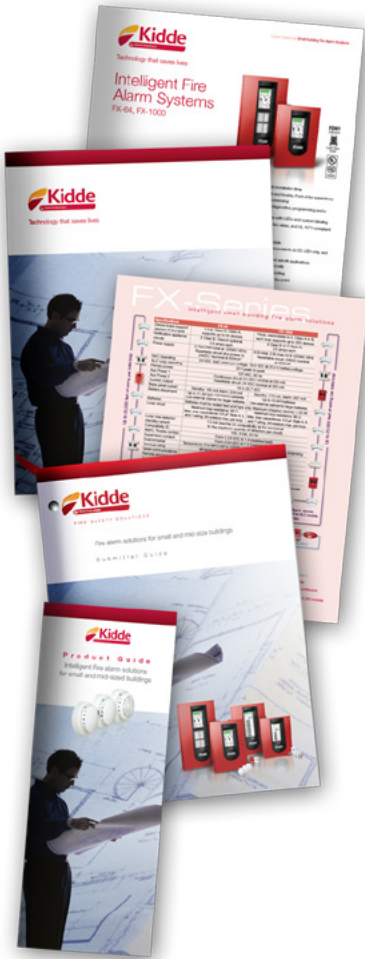### Multi-Voltage Control Relays
Data Sheet K270062

The MR-Series Multi-Voltage Control Relays offer SPDT or DPDT 10 Amp contacts which may be operated by one of four input control voltages. A single relay may be energized from a voltage source of 24 Vdc, 24 Vac, 115 Vac or 230 Vac by wiring to appropriate input terminals.

MR-101/C	Single SPDT relay with LED mounted in metal enclosure
MR-201/C	Single DPDT relay with LED mounted in metal enclosure

Kidde

United Technologies

See what's possible now.

Contact your Kidde representative for comprehensive product information.