Honeywell

THE POWER OF **CONNECTED**

Farenhyt™ Series

IFP-300 / IFP-300B

Intelligent Fire Alarm Control Panel

The IFP-300 (red) and IFP-300B (black) are intelligent analog/addressable fire alarm control panels (FACP). The basic IFP-300 panel contains one built in signaling line circuit (SLC), which can support 159 (IDP/SK) System Sensor® sensors and 159 IDP/SK modules or 127 (SD) Hochiki® devices per loop. Additional SLC loops can be added using the model 6815 SLC expander for SK/IDP devices to increase the overall point capacity to a maximum of 300 points per panel, or model 5815XL for SD devices to increase the overall point capacity to a maximum of 254 points per panel.

IFP-300 has the interconnection capability for up to 32 panels. The system has two modes of operation, multiple panels covering one larger building, or multiple independent buildings. To network panels together use the SK-NIC network interface card. Copper wire or fiber optic cable panel connectivity can be used within the same networked system.

IFP-300 has a built-in dual phone line, digital alarm communicator/transmitter (DACT), IP or optional cellular technologies, Form C trouble relay, and two programmable Form C relays. IFP-300 has powerful features such as detector sensitivity, day/night thresholds, drift compensation, pre-trouble maintenance alert, and calibration trouble alert.

The IFP-300 supports a variety of devices, including RA-2000, RA-1000 or RA-100 remote annunciator, 5824 serial/parallel printer interface module (for printing system reports), RPS-1000 power module, and IDP, SK or SD devices.

IFP-300B

FEATURES & BENEFITS

- Network support for up to 32 Sites
- Built-in support for up to 159 IDP/SK detectors and 159 IDP/SK modules or 127 SD SLC devices
- Four line LCD display with 40 characters per line
- Available in a red or black cabinet

- IFP-300 can be surface or flush mounted
- Built-in USB interface for convenient and quick programming
- Firmware can be upgraded in the field

- Network card allows copper network connection with a multi-mode or single-mode fiber connection option
- Built-in dual phone line, digital alarm communicator/transmitter (DACT), IP or optional cellular technologies

- JumpStart AutoProgramming® feature for easy programming
- Supports up to four SWIFT wireless gateways. Each gateway can have up to 49 wireless devices

- Supports Class B (Style 4) and Class A (Style 6 or Style 7 configuration for SLC, and SBUS.
- Built in synchronization for appliances from AMSECO, Gentex®, System Sensor®, and Wheelock

IFP-300 Technical Specifications

PHYSICAL:
Overall Dimensions: 26.4"H x 16.4"W x 4.11"D
Weight: 45 lbs.
Color: Red or Black

ENVIRONMENTAL
Operating Temperature: 32°F to 120°F (0°C to 49°C)
Humidity: 0 to 93% relative humidity (non-condensing)

ELECTRICAL:
IFP-300 Primary AC: 120VAC @ 60 Hz, 3.3A Total Accessory Load: 6A @ 24VDC power-limited
Standby Current: 190mA
Alarm Current: 250mA
Battery Charging Capacity: 17 to 55AH
Battery Size: 18AH max. allowed in control panel cabinet. Larger capacity batteries can be housed in RBB accessory cabinet.

AGENCY LISTINGS AND APPROVALS
NFPA 13, NFPA 15, NFPA 16, NFPA 70, & NFPA 72: Central Station; Remote Signalling; Local Protective Signalling Systems; Auxiliary Protected Premises Unit; & Water Deluge Releasing Service
UL Listed
CSFM: 7165-0559:0504
FDNY: COA#6245
Seismic (CA) (pending)
FM approved

APPROVED RELEASING SOLENOIDS

Asco	T8210A107	24 VDC	3 A max	0 Hz
Asco	8210G207	24 VDC	3 A max	0 Hz

COMPATIBLE DEVICES
See the data sheets listed below for a complete listing of the IDP, SK, SWIFT or SD devices.
350361: IDP Device Protocol data sheet
53623: SK Device Protocol data sheet
350360: SD Device Protocol data sheet
350615 & 350617: SWIFT devices data sheet

ORDERING INFORMATION
IFP-300: Intelligent Fire Alarm Control Panel. Red Cabniet.
IFP-300B: Intelligent Fire Alarm Control Panel Black Cabinet.

SBUS ACCESSORIES
RA-2000, RA-1000, RA-1000R, RA-100, RA-2000GRAY: Remote annunciators
6815: Signal Line Circuit (SLC) Expander for IDP or SK devices
5815XL: Signal Line Circuit (SLC) Expander for SD devices
RPS-1000: Power Supply
5496: NAC Expander
5824: Serial/Parallel Module
5880: LED I/O Module
5865-3 or 5865-4: LED Annunciator
5883: Relay Interface

MISCELLANEOUS ACCESSORIES
HFSS: Software Suite. Provides programming, upload/download and event reporting
RBB: Remote Battery Box Cabinet. Use for backup batteries up to 35 AH. Dimensions: 16" W x 10" H x 6" D
SK-SCK: Seismic Compliance Kit
SK-NIC: Network Interface Card
SK-NIC-KIT: Installation Accessory Kit
SK-FML: Fiber-Optic Multi Mode, transmitter and receiver
SK-FSL: Fiber-Optic Single Mode
CELL-MOD: Cellular Communicator in Plastic Enclosure
CELL-CAB-SK: Cellular Communicator in Metal Enclosure with lock and key

For more information
Learn more about Honeywell's Farenhyt Series and other products available by visiting
www.farenhyt.com

Honeywell Farenhyt
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800-328-0103

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Remote Annunciator

RA-1000

The RA-1000 is a remote annunciator used to operate and program IFP-series fire alarm control panels (FACP's). The RA-1000's keypad and display match the built-in annunciator of the IFP-1000 control panel.

The remote annunciator connects to the control panel via the RS-485 system bus. When the system is in normal operation and has AC power, the Power LED is lit and all other LEDs are off. The other LEDs turn on as alarms, supervisories, troubles, system silenced and AC power losses occur.

Installation

The RA-1000 can be surface or flush mounted. Use the optional trim ring for surface mounts. When flush mounting an electrical box is optional. If using an electrical box, use a 4S, single-gang, or double-gang box.

Compatibility

The RA-1000 is compatible with the following Farenhyt Series FACP's:

- IFP-2100 / IFP-2100ECS

- IFP-1000/ECS

- IFP-100/ECS

- IFP-300 / IFP-300ECS

- IFP-75

- IFP-50

**RA-1000R** /RA-1000

Agency Listings

FEATURES & BENEFITS

- 80-character backlit LCD display (4 lines with 20 characters on each line)
- Tactile/audible feedback
- RS-485 SBUS interface to panel
- Larger keypad buttons for system reset and silence

- Initiate and end fire drills with a single key press
- View current status by alarms, supervisories, or troubles
- On-board piezo sounder audibly indicates alarms, troubles, and supervisories

- Five Status LEDs for; alarms, supervisory, trouble, silence and AC power indications
- Available in red or gray color
- UL listed, complies with NFPA 72
- Accepts user codes or fire fighter's key

- Support for simultaneous use of multiple RA-1000s
- Wiring lengths up to 6000 ft. from the FACP (depending on wire gauge and number of devices on SBUS)

RA-1000 Technical Specifications

IFP-2100 FACP

RA-1000   RA-1000   RA-1000
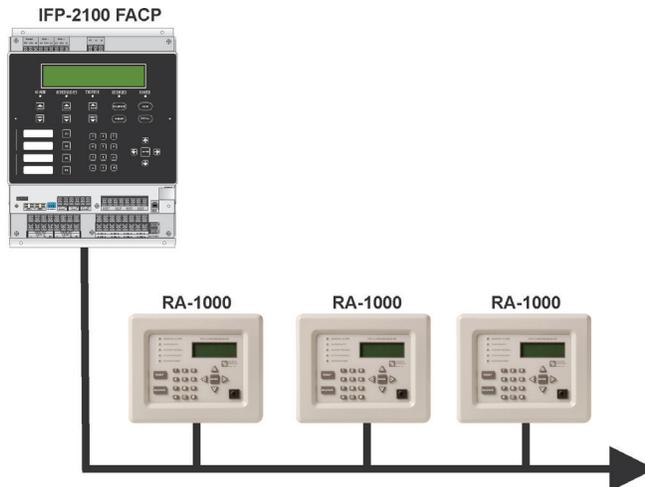
- Up to 31 RA-1000s per system for IFP-2100 or IFP-2100ECS
- Up to 16 RA-1000s per system for IFP-300/ECS
- Up to 12 RA-1000s per system for IFP-1000, IFP-1000ECS, IFP-100 & IFP-100ECS
- Up to 8 RA-1000s per system for IFP-50 or IFP-75

- 80-character backlit LCD display (4 lines with 20 characters each)
- Wiring lengths up to 6000 ft. from the control panel

SPECIFICATIONS

Dimensions: 9.1"W x 7.4"H x 1.5"D (23.1W x 18.8H x 3.8D cm)

ENVIRONMENTAL

Operating Temperature: 32°F to 120°F (0°C to 49°C)

Humidity: 10% to 93% relative humidity (non-condensing)

ELECTRICAL:

Operating Voltage: 24VDC

Standby Current: 20mA

Alarm Current: 25mA

Wiring Distance: 6,000 ft max. from FACP (depending on wire gauge and number of devices on the SBUS)

Max per System: IFP-50 or IFP-75 (8); IFP-100/ECS or IFP-1000/ECS (12); IFP-300/ECS (16); IFP-2100/ECS (31)

ORDERING INFORMATION

RA-1000R: Remote Annunciator. Four line LCD annunciator with 20 characters per line. Red.

RA-1000: Remote Annunciator. Four line LCD annunciator with 20 characters per line. Gray.

OPTIONAL ACCESSORIES

5860TR: Red Trim Ring. For surface mounting.
5860TG: Gray Trim Ring. For surface mounting.

For more information

Learn more about Honeywell's Farenhyt Series and other products available by visiting www.farenhyt.com>

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THE POWER OF **CONNECTED**

Farenhyt IDP-PHOTO-W Series

Intelligent Plug-in Photoelectric Smoke Detectors

Honeywell's IDP-PHOTO-W Series intelligent plug-in smoke detectors are designed for both performance and aesthetics. A new modern, sleek, contemporary design and enhanced optical sensing chamber is engineered to sense smoke produced by a wide range of combustion sources in accordance with more stringent code standards.

The IDP-PHOTO-W Series detector sensitivity can be programmed in the control panel software. Sensitivity is continuously monitored and reported to the panel. Point ID capability allows each detector's address to be set with rotary, decimal address switches, providing exact detector location for selective maintenance when chamber contamination reaches an unacceptable level.

Dual electronic thermistors add 135°F (57°C) fixed temperature thermal sensing on the IDP-PHOTO-T. The IDP-PHOTO-R is a remote test capable detector for use with DNR Series duct detector housings

IDP-PHOTO-W in B300-6 base

FEATURES & BENEFITS

- New modern profile for improved aesthetics
- Stable communication technique with noise immunity
- Low standby current
- Two-wire SLC connection

- Optional remote, single- gang LED accessory
- Dual LED design provides 360° viewing angle
- Remote test feature from the panel
- Built-in functional test switch activated by external magnet

- Built-in tamper-resistant feature
- Sealed against back pressure
- Expanded color options
- SEMS screws for wiring of the separate base

- Optional relay, isolator, and sounder bases
- Plugs into separate base for ease of installation and maintenance

DETECTOR SPACING AND APPLICATIONS

Honeywell recommends spacing detectors in compliance with NFPA 72. In low airflow applications with smooth ceiling, space detectors 30 feet (9m). For specific information regarding detector spacing, placement, and special applications refer to NFPA 72. System Smoke Detector Application Guide, document A05-1003, is available at systemsensor.com

INSTALLATION

The IDP-PHOTO-W Series plug-in detectors use a separate base to simplify installation, service, and maintenance. Installation instructions are shipped with each detector.

Mount base (all base types) on an electrical backbox which is at least 1.5" (3.81 cm) deep.

NOTE:

• Because of the inherent supervision provided by the SLC loop, end-of-line resistors are not required. Wiring "T-taps" or branches are permitted for Style 4 (Class "B") wiring.

• When using relay or sounder bases, consult the installation sheet for device limitations between isolator modules and isolator bases.

ORDERING INFORMATION

NOTE: Detectors must be mounted to one of the Intelligent Bases listed below

IDP-PHOTO-W: White, low-profile intelligent photoelectric sensor.

IDP-PHOTO-IV: Ivory, low-profile intelligent photoelectric sensor.

IDP-PHOTO-T-W: White, same as the IDP-PHOTO-W, but includes a built-in 135°F (57°C) fixed-temperature thermal device.

IDP-PHOTO-T-IV: Same as IDP-PHOTO-T but in Ivory.

IDP-PHOTO-R-W: White, low-profile intelligent photoelectric sensor, remote test capable. For use with DNR/DNRW..

IDP-PHOTO-R-IV: Ivory, low-profile intelligent photoelectric sensor, remote test capable. For use with DNR/DNRW.

INTELLIGENT BASES

B300-6: White, standard flanged low-profile mounting base.

B300-6-BP: Bulk pack of B300-6, package contains 10.

B300-6-IV: Ivory, standard flanged low-profile mounting base.

B501-WHITE: White, standard European flangeless mounting base. UL listed.

B501-BL: Black, standard European flangeless mounting base. UL listed.

B501-IV: Ivory, standard European flangeless mounting base. UL listed.

B200S-WH: White, Intelligent, programmable sounder base.

B200S-IV: Ivory, Intelligent, programmable sounder base.

B200SR-WH: White, Intelligent sounder base for retrofit applications.

B200SR-IV: Ivory, Intelligent sounder base for retrofit applications.

B200S-LF-WH: White, Low Frequency Intelligent, programmable sounder base.

B200S-LF-IV: Ivory, Low Frequency Intelligent, programmable sounder base.

B200SR-LF: White, Low Frequency Intelligent sounder base for retrofit applications.

B200SR-LF-IV: Ivory, Low Frequency Intelligent sounder base for retrofit applications.

B224RB-WH: White, plug-in System Sensor relay base.

B224RB-IV: Ivory, plug-in System Sensor relay base.

B224BI-WH: White, plug-in System Sensor isolator detector base.

B224BI-IV: Ivory, plug-in System Sensor isolator detector base.

ACCESSORIES

TR300: White, replacement flange for B210LP and B300-6 bases.

TR300-IV: Ivory, replacement flange for B210LP and B300-6 bases.

RA100Z: Remote LED annunciator. 3 – 32 VDC. Mounts to a U.S. single-gang electrical box. For use with B501 and B300(A)-6 bases only.

M02-04-00: Test magnet.

M02-09-00: Test magnet with telescoping handle.

CK300: White, detector color kit. Pack of 10.

CK300-IV: Ivory, detector color kit. Pack of 10.

CK300-BL: Black, detector color kit. Pack of 10.

Farenhyt IDP-PHOTO-W Series Technical Specifications

PHYSICAL

Height: 2.0" (51mm) installed in B300-6 base

Diameter: 6.2" (156mm) installed in B300-6 base 4.1" (104 mm) installed in B501 base

Weight: 3.4 oz (95 g)

ENVIRONMENTAL

Operating Temperature range:

Photo: 32°F to 122°F (0°C to 50°C)

Photo with Thermal: 32°F to 100°F (0°C to 38°C)

Thermal Ratings: Fixed Temperature Set point: 135°F (57°C)

Sensitivity: UL Applications: 0.5% to 4.0% per foot obscuration.

ELECTRICAL RATINGS

Voltage Range: 15 to 32VDC peak

Operating Current @ 24VDC: 200µA (one communication every 5 seconds with green LED blink on communication)

Maximum Current: 4.5mA @ 24VDC (one communication every 5 seconds with amber LED solid on).

COMPATIBILITY

The IDP-PHOTO-W series detectors are compatible with the following Farenhyt Series FACPs:

- IFP-2100 / IFP-2100ECS / RFP-2100
- IFP-2000 / IFP-2000ECS / RPS-2000
- IFP-1000 / IFP-1000ECS
- IFP-300 / IFP-300ECS
- IFP-100 / IFP-100ECS
- IFP-75
- IFP-50

AGENCY LISTINGS AND APPROVALS

For exact certification listings for each model, please reference the respective agency Web site.

UL listed: S6173

FM approved

CSFM: 7272-0559:0512

For a complete listing of all compliance approvals and certifications, please visit www.farenhyt.com.

For Technical Support, Please call 800-446-6444.

For more information

Learn more about Honeywell's Farenhyt Series and other products available by visiting www.farenhyt.com

Honeywell Farenhyt

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Honeywell

Addressable Single Action and Dual Action Pull Stations

IDP-Pull-SA & IDP-Pull-DA

The IDP-Pull-SA is a single action pull station requiring only one motion to activate the station. The IDP-Pull-DA is a dual action pull station requiring two motions to active the station. Both pull stations are designed to work with Honeywell Farenhyt series fire alarm control panels (FACPs).

Installation

The IDP-Pull-SA and IDP-Pull-DA can be surface mounted to an SB-I/O surface back box or semi-flush mounted on a standard single-gang with a minimum depth of 2.13"(5.40 cm) or double gang or 4" (10.61 cm) square electrical box. You can also use the optional (System Sensor® PN BG-TR) trim ring if the station is being semi-flush mounted.

Compatibility

The IDP-Pull-SA and IDP-Pull-DA are compatible with the following Farenhyt Series FACPs:

- IFP-2100 / IFP-2100ECS / RFP-2100
- IFP-2000 / IFP-2000ECS / RPS-2000
- IFP-1000 / IFP-1000ECS
- IFP-300 / IFP-300ECS
- IFP-100 / IFP-100ECS
- IFP-75
- IFP-50
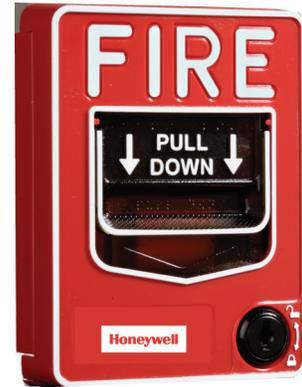
IDP-PULL-SA
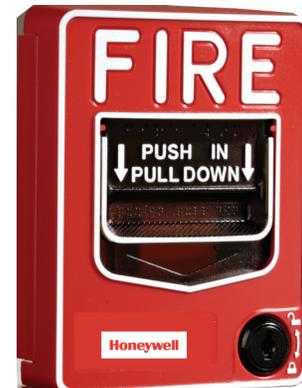
IDP-PULL-DA

FEATURES & BENEFITS

- Installer can open station without causing an alarm condition
- Dual-color LED is visible through handle of station blinks green to indicate normal operation and remains steady red in an alarm condition

- Key operated test and reset lock using lock plate actuator
- Key matches compatible FACP locks
- Meets ADA requirement for 5 lbs maximum pull force to active

- Meets the Americans with Disabilities Act Accessibility Guidelines (ADAAG) controls and operating mechanisms guidelines (Section 4.1.3[13])
- Shell, door, and handle molded from durable LEXAN®

- Reliable analog communications for trouble-free operation
- Braille text on station handle
- Rotary address switches for fast installation

- Handle latches in down position and the word Activated appears, clearly indicating the station has been pulled
- UL Listed, including UL 38, Standard of Manually Actuated Signaling System
- CSFM Listed
- MEA Listed

IDP-Pull-SA and IDP-PUll-DA Technical Specifications

Class A

IN
SLC
OUT

Class B

Compatible FACP

Class A Wiring: ....
Class B Wiring: ————
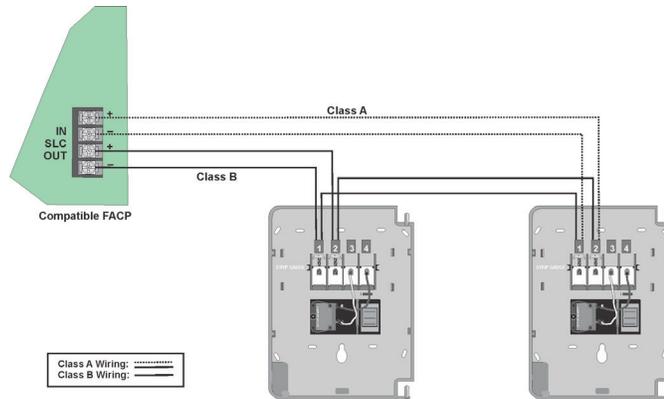
Wiring IDP-Pull-SA & IDP-Pull-DA Pull Stations

SPECIFICATIONS*

Physical: 5.5" H x 4" D (14cm x 10.2cm)

Shipping Weight: 5.4oz

Housing Material: LEXAN polycarbonate resin

Bi-Colored LED:

  Blinking Green: Normal

  Steady Red: Alarm

Switch: Single pole, single throw (SPST) normally open (N/O) switch which closes upon activation of the pull station

ELECTRICAL RATINGS

Operating Voltage: 15 – 32VDC

SLC Standby and Alarm Current: 350µA

Wire Gauge: Up to 12AWG (3.1 mm2)

ENVIRONMENTAL

Operating Temperature: 32º-120ºF (0ºC – 49ºC)

Humidity: 10 to 93% non-condensing)

ORDERING INFORMATION

IDP-Pull-SA: Single Action Pull Station

IDP-Pull-DA: Dual Action Pull Station

ACCESSORIES

BG-TR: Optional trim ring.

SB-I/O: Surface backbox, indoor/outdoor.

* Unless otherwise noted, specifications apply to IDP-Pull-SA and IDP-Pull-DA

For more information

Learn more about Honeywell's Farenhyt Series and other products available by visiting www.farenhyt.com

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Farenhyt IDP-HEAT-W Series

Intelligent Thermal (Heat) Detector

Honeywell IDP-HEAT-W Series intelligent thermal detectors are designed for both performance and aesthetics. A new modern, sleek, contemporary design and advanced thermal technologies make the IDP-HEAT-W Series ideal for both system operation and building design.

The point ID address, set using rotary decimal switches, provide specific detector locations. The series includes a 135°F/57°C fixed temperature, rate-of-rise and a 190°F/88°C fixed high-temperature detectors. These thermal detectors provide effective, intelligent property protection in a variety of applications.

IDP-HEAT-W In B300-6 base

FEATURES & BENEFITS

- Sleek and stylish contemporary design
- Advanced thermal technology for fast response
- Fixed temperature model (SK-HEAT-W) factory preset to 135°F (57°C)
- Rate-of-rise model (IDP-HEAT-W-ROR), 15°F (8.3°C) per minute

- High temperature model (IDP-HEAT-W-HT) factory preset to 190°F (88°C)
- Addressable by device
- Two-wire SLC connection
- Visible LEDs "blink" every time the unit is addressed
- Built-in tamper-resistant feature

- 360°-field viewing angle of the visual alarm indicators (two bi-color LEDs). LEDs blink green in Normal condition and turn on steady red in Alarm.
- Integral communications and built-in device-type identification
- Remote test feature from the panel

- Built-in functional test switch activated by external magnet
- Walk test with address display (an address of 121 will blink the detector LED 12-(pause)-1)
- Low standby current
- Designed for directsurface or electrical box mounting

- Sealed against back pressure
- Plugs into separate base for ease of installation and maintenance
- SEMS screws for wiring of the separate base
- Optional remote, single- gang LED accessory

APPLICATIONS

Use thermal detectors for protection of property. For further information, refer to manual I56-6541, Applications Manual for System Smoke Detectors, which provides detailed information on detector spacing, placement, zoning, wiring, and special applications.

INSTALLATION

The IDP-HEAT-W Series plug-in detectors use a separate base to simplify installation, service, and maintenance. Installation instructions are shipped with each detector.

Mount base (all base types) on an electrical backbox which is at least 1.5" (3.81 cm) deep.

NOTE:

• Because of the inherent supervision provided by the SLC loop, end-of-line resistors are not required. Wiring "T-taps" or branches are permitted for Style 4 (Class "B") wiring.

• When using relay or sounder bases, consult the installation sheet for device limitations between isolator modules and isolator bases.

ORDERING INFORMATION

Note: Detectors must be mounted to one of the Intelligent Bases listed below.

IDP-HEAT-W: White, low-profile intelligent 135°F fixed thermal sensor. Must be mounted to one of the bases listed below.

IDP-HEAT-IV: Ivory, low-profile intelligent 135°F fixed thermal sensor. Must be mounted to one of the bases listed below.

IDP-HEAT-ROR-W: White, low-profile intelligent rateof- rise thermal sensor. Must be mounted to one of the bases listed below.

IDP-HEAT-ROR-IV: Same as IDP-HEAT-ROR-W, but in Ivory.

IDP-HEAT-HT-W: White, low-profile intelligent 190°F fixed thermal sensor. Must be mounted to one of the bases listed below

IDP-HEAT-HT-IV: Ivory, low-profile intelligent 190°F thermal sensor. Must be mounted to one of the bases listed below.

INTELLIGENT BASES

B300-6: White, standard flanged low-profile mounting base.

B300-6-BP: Bulk pack of B300-6, package contains 10.

B300-6-IV: Ivory, standard flanged low-profile mounting base.

B501-WHITE: White, standard European flangeless mounting base. UL listed.

B501-BL: Black, standard European flangeless mounting base. UL listed.

B501-IV: Ivory, standard European flangeless mounting base. UL listed.

B200S-WH: White, Intelligent, programmable sounder base.

B200S-IV: Ivory, Intelligent, programmable sounder base.

B200SR-WH: White, Intelligent sounder base for retrofit applications.

B200SR-IV: Ivory, Intelligent sounder base for retrofit applications.

B200S-LF-WH: White, Low Frequency Intelligent, programmable sounder base.

B200S-LF-IV: Ivory, Low Frequency Intelligent, programmable sounder base.

B200SR-LF-WH: White, Low Frequency Intelligent sounder base for retrofit applications.

B200SR-LF-IV: Ivory, Low Frequency Intelligent sounder base for retrofit applications.

B224RB-WH: White, plug-in System Sensor relay base.

B224RB-IV: Ivory, plug-in System Sensor relay base.

B224BI-WH: White, plug-in System Sensor isolator detector base.

B224BI-IV: Ivory, plug-in System Sensor isolator detector base.

ACCESSORIES

TR300: White, replacement flange for B210LP and B300-6 bases.

TR300-IV: Ivory, replacement flange for B210LP and B300-6 bases.

RA100Z: Remote LED annunciator. 3 – 32 VDC. Mounts to a U.S. single-gang electrical box. For use with B501 and B300(A)-6 bases only.

M02-04-00: Test magnet.

M02-09-00: Test magnet with telescoping handle.

CK300: White, detector color kit. Pack of 10.

CK300-IV: Ivory, detector color kit. Pack of 10.

CK300-BL: Black, detector color kit. Pack of 10.

Farenhyt IDP-HEAT-W Series Technical Specifications

PHYSICAL

Height: 2.0" (51mm) installed in B300-6 base

Diameter: 6.2" (156mm) installed in B300-6 base 4.1" (104 mm) installed in B501 base

Weight: 3.4 oz (95 g)

ENVIRONMENTAL

Operating Temperature range:

Thermal 135° F fixed: -4°F to 100°F (-20°C to 38°C)

Thermal 135° F rate-of-rise: -4°F to 100°F (-20°C to 38°C)

Thermal 190° F rate-of-rise: -4°F to 135°F (-20°C to 57°C))

Humidity: 10% to 93% non-condensing

Rate-of-Rise Detection: Responds to greater than 15°F/minute or 135°F (8.3°C/minute or 57°C

ELECTRICAL RATINGS

Voltage Range: 15 to 32VDC

Standby Current (@ 24 VDC): 200UA (one communication every 5 seconds with green LED enabled)

Max Alarm Current (max.): 2mA @ 24VDC (one communication every 5 seconds with red LED enabled)

Max Current (max.): 4.5mA @ 24VDC (one communication every 5 seconds with amber LED enabled)

COMPATIBILITY

The IDP-HEAT-W series detectors are compatible with the following Farenhyt Series FACPs:

- IFP-2100 / IFP-2100ECS / RFP-2100
- IFP-2000 / IFP-2000ECS / RPS-2000
- IFP-1000 / IFP-1000ECS
- IFP-300 / IFP-300ECS
- IFP-100 / IFP-100ECS
- IFP-75
- IFP-50

AGENCY LISTINGS AND APPROVALS

For exact certification listings for each model, please reference the respective agency Web site.

UL listed: S2101

FM approved

CSFM: 7270-0559:0511

For more information

Learn more about Honeywell's Farenhyt Series and other products available by visiting www.farenhyt.com

Honeywell Farenhyt

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Honeywell

Addressable Monitor Module

IDP-Minimon

The IDP-Minimon is a compact and light weight addressable monitor module for use with Silent Knight IFP-series fire alarm control panels (FACPs). The IDP-Minimon acts as an interface to contact devices, such as waterflow switches and pull stations.

The IDP-Minimon supports Class B supervised wiring to the load device. Conventional 4-wire smoke detectors can be monitored for alarm and trouble conditions.

IDP-MINIMON

Installation

The IDP-Minimon can be mounted in a single gang junction box directly behind the monitored device. Its small size and light weight allow it to be installed without rigid mounting requirements.

The IDP-Minimon compatible with the following Farenhyt SeriesFACPs:

- IFP-2100 / IFP-2100ECS / RFP-2100

- IFP-2000 / IFP-2000ECS / RPS-2000

- IFP-1000 / IFP-1000ECS

- IFP-300 / IFP-300ECS

- IFP-100 / IFP-100ECS

- IFP-75

- IFP-50

FEATURES & BENEFITS

- Single contact monitor
- Small and lightweight size allows for flexible mounting options
- Support for Class B wiring
- Fully supervised
- Rotary address switches for fast installation

- Analog communications
- UL Approved
- CSFM Listed
- MEA Listed 457-99-E Vol. V

IDP-Minimon Technical Specifications
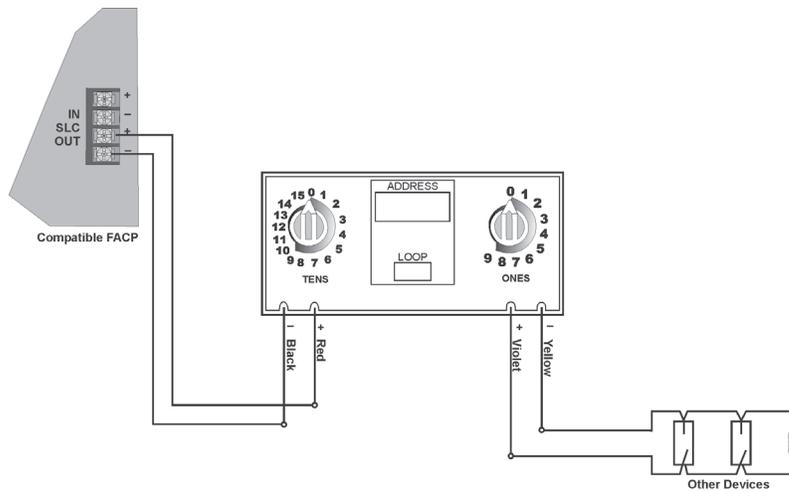
Wiring the IDP-Minimon

SPECIFICATIONS

Physical: 1.3" H x 2.8" W x .5" D (3.3 x 7x 1.3 cm)
Shipping Weight: 1.2oz (37 g)

ENVIRONMENTAL

Operating Temperature: 32°F - 120 °F (0°C - 49°C)
Humidity: 10 to 93% non-condensing)

ELECTRICAL RATINGS

Operating Voltage: 15 – 32VDC
SLC Standby and Alarm Current: 350µA
End-of-Line Resistance: 47K W
Initiating Device Circuit Wiring Resistance: 1,500W max
SLC Loop Resistance: 40W max.
Wire Length: 6" min.

ORDERING INFORMATION

IDP-Minimon: Minature Monitoring Module

For more information

Learn more about Honeywell's Farenhyt Series and other products available by visiting www.farenhyt.com

Honeywell Security & Fire

12 Clintonville Road
Northford, CT 06472
800-328-0103

Honeywell
THE POWER OF **CONNECTED**

Addressable Relay Module

IDP-Relay

The IDP-Relay is an addressable relay module for use with the Honeywell Farenhyt Series fire alarm control panels (FACPs).

The IDP-Relay allows a Farehyt FACP to switch discrete contacts by code command. The relay contains two isolated sets of Form C contacts, which operate as a DPDT switch. No supervision is provided for the notification appliance circuit.

The IDP-Relay contacts can be used for virtually any normally open or normally closed application. Each IDP-Relay is programmed with a unique signaling line circuit (SLC) loop address. When an event occurs that controls the IDP-Relay, the relay is triggered by the FACP.

Installation

The IDP-Relay mounts directly into a 4" square electrical box. The box must have a minimum depth of 2-1/8". A surface mount electrical box (System Sensor® PN SMB500) is available from Honeywell.

**IDP-RELAY**

Compatibility

The IDP-Relay is compatible with the following Farenhyt Series FACPs:

- IFP-2100 / IFP-2100ECS / RFP-2100
- IFP-2000 / IFP-2000ECS / RPS-2000
- IFP-1000 / IFP-1000ECS
- IFP-300 / IFP-300ECS
- IFP-100 / IFP-100ECS
- IFP-75
- IFP-50

FEATURES & BENEFITS

- Two sets of Form C contacts
- Contacts are rated for a variety of amps (see Specifications)
- Panel controlled status LED that flashes green in normal state and is solid red in alarm

- Relay programming is completely flexible– can be mapped to zone conditions
- Polling LED visible through the cover plate
- Attractive ivory cover plate
- Rotary address switches for fast installation

- SEMS screws for easy wiring
- UL Listed
- CSFM Listed
- MEA Listed 386-02-E Vol. II

IDP-Relay Technical Specifications

Typical Wiring for IDP-Relay Module

Diagram labels:
- TO NEXT DEVICE (−) (+)
- CONNECT MODULES TO LISTED COMPATIBLE CONTROL PANELS ONLY.
- (−) (+) FROM PANEL OR PREVIOUS DEVICE
- RELAY CONTROL MODULE
- TOP
- If any wiring to Terminals 4-10 is Nonpower limited, The CB500 barrier is required. The CB500 includes a Nonpower limited label, which must be placed over the Power Limited terminal information on the name plate label.
- Relay Common 2 — T10
- Normally Closed 2 — T9
- Normally Open 2 — T8
- Relay Common 1 — T7
- Normally Closed 1 — T6
- T11
- T1
- T2
- T3
- T4 Unused
- T5 Normally Open 1
- (−) (+)
- TENS ONES
- LOOP ADDRESS
- *NOTE: ANY FAULT IN THE POWER SUPPLY IS LIMITED TO THAT ZONE AND DOES NOT RESULT IN A FAULT IN A SEPARATE ZONE.

SPECIFICATIONS*
Physical: 4.275" H x 4".675 W x 1.4 D
Shipping Weight: 6.3oz (196g)

ELECTRICAL RATINGS
Operating Voltage: 15 to 32VDC
Standby Current: 300μA max @ 24VDC (one communication every 5 sec. with LED enabled)
LED Current: 5.5 mA (with LED latched on)
Relay Contact Ratings:
  2.0A @ 25VAC (PF=.35), non-coded
  3.0A @ 30VDC resistive, non-coded
  2.0A @ 30VDC resistive, coded
  0.46A @ 30VDC (L/R=20ms), non-coded
  0.7A @ 70.7VAC (PF=.35), non-coded
  0.9A @ 125VDC resistive, non-coded
  0.5A @ 125VAC (PF=.75), non-coded
  0.3A @ 125VAC (PF=.35), non-coded

ENVIRONMENTAL
Operating Temperature: 32°-120°F (0°C – 49°C)
Humidity: 10 to 93% non-condensing)

ORDERING INFORMATION
IDP-Relay: Relay Module

ACCESSORIES
SMB500: 4" Square Surface Mount Electrical Box
CB500: Module Barrier. Used to separate power limited and non-power limited wiring in a junction box.

For more information
Learn more about Honeywell's Farenhyt Series and other products available by visiting www.farenhyt.com

Honeywell Security & Fire
12 Clintonville Road
Northford, CT 06472
800-328-0103

Honeywell
THE POWER OF **CONNECTED**

Indoor Selectable Output Strobes, and Horn Strobes for Ceiling Applications

The System Sensor L-Series, offers the most versatile and easy-to-use line of horns, strobes, and horn strobes in the industry with lower current draws and modern aesthetics. With white and red plastic housings, wall and ceiling mounting options, System Sensor L-Series can meet virtually any application requirement.

The entire L-Series product line of ceiling-mount strobes and horn strobes include a variety of features that increase their application versatility while simplifying installation. All devices feature a plug-in design with minimal intrusion into the back box, making installations fast and foolproof while virtually eliminating costly and time consuming ground faults.

To further simplify installation, the L-Series utilizes a universal mounting plate so installers can mount them to a wide array of back boxes. With an onboard shorting spring, installers can test wiring continuity before the device is installed.

Installers can also easily adapt devices to a suit a wide range of application requirements using field-selectable candela settings, automatic selection of 12- or 24-volt operation, and a rotary switch for horn tones with two volume selections.

SYSTEM SENSOR L-SERIES AUDIBLE VISIBLE NOTIFICATION PRODUCTS ARE RICH WITH FEATURES GUARANTEED TO CUT INSTALLATION TIMES AND MAXIMIZE PROFITS WITH LOWER CURRENT DRAW AND MODERN AESTHETICS.

Agency Listings

SIGNALING
UL LISTED

FM APPROVED

CSFM (pending)

FEATURES & BENEFITS

- Plug-in design with minimal intrusion into the back box
- Tamper-resistant construction
- Rotary switch for horn tone and two volume selections
- Tamper-resistant construction

- Universal mounting plate for ceiling units
- Horn rated at 88+ dBA at 16 volts
- Rotary switch for horn tone and two volume selections
- Automatic selection of 12- or 24-volt operation at 15 and 30 candela

- Field-selectable candela settings on ceiling units: 15, 30, 75, 95, 115, 150, 177
- Mounting plate shorting spring feature checks wiring continuity before device installation
- Electrically Compatible with legacy SpectrAlert and SpectrAlert Advance devices

- Compatible with MDL3 sync module
- Listed for ceiling mounting only

L-Series Specifications

GENERAL

L-Series ceiling-mount strobes and horn strobes shall mount to a standard 4 × 4 × 1½-inch back box, 4-inch octagon back box, or doublegang back box. Two-wire products shall also mount to a single-gang 2 × 4 × 1 7/8-inch back box. A universal mounting plate shall be used for mounting ceiling and wall products. The notification appliance circuit wiring shall terminate at the universal mounting plate. Also, L-Series products, when used with the Sync•Circuit™ Module accessory, shall be powered from a non-coded notification appliance circuit output and shall operate on a nominal 12 or 24 volts. When used with the Sync•Circuit Module, 12-volt-rated notification appliance circuit outputs shall operate between 8.5 and 17.5 volts; 24-volt-rated notification appliance circuit outputs shall operate between 16.5 and 33 volts. Indoor L-Series products shall operate between 32 and 120 degrees Fahrenheit from a regulated DC or full-wave rectified unfiltered power supply. Ceiling strobes and horn strobes shall have field-selectable candela settings including 15, 30, 75, 95, 115, 150, and 177.

STROBE

The strobe shall be a System Sensor L-Series Model _____ listed to UL 1971 and shall be approved for fire protective service. The strobe shall be wired as a primary-signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system.

HORN STROBE COMBINATION

The horn strobe shall be a System Sensor L-Series Model _____ listed to UL 1971 and UL 464 and shall be approved for fire protective service. The horn strobe shall be wired as a primary-signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system. The horn shall have two audibility options and an option to switch between a temporal three pattern and a non-temporal (continuous) pattern. These options are set by a multiple position switch. The horn on horn strobe models shall operate on a coded or non-coded power supply.

SYNCHRONIZATION MODULE

The module shall be a System Sensor Sync•Circuit model MDL3 listed to UL 464 and shall be approved for fire protective service. The module shall synchronize SpectrAlert strobes at 1 Hz and horns at temporal three. Also, while operating the strobes, the module shall silence the horns on horn strobe models over a single pair of wires. The module shall mount to a 4 11/16 × 4 11/16 × 2 1/8-inch back box. The module shall also control two Style Y (class B) circuits or one Style Z (class A) circuit. The module shall synchronize multiple zones. Daisy chaining two or more synchronization modules together will synchronize all the zones they control. The module shall not operate on a coded power supply.

Physical/Electrical Specifications

Standard Operating Temperature	32°F to 120°F (0°C to 49°C)
Humidity Range	10 to 93% non-condensing
Strobe Flash Rate	1 flash per second
Nominal Voltage	Regulated 12 DC or regulated 24 DC/FWR1
Operating Voltage Range[2]	8 to 17.5 V (12 V nominal) or 16 to 33 V (24 V nominal)
Operating Voltage Range MDL3 Sync Module	8.5 to 17.5 V (12 V nominal) or 16.5 to 33 V (24 V nominal)
Input Terminal Wire Gauge	12 to 18 AWG
Ceiling-Mount Dimensions (including lens)	6.8" diameter × 2.5" high (173 mm diameter × 64 mm high)
Ceiling-Mount Surface Mount Back Box Skirt Dimensions (SBBCR, SBBCW)	6.9" diameter x 3.4" high (175 mm diameter x 86 mm high)

Notes:

1. Full Wave Rectified (FWR) voltage is a non-regulated, time-varying power source that is used on some power supply and panel outputs.

2. P, S, PC, and SC products will operate at 12 V nominal only for 15 and 30 cd..

UL CURRENT DRAW DATA

UL MAX STROBE CURRENT DRAW (MA RMS)

CANDELA	8–17.5 VOLTS	16–33 VOLTS	
	DC	DC	FWR
15	87	41	60
30	153	63	86
75	N/A	111	142
95	N/A	134	164
115	N/A	158	191
150	N/A	189	228
177	N/A	226	264

UL MAX CURRENT DRAW (MA RMS), 2-WIRE HORN STROBE

CANDELA	8VDC		16VDC						
	15	30	15	30	75	95	115	150	177
EM Temp Hi	103	167	71	90	143	165	187	217	254
EM Temp Low	96	165	54	71	137	161	185	211	249
EM Cont Hi	106	173	71	90	141	165	187	230	273
EM Cont Low	95	166	54	71	124	161	170	216	258
3.1K Temp Hi	111	164	69	94	147	163	184	229	257
3.1K Temp Low	103	163	54	88	143	155	185	212	252
3.1K Cont Hi	111	172	69	94	144	164	202	229	271
3.1K Cont Low	103	169	54	88	131	155	187	217	259

Candela	16FWR						
	15	30	75	95	115	150	177
EM Temp Hi	107	135	179	198	223	254	286
EM Temp Low	78	101	151	172	199	229	262
EM Cont Hi	107	135	179	198	223	254	286
EM Cont Low	78	101	151	172	199	229	262
3.1K Temp Hi	108	135	179	200	225	255	289
3.1K Temp Low	79	101	150	171	196	229	260
3.1K Cont Hi	108	135	179	200	225	255	289
3.1K Cont Low	79	101	150	171	196	229	260

HORN STROBE TONES AND SOUND OUTPUT DATA

HORN AND HORN STROBE OUTPUT (DBA)

Switch Poition	Sound Pattern	dB	8–17.5 Volts DC	16–33 Volts DC	FWR
1	Temporal	High	84	89	89
2	Temporal	Low	75	83	83
3	Non-Temporal	High	85	90	90
4	Non-Temporal	Low	76	84	84
5	3.1 KHz Temporal	High	83	88	88
6	3.1 KHz Temporal	Low	76	82	82
7	3.1 KHz Non-Temporal	High	84	89	89
8	3.1 KHz Non-Temporal	Low	77	83	83

SL-SERIES DIMENSIONS

Ø6.83
2.47
1.37
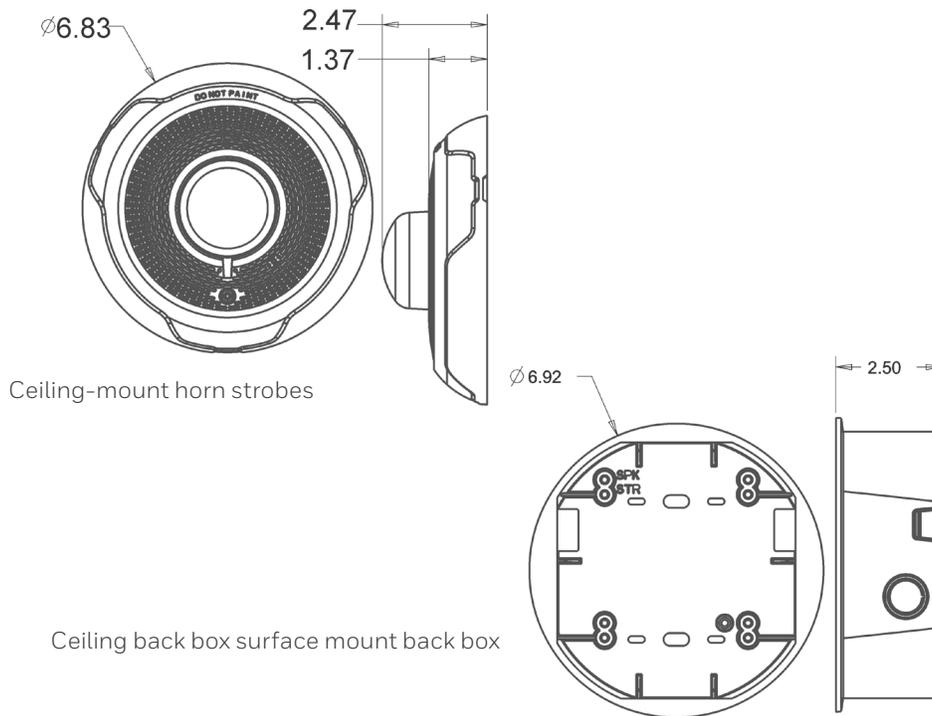
Ceiling-mount horn strobes

Ø 6.92

2.50

Ceiling back box surface mount back box

L-SERIES ORDERING INFORMATION

MODEL	DESCRIPTION
Ceiling Horn Strobes	
PC2RL	2-Wire, Horn Strobe, Red
PC2WL	2-Wire, Horn Strobe, White
Ceiling Strobes	
SCRL	Strobe, Red
SCWL	Strobe, White
SCWL-CLR-ALERT	Strobe, White, ALERT
Accessories	
TR-2	Universal Wall Trim Ring Red
TR-2W	Universal Wall Trim Ring White
SBBCRL	Ceiling Surface Mount Back Box, Red
SBBCWL	Ceiling Surface Mount Back Box, White

For a complete listing of all compliance approvals and certifications, please visit www.farenhyt.com.

For a complete listing of all supported bar code symbologies, please visit www.farenhyt.com.

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For Technical Support, Please call 800-446-6444.

For more information
www.farenhyt.com

Honeywell

Outdoor Selectable-Output Horns, Strobes, and Horn Strobes for Wall Applications

SpectrAlert® Advance outdoor audible visible products are rich with features that cut installation times and maximize profits.

Features

- Weatherproof per NEMA 4X, IP56

- Listed to UL 1638 (strobe) and UL 464 (horn)

- Compatible with System Sensor synchronization protocol and legacy SpectrAlert products

- Field-selectable candela settings: 15, 15/75, 30, 75, 95, 110, 115, 135, 150, 177, and 185

- Automatic selection of 12- or 24-volt operation at 15 and 15/75 candela

- Rotary switch for horn tone and three volume selections

- Horn rated at 88+ dBA at 16 volts

- Rated from –40°F to 151°F

- Universal mounting plate with an onboard shorting spring that tests wiring continuity before devices are installed

- Plug-in design with minimal intrusion into the back box

- Tamper-resistant construction

- Listed for ceiling or wall mounting

Agency Listings

SIGNALING

UL LISTED
S4011 (chimes, horn strobes, horns)
S3593 (outdoor and alert strobes)

FM APPROVED
3023572

MEA approved
MEA452-05-E

7300-1653:187 (outdoor strobes)
7125-1653:188 (horn strobes, chime strobes)
7135-1653:189 (horns, chimes)

SpectrAlert Advance offers the broadest line of outdoor horns, strobes, and horn strobes in the industry. With white or red plastic housings, wall or ceiling mounting options, and plain or FIRE-printed devices, SpectrAlert Advance can meet virtually any application requirement, including indoor, outdoor, wet, and dry applications in temperatures from –40°F to 151°F.

Like the entire SpectrAlert Advance line, outdoor horns, strobes, and horn strobes for wall applications include a variety of features that increase application flexibility and simplify installation. First, field-selectable settings, including candela, automatic selection of 12- or 24-volt operation, horn tones, and three volume options enable installers to easily adapt devices to meet requirements.

Next, SpectrAlert Advance devices use a universal mounting plate for both wall and ceiling applications. This mounting plate includes an onboard shorting spring that ensures wiring continuity before devices are installed, so installers can verify proper wiring without mounting the devices and exposing them to potential construction damage. Once the plates are mounted, all SpectrAlert Advance devices utilize a plug-in design with a single captured screw to speed installation and virtually eliminate costly ground faults.

Outdoor devices ship with weatherproof plastic back boxes (metal back boxes are available separately) that accommodate in-and-out wiring for daisy chaining devices. Plastic back boxes feature removable side flanges and improved resistance to saltwater corrosion. Knock-outs located on the back eliminate the need to drill holes for screw-in mounting. Plastic and metal weatherproof back boxes come with ¾-inch top and bottom conduit entries and ¾-inch knock-outs at the back. A screw-in NPT plug with an O-ring gasket for a watertight seal is included with each back box.

SpectrAlert Advance Outdoor Horn, Strobe, and Horn Strobe Specifications

Architect/Engineer Specifications

General

SpectrAlert Advance outdoor horns, strobes, and horn strobes shall mount to a weatherproof back box. A universal mounting plate shall be used for mounting ceiling and wall products. The notification appliance circuit wiring shall terminate at the universal mounting plate. Also, SpectrAlert Advance products, when used with the Sync•Circuit™ Module accessory, shall be powered from a non-coded notification appliance circuit output and shall operate on a nominal 12 or 24 volts. When used with the Sync•Circuit Module, 12-volt-rated notification appliance circuit outputs shall operate between 9 and 17.5 volts; 24-volt-rated notification appliance circuit outputs shall operate between 17 and 33 volts. Outdoor SpectrAlert Advance products shall operate between –40 and 151 degrees Fahrenheit from a regulated DC or full-wave rectified unfiltered power supply. Strobes and horn strobes shall have field-selectable candela settings including 15, 15/75, 30, 75, 95, 110, 115, 135, 150, 177, and 185.

Strobe

The strobe shall be a System Sensor SpectrAlert Advance Model _____ listed to UL 1971 and shall be approved for fire protective service. The strobe shall be wired as a primary-signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system. The strobe must be installed with its weatherproof back box in order to remain outdoor approved per UL. The strobe shall be suitable for use in wet environments.

Horn Strobe Combination

The horn strobe shall be a System Sensor SpectrAlert Advance Model _____ listed to UL 1971 and UL 464 and shall be approved for fire protective service. The horn strobe shall be wired as a primary-signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system. The horn shall have three audibility options and an option to switch between a temporal three pattern and a non-temporal (continuous) pattern. These options shall be set by a multiple position switch. On four-wire products, the strobe shall be powered independently of the sounder. The horn or horn strobe models shall operate on a coded or non-coded power supply. The horn strobe must be installed with its weatherproof back box in order to remain outdoor approved per UL. The horn strobe shall be suitable for use in wet environments.

Physical/Electrical Specifications	
Operating Temperature	–40°F to 151°F (–40°C to 66°C)
Strobe Flash Rate	1 flash per second
Nominal Voltage	Regulated 12 DC/FWR or regulated 24 DC/FWR[1]
Operating Voltage Range[2]	8 to 17.5 V (12 V nominal) or 16 to 33 V (24 V nominal)
Input Terminal Wire Gauge	12 to 18 AWG
Wall-Mount Dimensions (including lens)	5.6˝ L × 4.7˝ W × 2.5˝ D (142 mm L × 119 mm W × 64 mm D)
Horn Dimensions	5.6˝ L × 4.7˝ W × 1.3˝ D (142 mm L × 119 mm W × 33 mm D)
Wall-Mount Weatherproof Back Box Dimensions (SA-WBB)	5.7˝ L × 5.1˝ W × 2.0˝ D (145 mm L × 130 mm W × 51 mm D)

Notes:

1. Full Wave Rectified (FWR) voltage is a non-regulated, time-varying power source that is used on some power supply and panel outputs.
2. P, S, PC, and SC products will operate at 12 V nominal only for 15 and 15/75 cd.

UL Current Draw Data

UL Max. Strobe Current Draw (mA RMS)

		8–17.5 Volts		16–33 Volts	
	Candela	DC	FWR	DC	FWR
Standard Candela Range	15	123	128	66	71
	15/75	142	148	77	81
	30	NA	NA	94	96
	75	NA	NA	158	153
	95	NA	NA	181	176
	110	NA	NA	202	195
	115	NA	NA	210	205
High Candela Range	135	NA	NA	228	207
	150	NA	NA	246	220
	177	NA	NA	281	251
	185	NA	NA	286	258

UL Max. Horn Current Draw (mA RMS)

		8–17.5 Volts		16–33 Volts	
Sound Pattern	dB	DC	FWR	DC	FWR
Temporal	High	57	55	69	75
Temporal	Medium	44	49	58	69
Temporal	Low	38	44	44	48
Non-Temporal	High	57	56	69	75
Non-Temporal	Medium	42	50	60	69
Non-Temporal	Low	41	44	50	50
Coded	High	57	55	69	75
Coded	Medium	44	51	56	69
Coded	Low	40	46	52	50

UL Max. Current Draw (mA RMS), 2-Wire Horn Strobe, Standard Candela Range (15–115 cd)

	8–17.5 Volts		16–33 Volts						
DC Input	15	15/75	15	15/75	30	75	95	110	115
Temporal High	137	147	79	90	107	176	194	212	218
Temporal Medium	132	144	69	80	97	157	182	201	210
Temporal Low	132	143	66	77	93	154	179	198	207
Non-Temporal High	141	152	91	100	116	176	201	221	229
Non-Temporal Medium	133	145	75	85	102	163	187	207	216
Non-Temporal Low	131	144	68	79	96	156	182	201	210
FWR Input									
Temporal High	136	155	88	97	112	168	190	210	218
Temporal Medium	129	152	78	88	103	160	184	202	206
Temporal Low	129	151	76	86	101	160	184	194	201
Non-Temporal High	142	161	103	112	126	181	203	221	229
Non-Temporal Medium	134	155	85	95	110	166	189	208	216
Non-Temporal Low	132	154	80	90	105	161	184	202	211

UL Max. Current Draw (mA RMS), 2-Wire Horn Strobe, High Candela Range (135–185 cd)

	16–33 Volts					16–33 Volts			
DC Input	135	150	177	185	FWR Input	135	150	177	185
Temporal High	245	259	290	297	Temporal High	215	231	258	265
Temporal Medium	235	253	288	297	Temporal Medium	209	224	250	258
Temporal Low	232	251	282	292	Temporal Low	207	221	248	256
Non-Temporal High	255	270	303	309	Non-Temporal High	233	248	275	281
Non-Temporal Medium	242	259	293	299	Non-Temporal Medium	219	232	262	267
Non-Temporal Low	238	254	291	295	Non-Temporal Low	214	229	256	262

Candela Derating

For K series products used at low temperatures, listed candela ratings must be reduced in accordance with this table.

Strobe Output (cd)

Listed Candela	Candela rating at –40°F
15	
15/75	Do not use below 32°F
30	
75	44
95	70
110	110
115	115
135	135
150	150
177	177
185	185

Horn Tones and Sound Output Data

Horn and Horn Strobe Output (dBA)

Switch Position	Sound Pattern	dB	8–17.5 Volts		16–33 Volts		24-Volt Nominal			
							Reverberant		Anechoic	
			DC	FWR	DC	FWR	DC	FWR	DC	FWR
1	Temporal	High	78	78	84	84	88	88	99	98
2	Temporal	Medium	74	74	80	80	86	86	96	96
3	Temporal	Low	71	73	76	76	83	80	94	89
4	Non-Temporal	High	82	82	88	88	93	92	100	100
5	Non-Temporal	Medium	78	78	85	85	90	90	98	98
6	Non-Temporal	Low	75	75	81	81	88	84	96	92
7[†]	Coded	High	82	82	88	88	93	92	101	101
8[†]	Coded	Medium	78	78	85	85	90	90	97	98
9[†]	Coded	Low	75	75	81	81	88	85	96	92

[†]Settings 7, 8, and 9 are not available on 2-wire horn strobe.

AVDS01201

SpectrAlert Advance Diagrams

4.7″ | 2.5″ | 5.6″
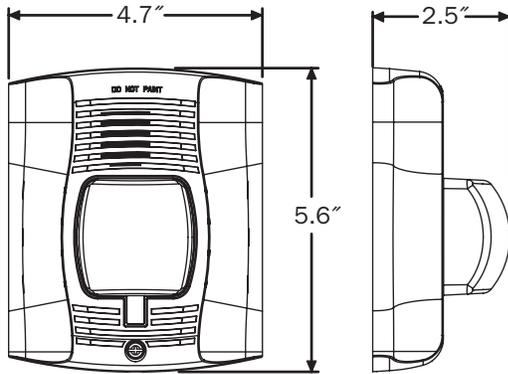
**Wall-Mount Horn Strobes**
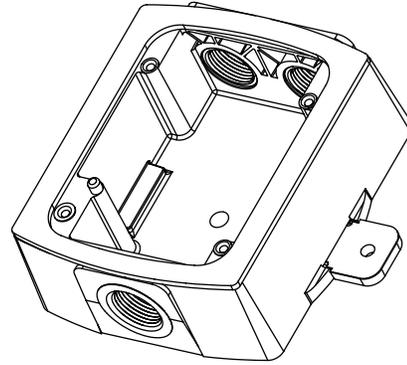
Wall Plastic Weatherproof Back Box
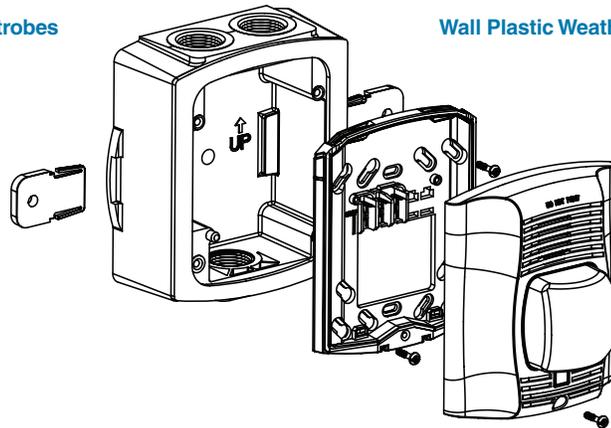
Wall-Mount Horn Strobe with Plastic Weatherproof Back Box

SpectrAlert Advance Ordering Information

Model	Description
Wall Horn Strobes	
P2RK*†	2-Wire Horn Strobe, Standard cd, Red, Outdoor (includes plastic weatherproof back box)
P2RHK*†	2-Wire Horn Strobe, High cd, Red, Outdoor (includes plastic weatherproof back box)
P2WK*†	2-Wire Horn Strobe, Standard cd, White, Outdoor (includes plastic weatherproof back box)
P2WHK*†	2-Wire Horn Strobe, High cd, White, Outdoor (includes plastic weatherproof back box)
P4RK†	4-Wire Horn Strobe, Standard cd, Red, Outdoor (includes plastic weatherproof back box)
P4WK	4-Wire Horn Strobe, Standard cd, White, Outdoor (includes plastic weatherproof back box)
P2RHK-120	2-Wire Horn Strobe, High cd, Red, Outdoor, 120 V (includes plastic weatherproof back box)
Wall Strobes	
SRK*†	Strobe, Standard cd, Red, Outdoor (includes plastic weatherproof back box)
SRHK*†	Strobe, High cd, Red, Outdoor (includes plastic weatherproof back box)
SWK*†	Strobe, Standard cd, White, Outdoor (includes plastic weatherproof back box)
SWHK*†	Strobe, High cd, White, Outdoor (includes plastic weatherproof back box)
Horns	
HRK†	Horn, Red, Outdoor (includes plastic weatherproof back box)
Accessories	
SA-WBB	Red, Metal Weatherproof Back Box
SA-WBBW	White, Metal Weatherproof Back Box

Notes:
* Add "-P" to model number for plain housing (no "FIRE" marking on cover), e.g., P2RK-P.
† Add "-R" to model number for weatherproof replacement device (no back box included), only for use with weatherproof outdoor flush mounting plate, WTP and WTPW. "Standard cd" refers to strobes that include 15, 15/75, 30, 75, 95, 110, and 115 candela settings. "High cd" refers to strobes that include 135, 150, 177, and 185 candela settings. **When replacing standard outdoor units both the device and back box must be replaced.**

- **Universal full event sole & dual path cellular &/or IP commercial fire alarm reporting from any panel brand, virtually anywhere**

- **Code-compliant, replaces 2POTs lines per FACP** saves thousands of dollars per year over the leased landlines

- **Supports 12V-24 control panels and FACPs that** communicate using Contact ID and 4/2 (such as on legacy panels), as primary or backup

- **Full data Reporting to any Central Station nationwide**, **via Verizon® LTE Network, "The Nations largest and most reliable LTE network.** Rated #1 overall network, proven to deliver consistently fast speeds ad i more places than any other network" ‡

- **Communicate critical life and safety alarm reports on LTE (Long Term Evolution) 10+ year life, cyber-protected multi-billion dollar cellular network**, for maximum life safety & liability protection

- **Easiest installation, powered by panel, NO extra power supply, NO conduit, self supervised on 4 wires**

- **Over-the-Air Upgradeable Communicator Firmware.** Remote ability for critical/mandatory updates, without a truck-roll

- **Cost-saving models and plans for any code requirement.** Substantial savings over monthly dedicated landline charges. And, $100 saving incentive for system upgrades from old radios (all makes) and old POTs landlines, as well as new installations

UL and NFPA 72 Fire Code-Compliant, the StarLink Series Wireless Commercial Fire Alarm Sole Path & Dual Path Communicators provide universal support for any brand 12V to 24V fire alarm control panel, reporting in Contact ID and 4/2. With broadest Verizon LTE coverage footprint available, via most extensively deployed LTE CAT1, using proven StarLink circuitry , they are also available in mercantile locking metal models. All provide the most economical solution for easy, versatile installation. Also regional compliances, i.e., CSFM, NYCFD, LAFD and more.

Easy, Universal Installation at Every Application; Panel-Powered Technology™. StarLink Fire Communications are easily connected to any panel or Fire Alarm Control Panel (FACP) standardly operating between 12V and 24V. Flexible in any application, StarLink Fire also comes in standard, or Mercantile Models in metal housings, with code-compliant supervision, and choice of power options, Panel-Powered Technology™ (powered by the panel), or direct-connect 120VAC models. **Signal Boost circuitry & dual diversity antennae** for maximum signal acquisition & null avoidance, receiving signals simultaneously on both antennae.

Flexible Performance & Reporting Options. StarLink Fire provides full data reporting, in sole and dual path, as a primary or backup, to any central station of your choice, without requiring any special equipment on premises. Ultra-affordable plans are available to meet various codes and requirements, with supervisory check-ins from 200 seconds, to 5 minutes, to an hour. The units are very easily activated, plans and options are selected, and 24/7 account management is provided all through www.napcocomnet.com.

Napco StarLink Universal Fire Alarm Communicators

- **Sole Path Cellular and Dual Path** Cellular &/or IP Models

- **Choice of plans** (varies by model) - check-ins from 200 seconds, to 5-minutes to 1 hour, Verizon LTE Network

- **Patented Signal Boost™ and Dual Diversity Antennae** for maximum signal acquisition & null avoidance, receiving signals simultaneously on both antennae

- **Money-saving Tradeup incentive credit**

- **Bonus: Full High-Speed Napco Panel remote uploading/ downloading**

- **COMPLIANCES:** NFPA72 Editions: 2016, 2013, 2010, 2007; UL 864, 9th Ed., UL1610, UL985, UL1023, NYCFD; CSFM; LAFD

connected by
verizon✓

Code-compliant standard or mercantile metal models (right and left, respectively) .

StarLink Fire Specifications

STANDARD MODELS:

- Advanced LTE Dual Diversity Antennae for optimized performance
- Durable ABS plastic housing includes three keyhole slots for mounting (for commercial application, aligns with triple gang boxes)
- Panel Powered Technology™ (powered by panel), Low current draw, 71mA standby, 200mA transmit
- Dimensions: 5-3/8"x 7-7/8"x 1-7/8" (HxWxD)
- Weight: 13.5 oz
- 3 LED Indicators - Green, Signal Strength; Amber- Busy/ Activation; Red-Trouble
- Patented Signal Boost™ signal amplification circuit and high-gain performance antennae
- Operating Environment: 0 to 49º C (32-120ºF), up to 93% humidity (non-condensing)
- 12V - 24V Universal FACP Support, auto-current sensing. Support all brands communicating in Contact ID and 4/2

MERCANTILE MODELS (similar to above, with):

- Locking Metal Enclosure with Hinged door & 2 key-slots for wall mounting (LED indicators, inside)
- Dimensions: 9-5/8"x 11-3/4" x 3-3/8"D (HxWxD)
- Weight: 8 lbs (max., power supply models)
- **Electrical Ratings for 120VAC, 60Hz**
- **For Models with Power Supply:**
  - Input Voltage: 120VAC Nominal
  - Input Current: 400mA maximum
  - Maximum Charging Current: 200mA
- **Electrical Ratings for +12V**
- **For Models without Power Supply:**
  - Input Voltage: 11-15VDC (power-limited output from listed control panel)
  - Input Current: 71mA with peak RF transmission current of 200mA
- **Electrical Ratings for the IN 1 Burg/Fire Input:**
  - Input Voltage: 9-15VDC
  - Maximum Input Current: Up to 2mA from FACP NAC circuit
- **Electrical Ratings for IN 2 and IN 3:**
  - Maximum Loop Voltage: 15VDC
  - Maximum Loop Current: 1.2mA
- **Electrical Ratings for 3 PGM Outputs:**
  - Open Collector Outputs: Maximum voltage 3V when active; 15V maximum when not active
  - Maximum PGM Sink Current: 50mA mount
- Operating Environment 0 to 49º C (32-120ºF), up to 93% humidity (non-condensing)
- 12V - 24V Universal FACP Support, auto-current sensing. Support all brands communicating in Contact ID and 4/2

Ordering Information

COMMERCIAL FIRE SOLE PATH CELLULAR & DUAL PATH CELLULAR &/OR IP ("I" MODELS):*

SLE-LTEVI-FIRE Dual Path Communicator, Cellular &/or IP, connected by Verizon LTE™, ABS. Low current draw, panel-powered technology™ (powered by control panel)

SLE-LTEV-FIRE as above, but sole path cellular model

SLELTEVI-CFB Commercial Fire Dual Path Mercantile model in red metal housing on LTE, Verizon LTE Network, powered directly from control panel

SLETEVI-CFB-PS Commercial Fire Dual Path Mercantile model in red metal housing, LTE, Verizon LTE Network. Direct 120VAC Powered (w/ provisions for backup battery/charger). Or, Optional TRF12 plug-in transformer may be used, where codes permit

ACCESSORIES:

Free Commercial Fire Tradeup Trifold Brochures / Mailers/Stuffers (A720) for new and existing fire accounts

SLE-ANTEXT75 Optional extended antenna with 75' cable (new conical shape)

SLE-ANTEXT50 As above, with 50' cable

SLE-ANTEXT30 As above, with 30' cable

SLE-DLEXT Optional, as above, for downloading, extends distance to Napco panel up to 100'

TRF12 Optional Plug in AC Transformer, 16.5V / 20VA (use is subject to local code compliance)

SLE-DLCBL Optional High-Speed Napco Panel Up/download cable

New! FireLink™ Integrated Fire Alarm Control Panel w/ StarLink Fire LTE Built In

Award Winning FL-FACP-LTEVS Firewolf 8 Zone 24V Conventional Commercial Fire Alarm Control Panel with onboard StarLink Fire® Sole Path, Verizon LTE Cellular Alarm Communicator and integral menu-driven LCD annunciator, w/ 4amp, 24V power supply. Optionally expandable up to 32 points/zones via commercial addressable, wireless or conventional fire devices (2 onboard NACs providing up to 4A notification power). Locking, mercantile red enclosure,(surface or flush mount*) removable 16"x17" door with 14.25"x16" base. Houses 16Ah battery backup

StarLink Fire
COMMERCIAL FIRE CELLULAR & IP

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