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Farenhyt™ Series

SpectraAlert® Advance

Selectable Output Notification Appliances

SpectrAlert® Advance selectable-output horns, strobes and horn/strobes are rich with features guaranteed to decrease installation times and maximize profits. The SpectrAlert Advance Series of notification appliances is designed to simplify your installations that offer the following features: plug-in designs, instant feedback messages to ensure correct installation of individual devices, and eleven field-selectable candela settings for wall and ceiling strobes and horn/strobes.

More specifically, when installing Advance products, first attach a universal mounting plate to a four-inch square, four-inch octagon, or double-gang junction box. The two-wire mounting plate attaches to a single-gang junction box.

Then, connect the notification appliance circuit wiring to the SEMS terminals on the mounting plate.

Finally, attach the horn, strobe, or horn/strobe to the mounting plate by inserting the product's tabs in the mounting plate's grooves. The device will rotate into position, locking the product's pins into the mounting plate's terminals. The device will temporarily hold in place with a catch until it is secured with a captured mounting screw.



INDOOR CEILING HORN/STROBE



OUTDOOR CEILING STROBE



INDOOR WALL HORN/ STROBE



INDOOR CEILING STROBE



INDOOR WALL HORN



OUTDOOR WALL STROBE

MODELS AVAILABLE:

- Indoor wall-mount: horn, strobe, 2-wire horn/strobe, 4-wire horn/strobe
- Indoor ceiling-mount: strobe, 2-wire horn/strobe, 4-wire horn/strobe
- Outdoor wall-mount: horn, strobe, 2-wire horn/strobe, 4-wire horn/strobe
- Outdoor ceiling-mount: strobe, 2-wire horn/strobe, 4-wire horn/strobe

FEATURES & BENEFITS

- Plug-in design and protective cover reduce ground faults
- Universal mounting plate for wall and ceiling units
- Shorting spring on mounting plate for continuity check before installation
- Field-selectable candela settings on wall and ceiling units: 15, 15/75, 30, 75, 95, 110, 115, 135, 150, 177, and 185.Uses an automatic selection of 12- or 24-volt operation at 15 and 30 candela
- Rotary switch for horn tone and three volume settings
- Offers speakers with both high fidelity and high volume sound output
- Compatible with System Sensor synchronization protocol
- Electrical compatibility with existing SpectrAlert products
- Designed with tamper-resistant construction
- Three volume selections and rotary switch for horn tone.
- Horn rated at 88+ dbA at 16 volts
- Outdoor products rated from –40°F and 151°F (–40°C and 66°C).
- Built with an updated modern design

ENGINEER SPECIFICATIONS

SpectrAlert Advance horns, strobes, and horn/strobes shall mount to a standard 4.0" x 4.0" x 1.5" (10.16 x 10.16 x 3.81 cm) backbox, 4.0" (10.16 cm) octagonal backbox, or a double-gang backbox. Two wire products shall also mount to a single-gang 2.0" x 4.0" x 1.875" (5.08 x 10.16 x 4.763 cm) backbox. 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 noncoded 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. Indoor SpectrAlert Advance products shall operate between 32°F and 120°F (0°C and 49°C) 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, 177,185.

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.

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 3 pattern and a Non-Temporal (continuous) pattern. These options are set by a multiple position switch. On four-wire products, the strobe shall be powered independently of the sounder. The horn on horn/strobe models shall operate on a coded or non-coded power supply.

OUTDOOR PRODUCTS

SpectrAlert Advance outdoor horns, strobes and horn/strobes shall be listed for outdoor use by UL and shall operate between –40°F and 151°F (–40°C and 66°C). The products shall be listed for use with a System Sensor outdoor/weatherproof backbox with half-inch and three-fourths-inch conduit entries.

SYNCHRONIZATION MODULE

The module shall be a System Sensor Sync•Circuit MDL3RA or MDL3WA 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 3. 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 4.688" x 4.688" x 2.125" (11.906 x 11.906 x 5.398 cm) backbox. 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

Ceiling-mount dimensions (including lens): 6.8" diameter x 2.5" deep (17.3 cm diameter x 6.4 cm deep)
Wall-mount dimensions (including lens): 5.6" H x 4.7" W x 2.5" D (14.2 cm H x 11.9 cm W x 6.4 cm D)
Horn dimensions: 5.6" H x 4.7" W x 1.3" D (14.2 cm H x 11.9 cm W x 3.3 cm D)

ELECTRICAL

Strobe flash rate: 1 flash per second.
Nominal voltage: regulated 12 VDC/FWR or regulated 24 VDC/FWR. NOTE: Full Wave Rectified (FWR) voltage is a non-regulated, time varying power source that is used on some power supply and panel outputs.
Operating voltage range: 8 V to 17.5 V (12 V nominal); or 16 V to 33 V (24 V nominal). NOTE: P, S, PC, and SC products will operate at 12 V nominal only for 15 cd and 15/75 cd.
Input terminal wire gauge: 12 to 18 AWG (3.31 to 0.821 mm²).

ENVIRONMENTAL

Standard Operating Temperature: 32°F to 120°F (0°C to 49°C). **K Series operating temperature**: –40°F to 151°F (–40°C to 66°C).
Humidity Range: 10 to 93% non-condensing (indoor products)

AGENCY LISTINGS AND APPROVALS

UL: Listed
FM: Approved
CSFM: Listed

UL MAX STROBE CURRENT DRAW (mA RMS)

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

HORN CURRENT DRAW, UL MAX (mA RMS)

SOUND PATTERN	dB	8-17.5V		16-33V	
		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

HORN AND HORN/STROBE ROTARY SWITCH SETTING

Setting	Repetition Rate	dB Level
1	Temporal horn	High
2	Temporal horn	Medium
3	Temporal horn	Low
4	Normal horn	High
5	Normal horn	Medium
6	Normal horn	Low
7*	Externally coded	High
8*	Externally coded	Medium
9*	Externally coded	Low
***NOTE:** Settings 7, 8, and 9 are not available on 2-wire horn/strobe		

HORN AND HORN/STROBE OUTPUT (dBA)

SETTING	SOUND PATTERN	DB	8-17.5V		16-33V	
			DC	FWR	DC	FWR
1	Temporal	High	78	78	84	84
2	Temporal	Medium	74	74	80	80
3	Temporal	Low	71	73	76	76
4	Non- Temporal	High	82	82	88	88
5	Non- Temporal	Medium	78	78	85	85
6	Non- Temporal	Low	75	75	81	81
7*	Coded	High	82	82	88	88
8*	Coded	Medium	78	78	85	85
9*	Coded	Low	75	75	81	81
***Note:** Settings 7, 8, and 9 are not available on 2-wire horn/strobe.						

TWO-WIRE HORN/STROBE, STANDARD CANDELA RANGE (15-115CD)

UL MAXIMUM CURRENT DRAW (mA RMS)

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

ORDERING INFORMATION

WALL HORN STROBES

P2R: 2-Wire horn/strobe, Standard cd, Red
P2RH: 2-Wire horn/strobe, High cd, Red
P2RK: 2-Wire horn/strobe, Standard cd,red outdoor
P2RHK: 2-Wire horn/strobe, High cd, red, outdoor
P2W: 2-Wire horn/strobe, Standard cd, White
P2WH: 2-Wire horn/strobe, High cd, White
P4R: 4: Wire horn/strobe, Standard cd, Red
P4RH: 4-Wire horn/strobe, High cd, Red
P4RK: 4-Wire horn/strobe, standard cd, red, outdoor
P4RHK: 4-Wire horn/strobe, High cd, red, outdoor
P4W: 4-Wire horn/strobe, Standard cd, White
P4WH: 4-Wire horn/strobe, high cd, white

WALL STROBES

SR: Strobe, Standard cd, Red
SRH: Strobe, High cd, Red
SRK: Strobe, standard cd, red
SRHK: Strobe, High cd, red, outdood
SW: Strobe, Standard cd, White
SWH: Strobe, High cd, White

CEILING HORN STROBES

PC2R: 2-Wire horn/strobe, Standard cd, Red
PC2RH: 2-Wire horn/strobe, High cd, Red
PC2W: 2-Wire horn/strobe, Standard cd, White
PC2WH: 2: Wire horn/strobe, High cd, White
PC2RK: 2-Wire horn/strobe, Standard cd, red, outdoor
PC2RHK: 2-Wire horn/strobe High cd, red, outdoor
PC4R: 4-Wire horn/strobe, Standard cd, Red
PC4RH: 4-Wire horn/strobe, High cd, Red
PC4W: 4-Wire horn/strobe, Standard cd, White

CEILING STROBES

SCR: Strobe, Standard cd, Red
SCRH: Strobe, High cd, Red
SCRK: Strobe, Standard cd, red, outdoor
SCRHK: Strobe, High cd, red, outdoor
SCW: Strobe, Standard cd, White
SCWH: Strobe, High cd, White

HORNS

HR: Horn, Red
HW: Horn, White
HRK: Horn, Red, outdoor

ACCESSORIES

BBS-2: Back Box Skirt, Wall, Red
BBSW-2: Back Box Skirt, Wall, White
BBSC-2: Back Box Skirt, Ceiling, Red
BBSCW-2: Back Box Skirt, Ceiling, White
SA-WBB: Weatherproof backbox, wall
TR-HS: Trim Ring, Wall, Red
TRW-HS: Trim Ring, Wall White
TRC-HS: Trim Ring, Ceiling, Red
TRCW-HS: Trim Ring, Ceiling, White

NOTE: "High cd" refers to strobes that include 135, 150, 177 and 185 candela settings. "Standard cd" refers to strobes that includes 15, 15/75, 30, 75, 95, 110, and 115 candela settings

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For more information

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

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This document is not intended to be used for installation purposes. We try to keep our product information up-to date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For Technical Support, call 800-446-6444.

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