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Description

The SpectrAlert Advance series of notification appliances is designed to simplify installations, with features such as plug-in designs, instant feedback messages to ensure correct installation of individual devices, and 11 field-selectable candela settings for wall and ceiling strobes and horn/strobes.

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.

Next, 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 unit it is secured with a captured mounting screw.

The SpectrAlert Advance series includes outdoor notification appliances. Outdoor strobes and horn/strobes (two-wire and four-wire) are available for wall or ceiling. Outdoor horns are available for wall only. All System Sensor outdoor products are rated between minus 40 degrees Fahrenheit and 151 degrees Fahrenheit in wet or dry applications.

Features

- Electrically compatible with existing SpectrAlert products
- Automatic selection of 12 or 24 volt operation at 15 and 15/75 candela
- Plug-in design
- Field selectable candela settings on wall and ceiling units: 15, 15/75, 30, 75, 95, 110, 115, 135, 150, 177, 185 also available
- Same mounting plate for



continuity - check before installation

- Tamper resistant construction
- Outdoor wall and ceiling products rated from -40 degrees F to 151 degrees F
- Design allows minimal intrusion into the backbox
- Horn rated at 88+ dBA at 16 volts
- Rotary switch for horn tone and three volume selections
- Outdoor products UL listed to UL 1638 (strobe) and UL 464 (horn) outdoor requirements
- Outdoor products rainproof per UL 50 (NEMA 3R)
- Compatible with MDL sync module

Ordering Information

Model Number	Part Number	Description
P2R	P2R	2-wire Horn/Strobe, Standard cd, Red
P2RK	P2RK	2-wire Horn/Strobe, Standard cd, Red, Outdoor
P2W	P2W	2-wire Horn/Strobe, Standard cd, White
P4R	P4R	4-wire, Horn/Strobe, Standard cd, Red
P4RK	P4RK	4-wire Horn/Strobe, Standard cd, Red, Outdoor
P4W	P4W	4-wire Horn/Strobe, Standard cd, White
SR	SR	Strobe, Standard cd, Red
SRK	SRK	Strobe, Standard cd, Red, Outdoor
SW	SW	Strobe, Standard cd, White
HR	HR	Horn, Red
HRK	HRK	Horn, Red, Outdoor
HW	HW	Horn, White
PC2R	PC2R	2-wire Horn/Strobe Standard cd, Red, Ceiling
PC2W	PC2W	2-wire Horn/Strobe Standard cd, White, Ceiling
PC2RK	PC2RK	2-wire Horn/Strobe Standard cd, Outdoor Ceiling Mount
P2RH	P2RH	2-wire Horn/Strobe, Hi cd, Red
P2WH	P2WH	2-wire Horn/Strobe, Hi cd, White



SpectrAlert

Selectable Output Horns, Strobes, and Horn/Strobes

UL Current Draw Data

UL Max. Strobe Current Draw (mA RMS)

	Candela	8-17.5 Volts		16-33 Volts	
		DC	FWR	DC	FWR
Standard	15*	123	128	66	71
Candela Range	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	135	NA	NA	228	207
Candela Range	150	NA	NA	246	220
	177	NA	NA	281	251
	185	NA	NA	286	258

UL Max. Horn Current Draw (mA RMS)

Sound Pattern	dB	8-17.5 Volts		16-33 Volts	
		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)

DC Input	8-17.5 Volts		16-33 Volts							
	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	96	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)

DC Input	16-33 Volts				FWR Input	16-33 Volts			
	135	150	177	185		135	150	177	185
Temporal High	137	259	290	297	Temporal High	215	231	258	265
Temporal Medium	132	253	288	297	Temporal Medium	209	224	250	258
Temporal Low	132	251	282	292	Temporal Low	207	221	248	256
Non-Temporal High	141	270	303	309	Non-Temporal High	233	248	275	281
Non-Temporal Medium	133	259	293	299	Non-Temporal Medium	219	232	262	267
Non-Temporal Low	131	254	291	295	Non-Temporal Low	214	229	256	262

Candela Derating

For K series products 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	Do not use below 32°F
15/75	
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

NOTICE: The information contained in this document is intended only as a summary and is subject to change without notice. The devices described in this document have specific instruction sheets which cover various technical, limitation and liability information. Copies of these instruction sheets and the General Product Warning and Limitations Document, which also contains important information are provided with the product and are available from Harrington Signal Inc. Fire Alarm. Information contained in these documents should be consulted before specifying or using the product. For further information or assistance concerning particular problems contact Harrington Signal Inc. Harrington Signal Inc. Fire Alarm reserves the right to change specifications without notice.