



## Selectable Output Horns, Strobes, and Horn Strobes

*System Sensor selectable output horns, strobes, and horn strobes are rich with features guaranteed to reduce installation times and maximize profits.*

### Features

- Mounting plate included for compatibility with a wide range of back box sizes
- Three field selectable candela settings: 15, 75, and 115
- Easy to use rotary dials for selection of candela and horn settings
- Built in synchronization feature keeps strobes in sync for up to 30 minutes
- Strobes Listed to UL 1638; Horns Listed to UL 464
- Horn settings on the horn strobe model include high and low volume, continuous or temporal 3 tone
- Round trim ring available for ceiling mount applications
- Universal Fire symbol is language independent
- Trim plate allows mini horn to mount to a variety of back boxes and fit aesthetically with the horn strobe and strobe

### Agency Listings



The System Sensor line of notification devices offers the most flexible and easy-to-use line of horns, strobes, and horn strobes in the industry. With white and red housing, universal fire symbol and a ceiling mount accessory available these devices can meet virtually any application. They also mount to a wide variety of back box sizes to offer the most flexibility in installation.

This line of devices features a wide variety of features that simplifies installations. The mounting plate allows the devices to be compatible with a wide range of back box sizes. Settings for the strobe and horn are done using easy to set rotary switches on the back of the device. Synchronization is achieved without the use of additional modules; when powered with a filtered DC source, the strobe portion is capable of self synchronization for 30 minutes per NFPA 72.

Three candela options are available for the strobe when it works on 24 volts or full wave rectified power. Only 15 candela is available for strobe when it works on 12 volts. On the horn strobe model, high and low volume are options for the horn as well as a continuous tone or temporal 3 output. The mini horn model has a continuous tone output and one volume setting.

Available accessories include a round trim ring to adapt the wall device for ceiling mount applications. Simply install the round ring over the square device for a perfect fit on the ceiling. An adapter plate is also available for the mini horn. It fits to a wider range of back boxes and fits with the family look of the horn strobe and strobe devices.

# System Sensor Specifications

## Architect/Engineer Specifications

### General

System Sensor strobe and horn strobes shall mount to a 2"x4", 4"x4", single-gang, double-gang, 4" Octagon, 105mm x 105mm, 65mm round, 86mm x 86 mm, 60mm x 60mm back box. System Sensor devices shall be powered from a non-coded notification appliance circuit output and shall operate on a nominal 12/24 volts. 12-volt-rated notification appliance circuit outputs shall operate between 8 and 17.5 volts. 24-volt-rated notification appliance circuit outputs shall operate between 17 and 33 volts. Devices operate between 32 and 120 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, 75 and 115 cd. When devices work on 12 volts, only 15 candela is available. The devices shall not operate on a coded power supply. Horn - strobe and strobe devices shall have built-in synchronization capability. Upon initial power up the devices shall be synchronized for up to 30 minutes.

### Strobe

The strobe shall be a System Sensor Model \_\_\_\_\_ listed to UL 1638 and shall be approved for fire protective service. The strobe shall be wired as a primary-signaling notification appliance 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 Model \_\_\_\_\_ listed to UL 1638 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.

### Mini Horn

The mini horn shall mount to a single-gang back box. With the accessory trim plate it shall mount to a 2" x 4", 4" x 4", single-gang, double-gang, 105mm x 150mm, 65mm round, 86mm x 86mm, 60mm x 60mm back box. The mini horn shall provide a continuous tone output.

## Physical/Electrical Specifications

<b>Standard Operating Temperature</b>	32°F to 120 °F (0°C to 49°C)
<b>Humidity Range</b>	10 to 93% non-condensing
<b>Strobe Flash Rate</b>	1 flash per second
<b>Nominal Voltage</b>	Regulated 24 DC/FWR <sup>1</sup> or regulated 12 DC/FWR <sup>#</sup>
<b>Operating Voltage Range</b>	16 to 33 V (24 V nominal); 8 to 17.5 V (12 V nominal)
<b>Input Terminal Wire Gauge</b>	14 to 18 AWG*
<b>Strobe And Horn Strobes Dimensions(including lens)</b>	5.15" L x 5.0" W x 1.5" D (131 mm L x 127mm W x 38mm D)
<b>Ceiling Trim ring Dimensions (sold as a pack of 5)</b>	6.8" dia / 1.5" depth (173 mm dia / 38mm depth)
<b>Mini Horn Dimensions</b>	4.6"L x 2.9" W x 0.45" D (117 mm L x 74 mm W x 11.5mm D)
<b>Mini Horn Trim Plate (sold as a pack of 5)</b>	5.1" L x 5.0" W x 1.73" D (131 mm L x 127 mm W x 43 mm D)

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

\* Mini horn is rated for 12 to 18 AWG

## UL Current Draw Data

HORN/STROBE CURRENT DRAW (mA)				
DC Input	16–33 Volts		8-17.5 Volts	
	15 cd	75 cd	115 cd	15 cd
Temporal High	48	80	98	63
Temporal Low	43	75	95	63
Continuous High	48	80	98	65
Continuous Low	43	75	95	63
FWR Input				
Temporal High	55	89	108	62
Temporal Low	50	84	103	62
Continuous High	55	89	108	65
Continuous Low	50	84	103	63

STROBE CURRENT DRAW (mA)						
	Switch Position	Candela	16–33 Volts		8–17.5 Volts	
			DC	FWR	DC	FWR
Standard Candela Range	Position 1	15	37	45	58	58
	Position 2	75	71	71	N/A	N/A
	Position 3	115	89	92	N/A	N/A

## Horn Tones and Sound Output Data

HORN OUTPUT (dBA) IN UL REVERBERANT ROOM														
Switch Postition	Sound Pattern	Volume	16–33 Volts †		24 V Nominal Measurements				8-17.5 Volts †		12V Nominal Measurements			
					Reverberant		Anechoic				Reverberant		Anechoic	
			DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR
1	Temporal	High	78	77	78	77	103	104	72*	71*	76	73*	88	85
2	Temporal	Low	74*	73*	74*	73*	100	101	70*	69*	72*	70*	86	83
3	Continuous	High	82	80	82	80	103	104	76	75	80	77	87	85
4	Continuous	Low	80	78	80	78	100	101	74*	72*	77	75	86	82

† Minimum dB rating for Operational Voltage Range as per UL 464.

\*For Private Mode use only.

## Mini Horn Sound Output Data (dBA)

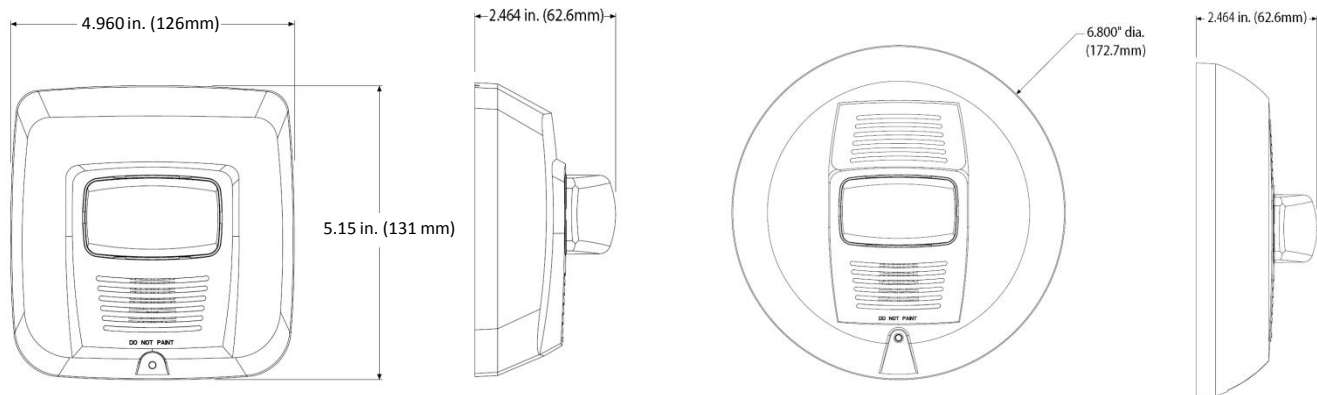
Tone	Power Supply	12V	24V
Continuous	DC	75	82
	FWR	75	80

## Mini Horn Current Draw (mA)

Tone	Power Supply	12V	24V
Continuous	DC	13	21
	FWR	13	22

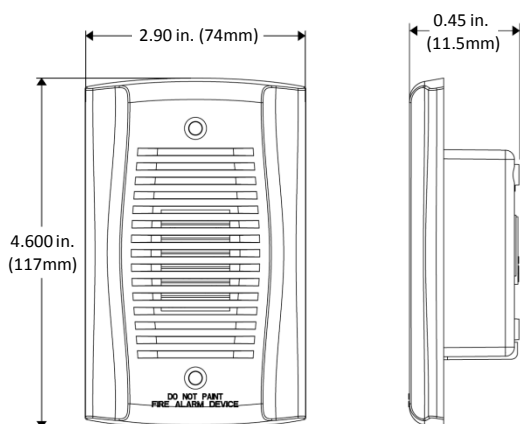
## Candela Settings

Rotary Switch Position	Candela Output - Clear lens	Candela Output - Red lens
1	15	3
2	75	16
3	115	25



Wall Mount Horn Strobe Product

Wall Mount Horn Strobe with Optional Ceiling Trim Ring



Mini Horn

Mini Horn with Optional Trim Plate

## System Sensor Ordering Information

Model	Type				Housing Color		Lens Color		Lettering		House on Fire Symbol
	Horn Strobe	Horn	Strobe	Trim Plate	Red	White	Red	Clear	Chinese	English	
SYS-HS	✓				✓			✓			✓
SYS-HS-FIRE*	✓				✓			✓		✓	✓
SYS-HSR	✓				✓		✓		✓		✓
SYS-HSR-FIRE	✓				✓		✓			✓	✓
SYS-HSW	✓					✓		✓			✓
SYS-HSRW	✓					✓	✓		✓	✓	
SYS-HSRW-FIRE	✓					✓	✓			✓	✓
SYS-ST			✓		✓			✓			✓
SYS-ST-FIRE*			✓		✓			✓		✓	✓
SYS-STR			✓		✓		✓		✓		✓
SYS-STR-FIRE			✓		✓		✓			✓	✓
SYS-STW			✓			✓		✓			✓
SYS-STW-FIRE*			✓			✓		✓		✓	✓
SYS-STRW			✓			✓	✓		✓	✓	
SYS-STRW-FIRE			✓			✓	✓			✓	✓
SYS-CTP				✓	✓						✓
SYS-CTPR				✓	✓				✓		✓
SYS-CTPR-FIRE				✓	✓					✓	✓
SYS-CTPW				✓		✓					✓
SYS-CTPRW				✓		✓			✓	✓	
SYS-CTPRW-FIRE				✓		✓				✓	✓
MHR1		✓			✓						
SYS-MHTP				✓	✓						

\*The marked models are only ordering model number. The model number on the product label, UL approval and instruction manual remains without "-FIRE"



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Product specifications subject to change without notice. Visit [systemsensor.com](http://systemsensor.com) for current product information, including the latest version of this data sheet.  
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REPORT

on

\* VISUAL SIGNAL APPLIANCES **FOR FIRE PROTECTIVE SIGNALING SYSTEMS**  
(UVAV)

System Sensor,  
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Honeywell International Inc  
St. Charles, IL

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## DESCRIPTION

## PRODUCT COVERED:

## Fire Alarm Equipment:

\* USL - Visual-Signal Appliance, Strobe-Two Wire type, Models SYS-ST, SYS-STR, **SYS-STR-FIRE**, **SYS-STW**, **SYS-STRW**, and **SYS-STRW-FIRE** intended for indoor use only.

## Fire Alarm Subassembly:

\* USL - Visual-Signal Appliance Accessory, Models SYS-CTP, **SYS-CTPR**, **SYS-CTPR-FIRE**, **SYS-CTPW**, **SYS-CTPRW**, and **SYS-CTPRW-FIRE** (Ceiling Trim Plate)

Unlisted Component - Type A6034-002, printed circuit board.

## ENGINEERING CONSIDERATIONS:

The products designated USL have been investigated using requirements contained in UL1638, fourth edition.

General - The SYS-ST and SYS-STR horn/strobes covered by this Report are remote strobes, which are intended to be connected to the alarm indicating circuit of a Listed panel. The only difference between the model SYS-ST and SYS-STR is that model SYS-STR employs a red lens. The Model SYS-ST and SYS-STR may be mounted on the wall or ceiling and is intended for indoor use only unless otherwise indicated.

Models SYS-ST and SYS-STR may be powered with DC or full wave rectified unfiltered supplies. Models SYS-ST and SYS-STR are Listed for 0°C to 49°C environments.

The SYS-ST and SYS-STR are identical except for the color of the lexan lens. Model SYS-ST employs a clear lens, and Model SYS-STR employs a red lens.

## Model Differences:

The model SYS-CTP is identical to the model SYS-CTPR except that the model SYS-CTPR is marked with the text "FIRE" in Chinese.

The models SYS-STR and SYS-CTPR are identical to models SYS-STR-FIRE and SYS-CTPR-FIRE except with different markings.

**The models SYS-STW and SYS-CTPW are identical to models SYS-ST and SYS-CTPR-FIRE except they have a white housing and different markings.**

**The models SYS-STRW and SYS-CTPRW are identical to models SYS-STR and SYS-CTPR-FIRE except they have a white housing and are marked with the text "FIRE" in Chinese.**

## CONCLUSION

Samples of the products covered by this Report have been found to comply with the requirements covering the category and the products are found to comply with UL's applicable requirements. The description and test results in this Report are only applicable to the sample(s) investigated by UL and does not signify the product(s) described as being covered under UL's Follow-Up Service Program. When covered under UL's Follow-Up Service Program, the manufacturer is authorized to use the UL Listing Mark on such products which comply with UL's Follow-Up Service Procedure and any other application requirements of Underwriters Laboratories Inc. The Listing Mark of Underwriters Laboratories Inc. on the product, or the UL symbol on the product and the Listing Mark on the smallest unit container in which the product is packaged, is the only method to identify products investigated by UL to published requirements and manufactured under UL's Listing and Follow-Up Service.

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## Outdoor Selectable-Output Horns, Strobes, and Horn Strobes

*SpectrAlert® Advance outdoor selectable-output horns, strobes, and horn strobes are rich with features that cut installation times and maximize profits.*



**SPECTRAlert**  
**ADVANCE**  
from System Sensor

### Features

- Automatic selection of 12- or 24-volt operation at 15 and 15/75 candela
- Field-selectable candela settings on wall and ceiling units: 15, 15/75, 30, 75, 95, 110, 115, 135, 150, 177, and 185
- Plug-in design with minimal intrusion into the back box
- Tamper-resistant construction
- Universal mounting plate for wall- and ceiling-mount units
- Mounting plate shorting spring tests wiring continuity before devices are installed
- Weatherproof per NEMA 4X, IP56
- Listed to UL 1638 (strobe) and UL 464 (horn)
- Rated from -40°F to 151°F
- Horn rated at 88+ dBA at 16 volts
- Rotary switch for horn tone and three volume selections
- Compatible with System Sensor synchronization protocol and legacy SpectrAlert products

**The SpectrAlert Advance** series offers the broadest line of outdoor horns, strobes, and horn strobes in the industry. With white and red plastic housings, wall and ceiling mounting options, and plain and FIRE-printed devices, SpectrAlert Advance can meet virtually any application requirement.

SpectrAlert Advance outdoor horns, strobes, and horn strobes can be used indoors or outdoors in wet or dry applications, and can provide reliable operation from -40°F to 151°F.

Like the entire SpectrAlert Advance product line, these devices include a variety of features that increase their application versatility while simplifying installation. All devices feature plug-in designs with minimal intrusion into the back box, which make installations fast and foolproof while virtually eliminating costly and time-consuming ground faults.

All horns, strobes, and horn strobes use a universal mounting plate with an onboard shorting spring that tests wiring continuity before the device is installed, protecting devices from damage. In addition, field-selectable candela settings, automatic selection of 12- or 24-volt operation, and a rotary switch for horn tones with three volume selections enables installers to easily adapt devices to suit a wide range of application requirements.

### Agency Listings



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



ME452-05-E



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



# 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 <sup>1</sup>
Operating Voltage Range <sup>2</sup>	8 to 17.5 V (12 V nominal) or 16 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)
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)
Ceiling-Mount Weatherproof Back Box Dimensions (SA-WBBC)	7.1" diameter × 2.0" high (180 mm diameter × 51 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 15/75 cd.

# UL Current Draw Data

UL Max. Strobe Current Draw (mA RMS)						UL Max. Horn Current Draw (mA RMS)					
	Candela	8–17.5 Volts		16–33 Volts		Sound Pattern	dB	8–17.5 Volts		16–33 Volts	
		DC	FWR	DC	FWR			DC	FWR	DC	FWR
Standard Candela Range	15	123	128	66	71	Temporal	High	57	55	69	75
	15/75	142	148	77	81	Temporal	Medium	44	49	58	69
	30	NA	NA	94	96	Temporal	Low	38	44	44	48
	75	NA	NA	158	153	Non-Temporal	High	57	56	69	75
	95	NA	NA	181	176	Non-Temporal	Medium	42	50	60	69
	110	NA	NA	202	195	Non-Temporal	Low	41	44	50	50
	115	NA	NA	210	205	Coded	High	57	55	69	75
High Candela Range	135	NA	NA	228	207	Coded	Medium	44	51	56	69
	150	NA	NA	246	220	Coded	Low	40	46	52	50
	177	NA	NA	281	251						
	185	NA	NA	286	258						

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		30	75	95	110	115	
	15	15/75	15	15/75						
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)										
DC Input	16–33 Volts				FWR Input	16–33 Volts				
	135	150	177	185		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.

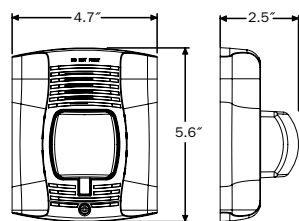
Strobe Output (cd)	
Listed Candela	Candela rating at –40°F
15	Do not use below 32°F
15/75	
30	
75	44
95	70
110	110
115	115
135	135
150	150
177	177
185	185

## Horn Tones and Sound Output Data

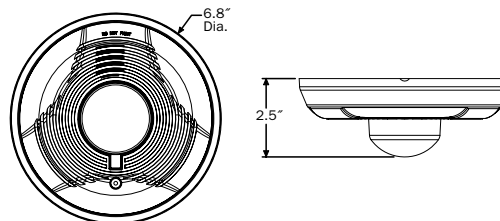
Horn and Horn Strobe Output (dBA)										
Switch Position	Sound Pattern	dB	8–17.5 Volts		16–33 Volts		24-Volt Nominal			
			DC	FWR	DC	FWR	Reverberant		Anechoic	
1	Temporal	High	78	78	84	84	88	88	99	98
2	Temporal	Medium	74	74	80	80	86	86	96	96
3	Temporal	Low	71	73	76	76	83	80	94	89
4	Non-Temporal	High	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.

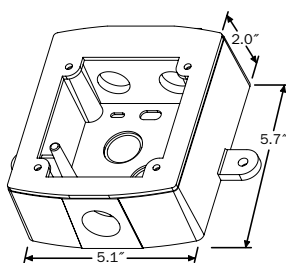
## SpectrAlert Advance Dimensions



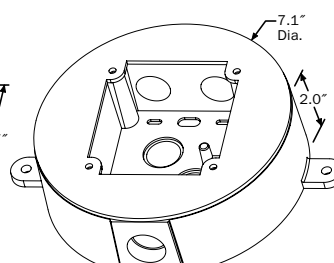
Wall-mount horn strobes



Ceiling-mount horn strobes



Wall weatherproof back box



Ceiling weatherproof back box

## SpectrAlert Advance Ordering Information

Model	Description
<b>Wall Horn Strobes</b>	
P2RK*†	2-Wire Horn Strobe, Standard cd, Red, Outdoor
P2RHK*†	2-Wire Horn Strobe, High cd, Red, Outdoor
P2WK*†	2-Wire Horn Strobe, Standard cd, White, Outdoor
P2WHK*†	2-Wire Horn Strobe, High cd, White, Outdoor
P4RK†	4-Wire Horn Strobe, Standard cd, Red, Outdoor
P4WK	4-Wire Horn Strobe, Standard cd, White, Outdoor
P2RHK-120	2-Wire Horn Strobe, High cd, Red, Outdoor, 120 V
<b>Wall Strobes</b>	
SRK*†	Strobe, Standard cd, Red, Outdoor
SRHK*†	Strobe, High cd, Red, Outdoor
SWK*†	Strobe, Standard cd, White, Outdoor
SWHK*†	Strobe, High cd, White, Outdoor

### 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.**

Model	Description
<b>Ceiling Horn Strobes</b>	
PC2RK	2-Wire Horn Strobe, Standard cd, Red, Outdoor
PC2RHK	2-Wire Horn Strobe, High cd, Red, Outdoor
PC2WK	2-Wire, Horn Strobe, Standard cd, White, Outdoor
PC2WHK	2-Wire, Horn Strobe High cd, White, Outdoor
PC4WK	4-Wire, Horn Strobe, Standard cd, White, Outdoor
PC4WHK	4-Wire, Horn Strobe, High cd, White, Outdoor
<b>Ceiling Strobes</b>	
SCRK	Strobe, Standard cd, Red, Outdoor
SCRHK	Strobe, High cd, Red, Outdoor
SCWK	Strobe, Standard cd, White, Outdoor
SCWHK	Strobe, High cd, White, Outdoor
<b>Horns</b>	
HRK	Horn, Red, Outdoor



3825 Ohio Avenue • St. Charles, IL 60174  
Phone: 800-SENSOR2 • Fax: 630-377-6495

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A05-0456-002 • 11/09 • #2255

# UVAV.S3593 - Visual-signal Appliances for Fire-protective Signaling Systems

## Visual-signal Appliances for Fire-protective Signaling Systems

See General Information for Visual-signal Appliances for Fire-protective Signaling Systems

### SYSTEM SENSOR UNINCORPORATED, DIV OF HONEYWELL INTERNATIONAL INC

S3593

3825 Ohio Ave

Saint Charles, IL 60174-5467 USA

**Speaker/strobe**, Model SP2R1224MCK. For outdoor use.

**Strobe lights**, Models RK121575ADA, -241575ADA, RP121575ADA, -241575ADA, SS121575ADA, -241575ADA, -241575ADAS. Intended for indoor use only.

Models S24RL, S2475RL, S2475RLZ may be followed by suffix W (white color). Intended for indoor use only, wall mount only. These models employ a red lens only.

**Horn/Strobes**, Models MASS121575ADA, -241575ADA, -241575ADAS, MAEH121575ADA, -241575ADA, -241575ADAS. For indoor use only. For wall mount only.

**Sounder/strobes**, Models P121575, P241575, PS121575ADA, PS241575ADA. May employ "W" suffix. For indoor wall mount only.

Model P12015K for indoor or outdoor use.

**Strobe lights, synchronous type**, Models SW-CLR-ALERT and SCW-CLR-ALERT for indoor use, mounted on the wall or ceiling.

Models SW-ALERT and SWH-ALERT, Amber lens strobe candela selections meet polar light output plot per UL 1971 Public Mode and Mass Notification/Emergency Evacuation per NFPA 72, for indoor use, mounted on the wall or ceiling.

Models S1224MCKA, S1224MCWKA, S1224MCKA-B, S1224MCWKA-B, S1224MCKA-F, S1224MCWKA-F. These strobes are intended for indoor use on a wall only. They may be used outdoors when employed in combination with Listed weatherproof back box Model BBX-4.

### SPECTRALERT ADVANCE SERIES STROBES:

**Models SRK**, SCRK, SWK, SCWK may employ suffix -SP or -PG, selectable candela (15, 15/75, 30, 75, 95, 110 and 115cd). May be mounted on the wall or on the ceiling.

Models SRHK, SCRHK, SWHK, SCWHK may employ suffix -SP or -PG, selectable candela (135, 150, 177 and 185cd). May be mounted on the wall or on the ceiling.

Models SBK, SBHK employ a blue housing, with the word Police pad printed on the housings, intended for outdoor use and may be mounted on the wall or ceiling.

Models with "K" suffix are suitable for indoor or outdoor use with an operating temperature range of -40 degrees F to 151 degrees F (-40 degrees C to 66 Degrees C) rating and are NEMA 3,3R and 4X rated only when used with the Listed Plastic model SA-WBB and SA-WBBW(wall) or the model Plastic SA-WBBC and SA-WBBCW (ceiling) weatherproof back boxes.

"K" suffix models may also employ the weatherproof plates in place of the weatherproof back boxes as follows: Models with "K" suffix are suitable for indoor or outdoor use with an operating temperature range of -40 degrees F to 151 degrees F (-40 degrees C to 66 degrees C) rating and are NEMA type 3R and IP22 rated only when used with the model WTP (Red) and WTPW (White) Weatherproof Plates which are suitable for wall or ceiling flush mounting. The weatherproof plates can be mounted and sealed to: brick, concrete, masonry brick, or ceramic tile surfaces.

### GLOBAL AV COMBO PRODUCT SERIES HORNS, STROBES AND COMBOS:

**General** - Models for indoor wall and ceiling mount only and for use with an operating temperature of 0°C to +49°C (32°F to +120°F). Models with "R" in the suffix implement a red strobe lens.

**Strobes** - Two-wire type, rectangular enclosure, Models SYS-ST, SYS-STR, SYS-STR-FIRE, SYS-STW, SYS-STRW, SYS-STRW-FIRE. Intended for indoor use mounted on the wall or ceiling.

**Visual signal appliance accessories, accessory retrofit trim plate**, Models RFP, RFPW. Optional with Models SW-ALERT, SW-CLR-ALERT, SWH-ALERT synchronous type strobe lights.

**Visual-Signal Appliance Accessories, Ceiling Trim Ring**, Models SYS-CTP, SYS-CTPR, SYS-CTPR-FIRE, SYS-CTPW, SYS-CTPRW, SYS-CTPRW-FIRE.

**Visual signal appliances, Amber lens strobe expander plate**, Model SEP-SW, when input: 8 - 17.5 VDC / VFWR, light output: 15, 15/75 candela, when input: 16 - 33 VDC / VFWR, light output: 15, 15/75, 30, 75, 95, 110 and 115 candela, mounted on the wall or on the ceiling, intended for indoor use only. Amber lens strobe candela selections meet polar light output plot per UL 1971 Public Mode and Mass Notification/Emergency Evacuation per NFPA 72, when wall mounted only.

**Visual signal appliances, Clear lens strobe expander plate**, Model SEP-SW-P, when input: 8 - 17.5 VDC / VFWR, light output: 15, 15/75 candela, when input: 16 - 33 VDC / VFWR, light output: 15, 15/75, 30, 75, 95, 110 and 115 candela, mounted on the wall or on the ceiling, intended for indoor use only. Clear lens strobe candela selections meet polar light output plot per UL 1971 Public Mode and Mass Notification/Emergency Evacuation per NFPA 72, when wall mounted only.

\*Models SEP-SW and SEP-SW-P are compatible and may be utilized with Listed Models SW, SR, SWH, SRH with or without -P or -CLR, -ALERT suffixes and may be utilized with Listed Models HW, HR, CHW, CHR, CHSW, CHSR, P2W, P2R, P2WH, P2RH with or without -P suffix for Strobe Notification Appliances.

**Visual signal appliance accessories**, Model SEP-BBSW back box expander plate skirt, intended for use with Model SEP-SW amber lens strobe expander plate, mounted on a wall or ceiling.

**Audible and visual signal appliance, Amber lens strobe/horn strobe expander plate**, Model SEP-SPSW, when input: 8 - 17.5 VDC / VFWR, light output: 15, 15/75 candela, when input: 16 - 33 VDC / VFWR, light output: 15, 15/75, 30, 75, 95, 110 and 115 candela, mounted on the wall or on the ceiling, intended for indoor use only. Amber lens strobe candela selections meet polar light output plot per UL 1971 Public Mode and Mass Notification/Emergency Evacuation per NFPA 72, when wall mounted only.

**Audible and visual signal appliance, Clear lens strobe/horn strobe expander plate**, Model SEP-SPSW-P, when input: 8 - 17.5 VDC / VFWR, light output: 15, 15/75 candela, when input: 16 - 33 VDC / VFWR, light output: 15, 15/75, 30, 75, 95, 110 and 115 candela, mounted on the wall or on the ceiling, intended for indoor use only. Clear lens strobe candela selections meet polar light output plot per UL 1971 Public Mode and Mass Notification/Emergency Evacuation per NFPA 72, when wall mounted only.

\*Models SEP-SPSW and SEP-SPSW-P are compatible and may be utilized with Listed Models SPW, SPR, SPWV, SPRV, SPSW, SPSWRW, SPSWH, SPSRH, SPSWV, SPSRV, SPSWVH, SPSRVH with or without -P or -CLR, -ALERT suffixes for Speaker-Strobe Notification Appliances.

**Audible and visual signal appliance accessories**, Model SPSEP-BBSW back box expander plate skirt, intended for use with Model SEP-SPSW amber lens strobe/horn strobe expander plate, mounted on a wall or ceiling.

Last Updated on 2015-08-24

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**A . Commercial Complexes / Shopping Centres**

- 1 . Amtech Building, 159 Sin Ming Road
- 2 . Apollo Centre, 2 Havelock Road
- 3 . Balmoral Plaza, 271 Bukit Timah Road
- 4 . BCA Academy of The Built Environment, 200 Braddell Road
- 5 . Beauty World Centre, 144 Upper Bt Timah Road
- 6 . Borneo Motors, 24 Leng Kee Road
- 7 . Chinatown Point, 133 New Bridge Road
- 8 . CJ GLS, 20 Toh Guan Road
- 9 . Claymore Plaza, 6 Claymore Hill
- 10 . Concorde Shopping Centre, 317 Outram Road
- 11 . Da Vinci Luxury, 10 Tanglin Road
- 12 . Djitsun Mall, 5 Ang Mo Kio Central 2
- 13 . East Village, 371 Bedok Road
- 14 . Fu Lu Shou Complex, 149 Rochor Road
- 15 . Giant, 21 Tampines North Drive 2
- 16 . Goldhill Plaza, 51 Goldhill Plaza
- 17 . Great Eastern House, 49 Beach Road
- 18 . Holland Road Shopping Centre, 211 Holland Avenue
- 19 . Hong Leong Building, 16 Raffles Quay
- 20 . Hong Leong House, 76 Shenton Way
- 21 . Hong Lim Complex, 531 Upper Cross Street
- 22 . Jit Poh Building, 19 Keppel Road
- 23 . Jubilee Square, 61 Ang Mo Kio Ave 8
- 24 . King George's Building, 318 King George's Ave
- 25 . Kitcheners Complex, 808 French Road
- 26 . Leisure Park Kallang, 5 Stadium Walk
- 27 . Liang Court, 177C River Valley Road
- 28 . Liat Tower, 541 Orchard Road
- 29 . Lucky Plaza, 304 Orchard Road
- 30 . Millenia Walk, 9 Raffles Boulevard
- 31 . Moda, 42 East Coast Road
- 32 . Mountbatten Centre, 231 Mountbatten Road
- 33 . Mustafa Centre, 145 Syed Alwi Road
- 34 . Nexus @ one-north, 1 Fusionopolis Link
- 35 . North Bridge Centre, 420 North Bridge Road
- 36 . Novena Square, 238 Thomson Road
- 37 . Orchard Central, 181 Orchard Road
- 38 . Paragon, 290 Orchard Road
- 39 . PARKROYAL on Pickering, 3 Upper Pickering Street
- 40 . Parkway Centre, 1 Marine Parade Central
- 41 . Parkway Parade, 80 Marine Parade Road
- 42 . RHB Bank Building, 90 Cecil Street

**A . Commercial Complexes / Shopping Centres**

- 43 . Roxy Square, 50 East Coast Road
- 44 . Shaw Tower, 100 Beach Road
- 45 . Singapore Pools, 210 Middle Road
- 46 . Solaris, 1 Fusionopolis Walk
- 47 . Southbank, 881 North Bridge Road
- 48 . Southbank, 883 North Bridge Road
- 49 . Sultan Plaza, 100 Jalan Sultan
- 50 . Suntec City Mall, 3 Temasek Boulevard
- 51 . Suntec City Mall, 3 Temasek Boulevard
- 52 . Tampines Mall, 4 Tampines Central 5
- 53 . Tan Boon Liat Building, 315 Outram Road
- 54 . Tanglin Shopping Centre, 19 Tanglin Road
- 55 . The Central, 6 Eu Tong Sen Street
- 56 . The Clementi Mall, 3155 Commonwealth Avenue West
- 57 . The Link, 1 Nassim Road
- 58 . The Plaza, 7500A Beach Road
- 59 . The Riverwalk, 20 Upper Circular Road
- 60 . Tong Eng Building, 101 Cecil Street
- 61 . TPI Building, 62 Cecil Street
- 62 . Tung Centre, 20 Collyer Quay
- 63 . United Square, 101 Thomson Road
- 64 . UOB Kay Hian, 8 Anthony Road
- 65 . Wearnes Automotive, 45 Leng Kee Road
- 66 . Wisma Atria, 435 Orchard Road
- 67 . Woodlands Civic Centre, 900 South Woodlands Drive

**B . Industries / Factories / Warehouses**

- 1 . ALS Building, 121 Genting Lane
- 2 . Amkor Technology, 2 Science Park Drive
- 3 . Asia Pacific Breweries (S) Pte Ltd, 459 Jalan Ahmad Ibrahim
- 4 . ASM Technology Singapore, 2 Yishun Avenue 7
- 5 . Autobay @ Kaki Bukit, 1 Kaki Bukit Avenue 6
- 6 . Autron Corporation, 53 Serangoon North Avenue 4
- 7 . A-Z Building, 140 Paya Lebar Road
- 8 . Baxter, 2 Woodlands Industrial Park D Street 2
- 9 . BERG Propulsion, 85 Tuas South Avenue 1
- 10 . BHL Factories, 2A Mandai Estate
- 11 . Breadtalk, 30 Tai Seng Street
- 12 . Bryton House, 14 Hoy Fatt Road
- 13 . C & P Logistics Hub I, 46 Penjuru Lane
- 14 . C K Department Store, 39 Tampines Street 92



**B . Industries / Factories / Warehouses**

- 15 . Caterpillar, 14 Tractor Road
- 16 . Cintech II, 75 Science Park Drive
- 17 . City Warehouse, 5 Kaki Bukit Road 2
- 18 . Civic Terrace Warehouse, 101A Ubi Avenue 4
- 19 . CornerStone Building, 61 Lorong 17 Geylang
- 20 . CWT Logistics Hub, 49 Pandan Road
- 21 . Denka Singapore Pte Ltd, 11A Tuas Ave 20
- 22 . Diamond Industries, 5 Harper Road
- 23 . Eco-SWM Complex, 23 Tuas View Circuit
- 24 . Enterprise Hub, 48 Toh Guan Road East
- 25 . FCI Microconnections Asia Pte Ltd, 23 Changi North Crescent
- 26 . GE Aviation, 23 Loyang Way
- 27 . German Centre, 25 International Business Park
- 28 . Halliburton, 1 Gul Street 5
- 29 . Harrison Industrial Building, 7 Harrison Road
- 30 . Harrison Industrial Building, 7 Harrison Road
- 31 . HB Centre, 12 Tannery Road
- 32 . Henkel Singapore Pte Ltd, Haw Par Technocentre, 401 Commonwealth Drive
- 33 . Hoy San, 5 Penjuru Lane
- 34 . International Bearings Pte Ltd, 1A Toh Tuck Link
- 35 . ISK Singapore, 39 Tuas West Drive
- 36 . Jackson Square, 11 Lorong 3 Toa Payoh
- 37 . Jean Yip Building, 50 Kaki Bukit Place
- 38 . Jotun (Singapore) Pte Ltd, 37 Tuas View Crescent
- 39 . Kampong Ubi Industrial Estate, 3014A-3032A Ubi Road 1
- 40 . Keppel FELS, 31 Shipyard Road
- 41 . Keppel Offshore & Marine Technology Centre, 31 Shipyard Road
- 42 . Keppel Shipyard (Gul Yard), 55 Gul Road
- 43 . Kin Building, 16 Shaw Road
- 44 . Kranji Industrial Estate, 3 Sungei Kadut Drive
- 45 . Lim Chee Guan Food Industries, 230 Pandan Loop
- 46 . Lion Industrial Building, 10 Arumugam Road
- 47 . M1, 4 Aljunied Avenue 1
- 48 . Malaysia Dairy Industries, 2 Davidson Road
- 49 . Mapletree Industrial, 970 & 998 Toa Payoh North
- 50 . Markano Distric Centre, 200 Tagore Lane
- 51 . ModusLink, 51 Ubi Avenue 3
- 52 . Natsteel Ltd, 26 Tanjong Kling Road
- 53 . NCS, 7 Bedok South Road
- 54 . Noble Warehouse, 49 Tannery Lane
- 55 . NSL OilChem Services, 23 Tanjong Kling Road
- 56 . Oriental Metals, 28 Jalan Buroh



**B . Industries / Factories / Warehouses**

- 57 . Penjuru Logistics Hub, 34 Penjuru Lane
- 58 . Penjuru Tech Hub, 4 Penjuru Place
- 59 . Prime Motor & Leasing Pte Ltd, 5 Benoi Place
- 60 . Primz BizHub, 21 Woodlands Close
- 61 . PSA Godown F5, Keppel District
- 62 . Rolls Royce Singapore, 6 Seletar Aerospace Rise
- 63 . Sandvik Building, 50 Alps Avenue
- 64 . Scorpio East Building, 25 Tai Seng Ave
- 65 . Sembmarine Integrated Yard @ Tuas
- 66 . Shimano (Singapore) Pte Ltd, 20 Benoi Sector
- 67 . Shotic, 84 Second Lok Yang Road
- 68 . Shun Li Industrial Complex, 705 Sims Drive
- 69 . Singapore Warehouse, 110 Paya Lebar Road
- 70 . Solaris, 1 Fusionopolis Walk
- 71 . SPH News Centre, 1000 Toa Payoh North
- 72 . ST Engineering Hub, 1 Ang Mo Kio Electronics Park Road
- 73 . Stamford Truck Centre – Jurong. 21A Lok Yang Way
- 74 . SumiDurez Singapore, 9 Tanjong Penjuru Crescent
- 75 . Sumitomo Chemical Singapore Pte Ltd, 17 Sakra Road
- 76 . Swee Lee Company, 150 Sims Drive
- 77 . The Singapore Freeport, 32 Changi North Crescent
- 78 . Tong Yuan Industrial Building, 85 Playfair Road
- 79 . Trivex, 8 Burn Road
- 80 . Tuas Cove Industrial Centre, 47-53 Tuas South Avenue 1
- 81 . Tyco Electronics, 26, Ang Mo Kio Industrial Park 2
- 82 . UOB Jurong Warehouse, 31 Pioneer Sector 1
- 83 . Vertex, 33 Ubi Ave 3
- 84 . Wing Tai Industrial Centre, 105 Tampines Road
- 85 . Wintech Centre, Ubi Road 1
- 86 . YHI Group, 2 Pandan Road
- 87 . Yokogawa Electric Asia Pte Ltd, 5 Bedok South Road

**C . Hotels**

- 1 . Amara Hotel, 165 Tanjong Pagar Road
- 2 . Aqueen Hotel Balestier, 387 Balestier Road
- 3 . Aqueen Hotel-lavender, 139 Lavender Street
- 4 . Carlton Hotel, 76 Bras Basah Road
- 5 . Chinatown Hotel, 12-16 Teck Lim Road
- 6 . Copthorne King's Hotel, 403 Havelock Road
- 7 . Cultural Hotel Singapore, 270 Jalan Besar
- 8 . Golden Star Hotel, 31 Lorong 8 Geylang

**C . Hotels**

- 9 . Goodwood Park Hotel, 22 Scotts Road
- 10 . Grand Park Orchard, 270 Orchard Road
- 11 . Hilton Singapore, 581 Orchard Road
- 12 . Holiday Inn Singapore Atrium, 317 Outram Road
- 13 . Holiday Inn Singapore Orchard City Centre, 11 Cavenagh Road
- 14 . Hotel Clover, 769 North Bridge Road
- 15 . Hotel Miramar (Mirama), 401 Havelock Road
- 16 . Hotel Royal, 36 Newton Road
- 17 . Marriott Hotel, 320 Orchard Road
- 18 . Naumi Hotel, 41 Seah Street
- 19 . Oasia Hotel Singapore, 8 Sinaran Drive
- 20 . Orchard Parade Hotel, 1 Tanglin Road
- 21 . Radius International City Lodge, 99 Rangoon Road
- 22 . Riverview Hotel, 382 Havelock Road
- 23 . Shangri-La Hotel, 22 Orange Grove Road
- 24 . Studio M Hotel, 3 Nanson Road
- 25 . The Beaufort, 2 Bukit Manis Road
- 26 . The Inn, 36 Temple Street
- 27 . Woke Home Capsule Hostel , 61 South Bridge Road
- 28 . York Hotel, 21 Mount Elizabeth

**D . Residential / Condominiums**

- 1 . Abelia, 2A Ardmore Park
- 2 . Arc at Tampines, 3-23 Tampines Avenue 8
- 3 . Balmoral Crest, 1 Balmoral Crescent
- 4 . Bishan Loft, 31-35 Bishan Street 11
- 5 . Blossom Residences, 30-34 Segar Road
- 6 . Bukit Regency, 1-11 Upper Bukit Timah View
- 7 . Cairnhill Plaza, 53-55 Cairnhill Road
- 8 . Casa Irrawaddy, 61 Irrawaddy Road
- 9 . Chuan Park, 240-250 Lorong Chuan
- 10 . Cityscape, 101 Mergui Road
- 11 . Costa Rhu, 1-9 Rhu Cross
- 12 . Devonshire Residences, 55 Devonshire Road
- 13 . Dover Parkview, 34 Dover Rise
- 14 . Dunearn Gardens, 20 Dunearn Road
- 15 . Eis Residences, 4 Haig Avenue
- 16 . Elias Green Condominium, 1-15 Elias Green
- 17 . Escada View, 53 Lengkong Empat
- 18 . Esparina Residences, 111-127 Compassvale Bow
- 19 . Evania, 391 Upper Paya Lebar Road

**D . Residential / Condominiums**

- 20 . Ferrara Park Condominium, 8-28 Flora Drive
- 21 . FLO Residence, 1 Punggol Field Walk
- 22 . Fontana Heights, 39 Mount Sinai Rise
- 23 . Gilstead Two, 2 Gilstead Road
- 24 . Gold Palm Mansions, 139 Lorong K Telok Kurau
- 25 . Grande Vista, 2-24 Cactus Drive
- 26 . Hallmark Residences, 19 Ewe Boon Road
- 27 . High Point, 30 Mount Elizabeth
- 28 . Hillcrest Villa, 7F Hillcrest Road
- 29 . Hilltops, 105 Cairnhill Circle
- 30 . Hong Heng Garden, 33 Sembawang Road
- 31 . Juluca, 382 Pasir Panjang Road
- 32 . Kensington Park, 2 Kensington Park Drive
- 33 . Kew Green Condominium & Townhouses, 239 Kew Crescent
- 34 . Le Grove Service Apartments, 32 Orange Grove Road
- 35 . Le Hill, 42-46 Pasir Panjang Hill
- 36 . Lilydale, 550-552 Yishun Avenue 6
- 37 . Lincoln Suites, 1-3 Khiang Guan Avenue
- 38 . Luma, 6 River Valley Grove
- 39 . Maysprings, 2-6 Petir Road
- 40 . Monarchy Apartments, 51 Mandalay Road
- 41 . Nouvelle Park, 131-137 Poh Huat Road West
- 42 . Novelle Park, 131-137 Poh Huat Road West
- 43 . One Robin, 1 Robin Road
- 44 . Orchard Parksuites, 11 Orchard Turn
- 45 . Pinehurst Condominium, 132 Lorong L Telok Kurau
- 46 . Poshgrove East, 329-335 East Coast Road
- 47 . Regent Grove, 52 Choa Chu Kang North 7
- 48 . Riversound Residence, 5 Sengkang East Avenue
- 49 . Riversound Residence, 5 Sengkang East Avenue
- 50 . Rochelle at Newton, 188 keng Lee Road
- 51 . Rochelle at Newton, 188 keng Lee Road
- 52 . Rosewood Suites, 61-69 Rosewood Drive
- 53 . Scotts Highpark, 45 Scotts Road
- 54 . Seven Crescent, 7M Crescent Road
- 55 . Smart Suites @ Aljunied, 302A Sims Avenue
- 56 . Spring @ Katong, 18 Ceylon Road
- 57 . Stratford Court, 41A Bedok Ria Crescent
- 58 . Suites @ Cairnhill, 138 Cairnhill Road
- 59 . The Axis, 47 Mandalay Road
- 60 . The Centrio, 53 Irrawaddy Road
- 61 . The Foresta @ Mount Faber, 100 Wishart Road

**D . Residential / Condominiums**

- 62 . The Quayside, 60 ROBERTSON QUAY
- 63 . The Riverine by the Park, 398 Kallang Road
- 64 . The Serenade @ Holland, 371 Holland Road
- 65 . The Stellar, 14 West Coast Road
- 66 . Trevista, 21-25 Lorong 3 Toa Payoh
- 67 . Tribeca, 583 Orchard Road
- 68 . Trilight, 7 Newton Road
- 69 . Vacanza, 36-50 Lengkong Tujoh
- 70 . Waterview at Tampines, 79 Tampines Avenue 1
- 71 . Woodgrove Condominium, 2-12 Woodgrove Drive
- 72 . Yishun Emerald, 20 Canberra Drive
- 73 . Yishun Sapphire, 40 Canberra Drive

**E . Leisure / Entertainment Centre**

- 1 . Changi Civil Service Club, 2 Netheravon Road
- 2 . Chui Huay Lim Club, 190 Keng Lee Road
- 3 . F1 Pit Building, 1 Republic Boulevard
- 4 . Hougang Stadium, 100 Hougang Avenue 2
- 5 . iFly Singapore, 43 Siloso Beach Walk
- 6 . Jurong Bird Park, 2 Jurong Hill
- 7 . Jurong Country Club, 9 Science Centre Road
- 8 . Keppel Club, 10 Bukit Chermin Road
- 9 . Marina Bay Sands, 10 Bayfront Avenue
- 10 . Nanyang Community Club (CC), 60 Jurong West Street 91
- 11 . Punggol 21 Community Club, 80 Punggol Field
- 12 . Raffles Country Club, 450 Jalan Ahmad Ibrahim
- 13 . Resorts World at Sentosa, 8 Sentosa Gateway
- 14 . River Safari, 80 Mandai Lake Road
- 15 . Safra Jurong, 333 Boon Lay Way
- 16 . Seletar Country Club, 101 Seletar Club Road
- 17 . Serangoon Stadium, 33 Yio Chu Kang Road
- 18 . Serangoon Swimming Complex, 35 Yio Chu Kang Road
- 19 . Singapore Island Country Club, 180 Island Club Road
- 20 . Singapore Recreation Club, B Connaught Drive
- 21 . Singapore Soka Association, 10 Tampines Street 81
- 22 . St James Power Station, 3 Sentosa Gateway
- 23 . Tanah Merah Country Club (Garden Course), 25 Changi Coast Road
- 24 . Tanglin Club, 5 Stevens Road
- 25 . The Legends Fort Canning Park, 11 Canning Walk
- 26 . Woodlands Swimming Complex, 3 Woodlands Street 13
- 27 . Yew Tee Community Club (CC), 20 Choa Chu Kang Street 52
- 28 . YWCA Fort Canning Lodge, 6 Fort Canning Road

**F . TV / Broadcasting Stations**

- 1 . Mediacorp Caldecott Broadcast Centre, Andrew Road

**G . Banks / Financial Institutions**

- 1 . Barclays Bank Pte Ltd Co., 1 Raffles Quay
- 2 . CPF Jurong Building, 21 Jurong Gateway Road
- 3 . CPF Tampines Building, 1 Tampines Central 5
- 4 . Dbs Bank Ltd, 1024 Tai Seng Avenue. (S)534414
- 5 . DBS Bishan Central Branch (POSB), 507 Bishan Street 11
- 6 . DBS Clementi Central Branch (POSB), 449 Clementi Avenue 3
- 7 . DBS Serangoon Central Branch (POSB), 254 Serangoon Central Drive
- 8 . DBS Yishun Central Branch (POSB), 926 Yishun Central 1
- 9 . MAS Building, 10 Shenton Way
- 10 . Newton POSB Building, 135 Bukit Timah Road
- 11 . OCBC Centre, 67 Chulia Street
- 12 . UOB Serangoon Garden Branch, 69 Serangoon Gardens Way

**H . Housing Development Board**

- 1 . Bedok N8C20
- 2 . Belvia , 747 Bedok Reservoir Crescent
- 3 . Bt Panjang N5C15
- 4 . Bukit Batok N2C22
- 5 . Bukit Merah C52
- 6 . Bukit Panjang N4C14
- 7 . Chao Chu Kang N1C12
- 8 . Chao Chu Kang N8C8
- 9 . City View @ Boon Keng, 6A Boon Keng Road
- 10 . Civil Defence Shelters at HDB Estates (Batch 2)
- 11 . HDB Skyville @ Dawson, 85 Dawson Road
- 12 . Jurong West N2C15
- 13 . Kreta Ayer Redevelopment, Blk 4-5 & Blk 333-335 Kreta Ayer Road
- 14 . Pasir Ris N5C19
- 15 . Punggol West C15
- 16 . Punggol West C27
- 17 . Queenstown RC17
- 18 . Sembawang N4C27
- 19 . Seng Kang N3C26
- 20 . Seng Kang N4C10
- 21 . Seng Kang N4C27
- 22 . Seng Kang N4C9
- 23 . Tampines N5C9
- 24 . Tampines N8C30

**H . Housing Development Board**

- 25 . Toa Payoh C8
- 26 . Woodlands N1C19
- 27 . Yishun N2C19
- 28 . Yishun N3C20
- 29 . Yishun N4C7

**I . Singapore Mass Rapid Transit (SMRT) Stations**

- 1 . Aljunied MRT Station (EW9), 81 Lorong 25 Geylang
- 2 . Bedok MRT Station (EW5), 315 New Upper Changi Road
- 3 . Bishan Depot, 300 Bishan Road
- 4 . Bishan MRT (NS17), 200 Bishan Road
- 5 . Boon Lay MRT Station (EW27), 301 Boon Lay Way
- 6 . Braddell MRT Station (NS18), 377 Lorong 1 Toa Payoh
- 7 . Bugis MRT Station (EW12/DT14), 220 Victoria Street
- 8 . Bukit Gombak MRT Station, (NS3) 802 Bukit Batok West Avenue 5
- 9 . Buona Vista MRT (EW21), 100 North Buona Vista Road
- 10 . Chinese Garden MRT Station (EW25), 151 Boon Lay Way
- 11 . Choa Chu Kang MRT (NS4), 10 Choa Chu Kang Avenue 4
- 12 . City Hall MRT Station (EW13/NS25), 150 North Bridge Road
- 13 . Clementi MRT Station (EW23), 3150 Commonwealth Avenue West
- 14 . Commonwealth MRT Station (EW20), 375 Commonwealth Avenue
- 15 . Dhoby Ghaut MRT Station, 13 Orchard Road
- 16 . Eunos MRT Station (EW7), 30 Eunos Crescent
- 17 . Kembangan MRT (EW6), 55 Sims Avenue East
- 18 . Khatib MRT (NS14), 201 Yishun Avenue 2
- 19 . Lakeside MRT Station (EW26), 201 Boon Lay Way
- 20 . Novena MRT (NS20), 250 Thomson Road
- 21 . Outram Park MRT Station (EW16/NE3), 10 Outram Road
- 22 . Pasir Ris MRT Station (EW1), 10 Pasir Ris Central
- 23 . Queenstown MRT Station (EW19), 301 Commonwealth Avenue
- 24 . Raffles Place MRT Station (EW14/NS26), 5 Raffles Place
- 25 . Redhill MRT Station (EW18), 920 Tiong Bahru Road
- 26 . Simei MRT (EW3), 30 Simei Street 3
- 27 . Somerset MRT Station (NS23), 1 Somerset Road
- 28 . Tampines MRT (EW2), 20 Tampines Central 1
- 29 . Tanah Merah MRT Station (EW4), 920 New Upper Changi Road
- 30 . Tanjong Pagar MRT Station (EW15), 120 Maxwell Road
- 31 . Tiong Bahru MRT Station (EW17), 300 Tiong Bahru Road
- 32 . Toa Payoh MRT (NS19), 510 Lorong 6 Toa Payoh
- 33 . Ulu Pandan MRT Depot, 20 Toh Tuck Avenue
- 34 . Yew Tee MRT Station (NS5), 61 Choa Chu Kang Drive
- 35 . Yio Chu Kang MRT Station (NS15), 3000 Ang Mo Kio Avenue 8

**I . Singapore Mass Rapid Transit (SMRT) Stations**

- 36 . Yishun MRT (NS13), 301 Yishun Avenue 2
- 37 . Jalan Perang On-Line Substation
- 38 . Lorong Kelopak On-Line Substation
- 39 . Shan Road On-Line Substation
- 40 . Sungei Bedok On-Line Substation
- 41 . Sungei Seletar On-Line Substation
- 42 . Tunnel Station On-Line Substation
- 43 . Yishun On-Line Substation

**J . Petrochemical Plants**

- 1 . Exxon Mobil
- 2 . Helios Terminal
- 3 . Isotherm Power Plant
- 4 . Italsing Petroleum
- 5 . NFPL Bio Diesel
- 6 . Shell Petroleum, Pulau Bukom
- 7 . Shell Petroleum, Pulau Ular
- 8 . SUT Pulau Sakra
- 9 . Universal Terminal

**K . Public Utilities Board Premises**

- 1 . Bedok Substation
- 2 . Birdcage Substation
- 3 . Boon Lay Substation
- 4 . Chao Chu Kang Substation
- 5 . Dunearn Road Substation
- 6 . Halifax Substation
- 7 . International Road Substation
- 8 . Jalan Bahar Substation
- 9 . Jurong Island Substation
- 10 . Kaki Bukit Substation
- 11 . Mandai Substation
- 12 . Pandan Road Substation
- 13 . Pasir Panjang Substation
- 14 . Queenstown Substation
- 15 . Rangoon Road Substation
- 16 . Sembawang Shipyard Substation
- 17 . Senoko Power Station
- 18 . Shell Bukom Substation
- 19 . Tampines Substation
- 20 . Telok Blangah Substation



**K . Public Utilities Board Premises**

- 21 . Tembusu Substation
- 22 . Thomson Substation
- 23 . Trafalgar Substation Substation
- 24 . Woodlands Heights Substation
- 25 . Yishun Substation

**L . Prisons / Police Stations / Embassy / Ministry of Defence**

- 1 . Admiralty West Prison, 21 Admiralty Road West
- 2 . Amoy Quee Camp, 461 Ang Mo Kio Street 66
- 3 . Bedok Camp, 768 Upper East Coast Road
- 4 . Bedok Police Divisional Headquarters - 'G' Division, 30 Bedok North Road
- 5 . Central Manpower Base (CMPB), 3 Depot Road
- 6 . Changi Airbase, 508 Cranwell Road
- 7 . French Embassy, 101 Cluny Park Road
- 8 . Hendon Camp, 6 Old Pier Road
- 9 . Kranji Camp, 93 Choa Chu Kang Way
- 10 . Kuwait Embassy, 170 Bukit Timah Road
- 11 . Mount Vernon Camp (Gurkha Contingent), 102 Vernon Park
- 12 . Nee Soon Camp, 303 Transit Road
- 13 . Pasir Laba Camp, 132 Pasir Laba Road
- 14 . Paya Lebar Airbase, 200 Airport Road
- 15 . Seletar Airbase, 77 Piccadilly
- 16 . Singapore Boys' Home, 30 Jurong West Street 24
- 17 . Stagmont Camp, 207 Stagmont Road
- 18 . Subordinate Courts, 1 Havelock Square
- 19 . Tanah Merah Prison, 10 Tanah Merah Besar Road
- 20 . Tanglin Police Divisional Headquarters - 'E' Division, 21 Kampong Java Road
- 21 . Tengah Airbase, 200 Lancaster Road 698957

**M . Medical Institutions / Hospitals**

- 1 . Alexandra Hospital, 378 Alexandra Road
- 2 . Dimensions Hospitality School, 9 Jalan Seh Chuan
- 3 . Econ Medicare Centre, 25 Recreation Road
- 4 . Econ Medicare Centre, 58 Braddell Road
- 5 . Geylang Polyclinic (Singhealth), 21 Geylang East Central
- 6 . NUH Medical Centre - National University Hospital, 1 Lower Kent Ridge Road
- 7 . Parkway East Hospital, 321 Joo Chiat Place
- 8 . Raffles Hospital, 585 North Bridge Road
- 9 . Saint Andrew's Community Hospital, 8 Simei Street 3
- 10 . Singapore General Hospital (SGH), 1 Hospital Drive
- 11 . Tampines Polyclinic (Singhealth), 1 Tampines Street 41



**M . Medical Institutions / Hospitals**

- 12 . Tan Tock Seng Hospital, 11 Jalan Tan Tock Seng
- 13 . The National Kidney Foundation, 101 Simei Street 1
- 14 . The National Kidney Foundation, 103 Bukit Batok Central
- 15 . The National Kidney Foundation, 203 Yishun Street 21
- 16 . Thye Hua Kwan Hospital, 17 Ang Mo Kio Avenue 9
- 17 . Toa Payoh Polyclinic (NHG), 2003 Lorong 8 Toa Payoh

**N . Places of Worship**

- 1 . Bethesda Hall, 10 Depot Walk
- 2 . Bible House, 7 Armenian Street
- 3 . Buddha Tooth Relic Temple and Museum, 288 South Bridge Road
- 4 . Buddhist Temple @ 19 Lorong 29 Geylang
- 5 . Central Sikh Temple, 2 Towner Road
- 6 . Church Of The Holy Cross, 450 Clementi Avenue 1
- 7 . Faith Community Baptist Church, Touch Centre, 3 Marine Parade Central
- 8 . Fo Guang Shan Temple, 1 Punggol Place
- 9 . Jubilee Presbyterian Church, 256 Outram Road
- 10 . My Saviour's Church, 2 Prince Charles Crescent
- 11 . Pu Ji Si Buddhist Research Centre, 39 Lorong 12 Geylang
- 12 . Singapore Bible College, 9 Adam Road
- 13 . Singapore Islamic Hub, 273 Braddell Road
- 14 . True Jesus Church, 32 Lorong H Telok Kurau
- 15 . Wat Ananda Metyarama Buddhist Temple, 50B Jalan Bukit Merah

**O . Educational Institutions / Schools**

- 1 . Adventure Learning Centre - Republic Polytechnic, 29 Woodlands Avenue 9
- 2 . Anglo-Chinese School (Independent) Boarding School, 119 Dover Road
- 3 . Australian International School Singapore, 1 Lorong Chuan
- 4 . Bishan Public Library, 5 Bishan Place
- 5 . Canberra Primary School, 21 Admiralty Drive
- 6 . Catholic Junior College, 129 Whitley Road
- 7 . CHIJ (Katong) Primary School, 17 Martia Road
- 8 . CHIJ Saint Nicholas Girls' School, 501 Ang Mo Kio Street 13
- 9 . Clementi Primary School, 8 Clementi Avenue 3
- 10 . Dunman High School, 10 Tanjong Rhu Road
- 11 . Guangyang Primary School, 6 Bishan Street 12
- 12 . Hong Kah Secondary School, 931 Jurong West Street 42
- 13 . Hwa Chong Institution Boarding School, 673 Bukit Timah Road
- 14 . Junyuan Primary School, 2 Tampines Street 91
- 15 . Jurongville Secondary School, 202 Jurong East Avenue 1
- 16 . Juying Secondary School, 33 Jurong West Street 91 649038

**O . Educational Institutions / Schools**

- 17 . Kheng Cheng School, 15 Lorong 3 Toa Payoh
- 18 . Manjusri Secondary School, 20 Ubi Avenue 1
- 19 . Monk's Hill Secondary School, 12 Winstedt Road
- 20 . Nanyang Technological University (NTU), 50 Nanyang Avenue
- 21 . National Junior College Boarding School, 41 Hillcrest Road 288916
- 22 . Ngee Ann Polytechnic, 535 Clementi Road
- 23 . NPS International School, 12 Chai Chee Lane
- 24 . Orchid Park Secondary School, 10 Yishun Street 81
- 25 . Paya Lebar Methodist Girls' School, 296-298 Lorong Ah Soo
- 26 . Punggol Primary School, 61 Hougang Avenue 8
- 27 . Raffles Institution (Junior College) [RIJC], 10 Bishan Street 21
- 28 . Raffles Institution Boarding Complex, 5 Raffles Institution Lane
- 29 . River Valley High School, 6 Boon Lay Avenue
- 30 . S P Jain School of Global Management, 10 Hyderabad Road
- 31 . Saint Anthony's Canossian Secondary School, 1600 Bedok North Avenue 4
- 32 . Sembawang Primary School, 10 Sembawang Drive
- 33 . Singapore Polytechnic, 500 Dover Road
- 34 . Singapore School For The Deaf, 227 Mountbatten Road
- 35 . Spectra Secondary School, 1 Woodlands Drive 64
- 36 . Spectra Secondary School, 1 Woodlands Drive 64
- 37 . Springfield Secondary School, 30 Tampines Avenue 8
- 38 . St. Joseph's Institution International Ltd, 490 Thomson Road
- 39 . Tampines Primary School, 250 Tampines Street 12
- 40 . Tampines Secondary School, 252 Tampines Street 12
- 41 . United World College Of South East Asia - Dover Campus, 1207 Dover Road
- 42 . United World College Of South East Asia - East Campus, Tampines Street 73
- 43 . West View Primary School, 31 Senja Road
- 44 . yo:HA @ Jurong, 200 Jurong East Avenue 1
- 45 . Yuhua Primary School, 158 Jurong East Street 24

**P . Oversea**

- 1 . Batam - DC Mall
- 2 . Cambodia - Caltex
- 3 . Indonesia
- 4 . Middle East - Data Centre
- 5 . Myanmar
- 6 . Pulau Semakau Landfill
- 7 . Sri Lanka
- 8 . Thailand - Thai Oil
- 9 . Horseburgh Lighthouse
- 10 . St John Lighthouse