


# Section 16 Audible & Visual Alarms

Vibrating Horns, Warning Tower Lights, Signal Towers, Cube Towers, Rotating Warning Lights, Voice Synthesizers, Audible Alarms, Panel & Machine mounted Audio Indicators

Please see Large Displays and Marquees in Section 10 also.

There are also Product type and Manufacturer indexes in the back of the catalog.

*This catalog is just an overview designed to help you locate and narrow down solutions as quickly as possible.*

**For complete specs, part numbers and pricing, or if you can't find what you need, please call AA Electric inside sales at 1-800-237-8274 or visit  [AAElectricOnline.com](http://AAElectricOnline.com) or send us an e-mail from the "Contact us" Section. You will automatically reach the nearest office. We will be glad to help!**

Product Type	Manufacturer	Beginning Page
Vibrating Horns	Edwards Signaling & Security Systems	16/02
Warning Tower Lights	j.a.uer (Sprecher & Schuh)	16/04
Signal Towers, Cube Towers, Rotating Warning Lights, Voice Synthesizers, Audible Alarms	Patlite	16/11
Panel & Machine Mount Audio Indicators	Projects Unlimited	16/22
Strobe	Tomar	16/24

**Other Items you may need and related Section Number**

**Sensors, Section 1**

**Motor/Pump Control & Protection, Section 2**

**Enclosures, Corrosion Protection & Wiring Aids, Section 6**

**Terminal & Power Distribution Blocks, Fuses & Holders, Section 7**

**Relays & Sockets, Section 8**

**Pushbuttons, Switches & Miniature Lamps, Section 9**

**PLCs, Bus/ Network Products, HMIs, Software, Auto-ID Products, Section 10**



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## Important Safety Warning...Please Read!



Many products do NOT include the self-checking redundant circuitry necessary to allow their use in personnel safety applications, and should never be used as devices for personnel protection. Their use as safety devices may create an unsafe condition which could lead to serious bodily injury or death. A component failure or malfunction can result in either an energized or a deenergized output condition.

Only certain products (many are in Safety Section 14) that are so designated are designed to meet OSHA and ANSI machine safety standards for point-of-operation guarding devices. Sensors or controls that do not meet these standards must NOT be used as sensing devices for personnel protection. Please contact AA Electric for more information on point-of-operation guarding devices.



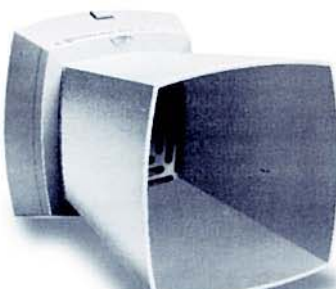
## FOR INDOOR LOCATIONS



From \$76.07

### GRILLE TYPE

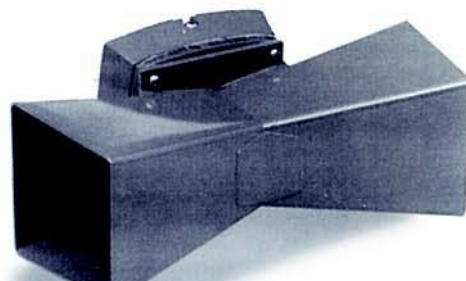
The grille type AdaptaHorn is made for general broadcast coverage. The horn comes with an Allen wrench adjustable volume adjustment screw located on the front of the horn. Installation is quick and simple with supplied AdaptaPlate. (See "Convenient AdaptaPlate Installation" information below.) Horn mounts on any single gang box or any 3 1/4", 3 1/2" or 4" octagon box or 4" square box. Horn projects only 2" from mounting surface. Indoor applications include: equipment malfunction, security, employee warning.



From \$90.71

### SINGLE PROJECTOR TYPE

The projector type AdaptaHorn has been designed to channel the sound without decibel loss. For installations where a dB reduction is required a volume adjustment screw is provided. Installation is quick and simple with supplied AdaptaPlate. Horn mounts on any single gang box or 3 1/4", 3 1/2" or 4" octagon box or 4" square box. Horns projects only 7 1/2" from mounting surface. Indoor applications include: Industrial, commercial, institutional locations for timing, warning, paging and general alarm signaling.

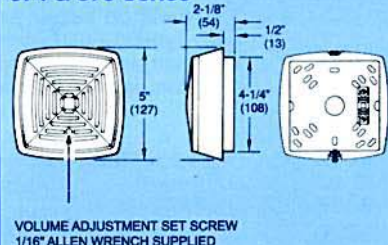


From \$92.14

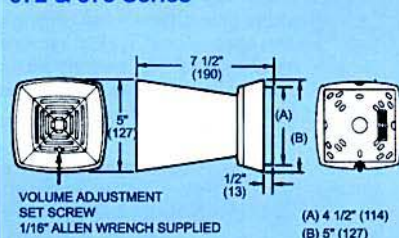
### DOUBLE PROJECTOR TYPE

This model is designed for bi-directional signaling without decibel loss. For installations where a dB reduction is required a volume adjustment screw is provided. Installation is quick and simple with supplied AdaptaPlate. Horn mounts on any single gang box or 3 1/4", 3 1/2" or 4" octagon box or 4" square box. Indoor applications include: Industrial, commercial, institutional locations for timing, warning, paging and alarm signaling.

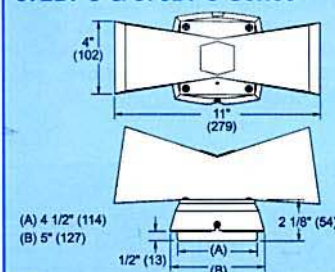
#### GRILLE TYPE 874 & 875 Series



#### PROJECTOR TYPE 872 & 873 Series



#### DOUBLE PROJECTOR TYPE 872DPO & 873DPO Series



#### AC MODELS 103 dB Max at 10 Ft.

Cat. No.	Volts AC	Amps	VA	DC Coil Res (Ohms)
874-E5	12*	1.25	15	1.5
874-G5	24*	.63	15	5.2
874-N5	120*	.13	15	150
874-R5	240*	.06	15	580

\*UL Listed. 50/60 Hz & FM Approved

#### AC MODELS 103 dB Max at 10 Ft.

Cat. No.	Volts AC	Amps	VA	DC Coil Res (Ohms)
872-E5	12*	1.25	15	1.5
872-G5	24*	.63	15	5.2
872-N5	120*	.13	15	150
872-R5	240*	.07	17	580

\*UL Listed. 50/60 Hz & FM Approved

#### AC MODELS 101 dB Max at 10 Ft.

Cat. No.	Volts AC	Amps	VA	DC Coil Res (Ohms)
872DPO-G5	24*	.63	15	5.2
872DPO-N5	120*	.13	15	150
872DPO-R5	240*	.07	17	580

#### DC MODELS 101 dB Max at 10 Ft.

Cat. No.	Volts DC	Amps	VA	DC Coil Res (Ohms)
875-C1	6	.70	4.2	1.6
875-E1	12†	.27	3.5	6
875-G1	24†	.16	3.5	24
875-J1	32†	.11	3.5	40
875-P1	125†	.025	3.5	600
875-S1	250†	.014	3.5	2400

†UL Listed

#### DC MODELS 101 dB Max at 10 Ft.

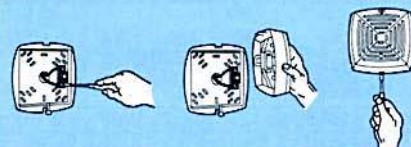
Cat. No.	Volts DC	Amps	VA	DC Coil Res (Ohms)
873-G1	24†	.16	3.8	24
873-K1	48†	.07	3.5	96
873-P1	125†	.025	3.2	600
873-S1	250†	.014	3.5	2640

†UL Listed

#### DC MODELS 99 dB Max at 10 Ft.

Cat. No.	Volts DC	Amps	VA	DC Coil Res (Ohms)
873DPO-E1	12†	.27	3.3	6
873DPO-G1	24†	.16	3.8	24
873DPO-J1	32	.13	4.2	40
873DPO-P1	125†	.025	3.2	600
873DPO-S1	250†	.014	3.5	2400

†UL Listed



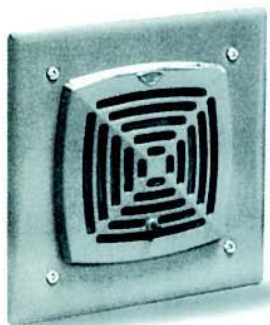
#### CONVENIENT ADAPTAPLATE INSTALLATION (for Grille and Projector Models)

1. Secure AdaptaPlate to mounting box or surface.
2. Pull wire through large hole in plate.
3. Connect wires to binding post.
4. Fit tab on top of plate into slot on top.
5. Push horn into plug-in connection.
6. Tighten single tamper-proof screw.





# Edwards Signaling & Security Systems® AdaptaHorn® Vibrating Horns



From \$83.93



From \$72.14

## FLUSH TYPE

The AdaptaHorn flush horn is designed for wall or panel installation. It projects less than 1" from mounting surface. Attractive trim plate (supplied) conceals wall irregularities. Horn mounts on No. 870-B Back Box. A volume adjustment screw is conveniently located on front of horn. Applications include: panelboards, switchboards, ceilings and corridors. Ideal for scoreboard installation.

## PANEL MOUNT TYPE

The Edwards panel mount horn is designed for semi-flush panel mounting as well as installation on a 4" square box. It comes supplied with a 1/8" Neoprene trim gasket, 18 inches of wire with molex connector, and installation template. The Semi-flush/Panel mount unit becomes **weatherproof** when installed with supplied gasket. A volume adjustment screw is conveniently located on front of horn.

## FOR WEATHERPROOF LOCATIONS

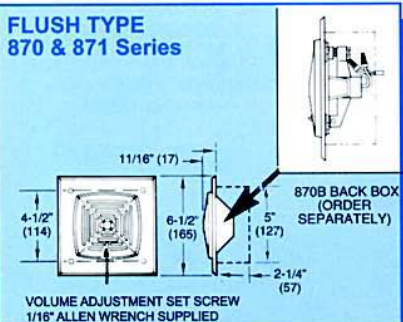


From \$101.79

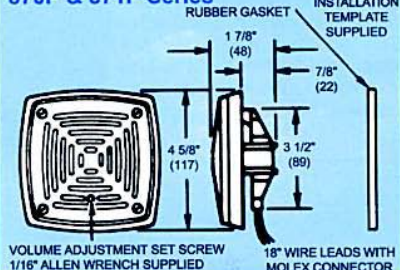
## GRILLE WEATHERPROOF TYPE

The Edwards Weatherproof AdaptaHorn is designed for outdoor applications. The Die-cast weatherproof box mounts on conduit or to any flat surface. A hole on the top has been drilled and tapped for 3/4" -14 NPT; knockouts are on the bottom and rear of the unit. Outdoor Applications include: Emergency evacuation and warning, employee start/stop and communications, shipping docks and night signal.

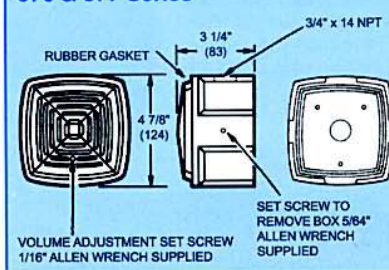
### FLUSH TYPE 870 & 871 Series



### SEMI-FLUSH/PANEL MOUNT TYPE 870P & 871P Series



### GRILLE WEATHERPROOF TYPE 876 & 877 Series



### AC MODELS 103 dB Max at 10 Ft.

Cat. No.	Volts AC	Amps	VA	DC Coil Res (Ohms)
870-G5	24*	.63	15	5.2
870-N5	120*	.13	15	150
870-R5	240*	.07	17	580

\*UL Listed. 50/60 Hz & FM Approved

### AC MODELS 103 dB Max at 10 Ft.

Cat. No.	Volts AC	Amps	VA	DC Coil Res (Ohms)
870P-E5	12*	1.25	15	1.5
870P-G5	24*	.63	15	5.2
870P-N5	120*	.13	15	150
870P-R5	240*	.07	17	580

\*UL Listed. 50/60 Hz

### AC MODELS 103 dB Max at 10 Ft.

Cat. No.	Volts AC	Amps	VA	DC Coil Res (Ohms)
876-E5	12*	1.25	15	1.5
876-G5	24*	.63	15	5.2
876-N5	120*	.13	15	150
876-R5	240*	.07	17	580

\*UL Listed. 50/60 Hz & FM Approved

### DC MODELS 101 dB Max at 10 Ft.

Cat. No.	Volts DC	Amps	VA	DC Coil Res (Ohms)
871-E1	12†	.27	3.3	6
871-G1	24†	.16	3.8	24
871-K1	48†	.07	3.5	96
871-P1	125†	.025	3.5	600
871-S1	250†	.014	3.5	2400

†UL Listed

### DC MODELS 101 dB Max at 10 Ft.

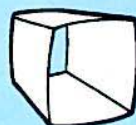
Cat. No.	Volts DC	Amps	VA	DC Coil Res (Ohms)
871P-C1	6†	.7	4.2	1.4
871P-E1	12†	.27	3.3	6
871P-G1	24†	.16	3.8	24
871P-J1	32†	.11	4.2	40
871P-P1	125†	.025	3.2	600
871P-S1	250†	.014	3.5	2400

†UL Listed

### DC MODELS 101 dB Max at 10 Ft.

Cat. No.	Volts DC	Amps	VA	DC Coil Res (Ohms)
877-E1	12†	.27	3.3	6
877-G1	24†	.16	3.8	24
877-J1	32†	.13	4.2	40
877-K1	48†	.07	3.5	96
877-P1	125†	.025	3.2	600

†UL Listed



### PLASTIC PROJECTOR From \$19.29

Cat. No.	Type	Description
872-P0	Projector horn	Plastic Projector for 870, 870P, 871, 871P, 874, 875, 876, 877; available only as separate item.

For high dB electronic horns for indoor, outdoor or hazardous locations call AA Electric and ask us about Duotronic and Adaptone signals.



## **SIGNAL50 Warning Tower Lights From j. auer**

More features, approvals  
and flexibility than  
virtually any tower light  
on the market



SIGNAL50 Warning Tower Lights from the J. Auer company are the perfect compliment to Sprecher + Schuh's world class industrial control product line. High grade, heavy duty and comprehensive, this 50mm space saving line is also flexible and extremely easy to assemble and install.

### **Rugged construction for industrial applications**

Heavy duty industrial polycarbonate is used to construct all light modules and bases for the SIGNAL50 line. A stainless steel, pole-mount base, set on a zinc die-cast metal foot is also available. The entire line meets **UL Type 4 / 4X / 13 and IP65 guidelines for use indoors or out.** No other manufacturer of competitive product offers this extensive range of environmental approvals.

### **Over 100 combinations of lenses, voltages and illumination types**

Variety and interchangeability are standard with the SIGNAL50 line. Six lens colors are available (green, red, amber, blue, yellow and clear), more than any other major manufacturer. Light modules are offered in four different voltages including 12 & 24V AC/DC, 120V AC and 240V AC. Illumination types include incandescent, LED and strobe. A special flashing LED is also available.

### **New sound module expands choices**

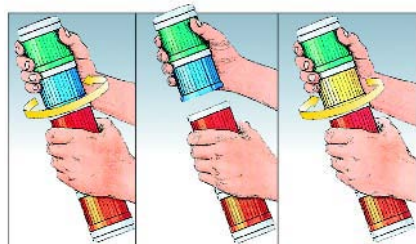
In addition to the many visual alert modules available with the SIGNAL50 line, a new Piezo sound module is now available. Choose either a Single Circuit, Selectable Tone Module (single or pulsing tone) or a Two Circuit Sound Module, used in applications where two types of audible alert are required to indicate different levels of machine status. Voltages include 12 & 24V AC/DC and 120 & 240V AC.



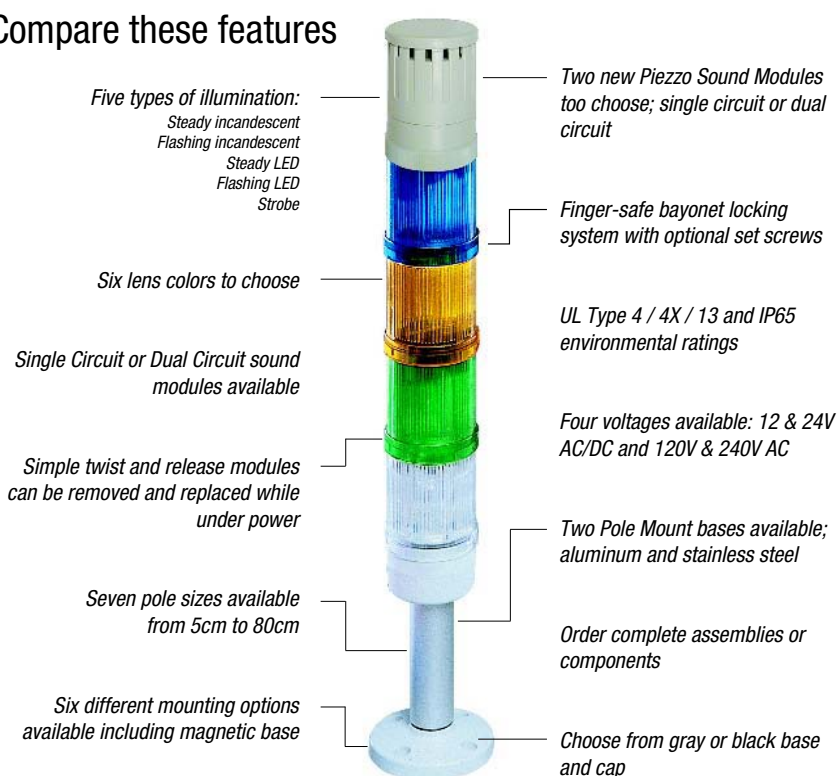


## Easy assembly, changeout and maintenance

Up to five modules of the same voltage may be combined in any order with a simple twist of the wrist. Each light module has a bayonet locking system and finger protection that allows it to be "hot swapped" if necessary. Just untwist the module needing maintenance and the other modules stay lit. With reassembly of the Warning Tower, all modules are under power again, automatically. To prevent unauthorized opening, optional set screws may be used to lock each module in place.



## Compare these features



## Mounting bases for any installation

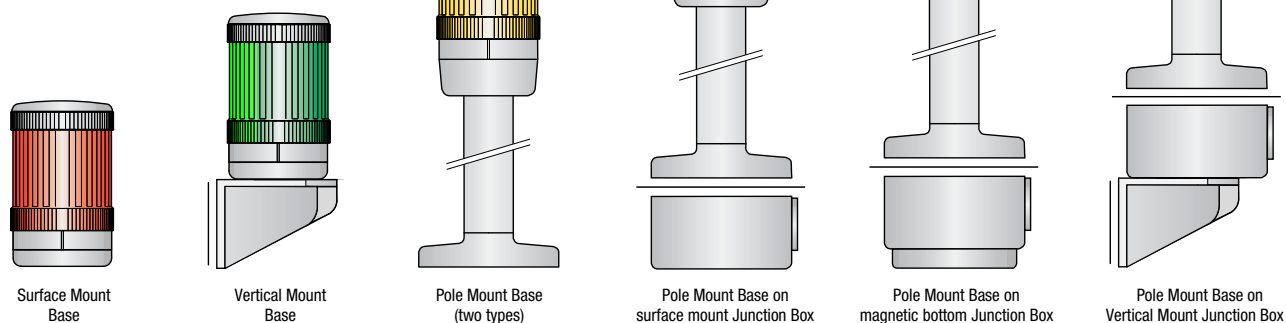
Three standard bases are offered, including surface mount, pole mount, and side mounting, for vertical equipment surfaces and walls.

Two different Pole Mount Bases are available, including the standard aluminum pole with polycarbonate foot or a stainless steel pole with zinc die-cast foot. All poles are available in seven lengths (5, 10, 25, 40, 50, 60 & 80cm). They may also be cut to a specific length if required.

A unique junction box effectively adds three more mounting base choices. This polycarbonate housing provides wiring space and a conduit external to the equipment on which the SIGNAL50 is attached. The junction box is used with the Pole Mount Base and comes in three versions. The first type screws directly to the mounting surface. The second type has a strong magnet bottom for a screwless attach-

ment and the third secures to the side mount bracket for vertical mount applications.

To complete the customizing of your SIGNAL50 Tower Light, bases and top caps may be ordered in either gray or black.



## SIGNAL50 Warning Tower Lights – Pre-assembled Units

### Ordering Instructions

- 1) Determine the number of levels (up to five) required in the Warning Tower Light (you will write the catalog number and price in the corresponding boxes below).
- 2) On the following page, choose the Base you require from Table A, and write the catalog code number and price adder in the "A" box.
- 3) Continue making selections for each colored box until the entire catalog number is complete.
- 4) Add all price adders and total your selections.

#### One Level Tower

Catalog Code Number → WTL –

A	B	C	D	E
\$	\$ 0	\$ 0	\$	\$ 0

Price Adder → = \$ \_\_\_\_\_

Level One

#### Two Level Tower

Catalog Code Number → WTL –

A	B	C	D	E	D	E
\$	\$ 0	\$ 0	\$	\$ 0	\$	\$ 0

Price Adder → = \$ \_\_\_\_\_

Level One      Level Two

#### Three Level Tower

Catalog Code Number → WTL –

A	B	C	D	E	D	E	D	E
\$	\$ 0	\$ 0	\$	\$ 0	\$	\$ 0	\$	\$ 0

Price Adder → = \$ \_\_\_\_\_

Level One      Level Two      Level Three

#### Four Level Tower

Catalog Code Number → WTL –

A	B	C	D	E	D	E	D	E	D	E
\$	\$ 0	\$ 0	\$	\$ 0	\$	\$ 0	\$	\$ 0	\$	\$ 0

Price Adder → = \$ \_\_\_\_\_

Level One      Level Two      Level Three      Level Four

#### Five Level Tower

Catalog Code Number → WTL –

A	B	C	D	E	D	E	D	E	D	E	D	E
\$	\$ 0	\$ 0	\$	\$ 0	\$	\$ 0	\$	\$ 0	\$	\$ 0	\$	\$ 0

Price Adder → = \$ \_\_\_\_\_

Level One      Level Two      Level Three      Level Four      Level Five

### Example

#### Three Level Tower (as pictured)

Catalog Code Number → WTL –

A	B	C	D	E	D	E	D	E
L1	B	120	D	3	D	5	L	4
\$ 64	\$ 0	\$ 0	\$ 38	\$ 0	\$ 38	\$ 0	\$ 154	\$ 0

Price Adder → = \$ 294

Level One      Level Two      Level Three

WTL-L1B120D3D5L4



**Table A – Base Type ❶**

Catalog Code	Description	Price Adder
<b>X</b>	Modules only (no base)	0
<b>SN</b>	Surface Mount (1/2" NPT Threading)	24
<b>SP</b>	Surface Mount (PG16 Threading)	24
<b>SM</b>	Surface Mount (M20 Threading)	24
<b>V</b>	Vertical Mount	28
<b>L</b>	Pole Mount Base – 5cm [≈2"] aluminum tube with polycarbonate foot & cap	41
<b>L1</b>	Pole Mount Base – 10cm [≈4"] aluminum tube with polycarbonate foot & cap	41
<b>L2</b>	Pole Mount Base – 25cm [≈9-7/8"] aluminum tube with polycarbonate foot & cap	45
<b>L4</b>	Pole Mount Base – 40cm [≈15-3/4"] aluminum tube with polycarbonate foot & cap	48
<b>L5</b>	Pole Mount Base – 50cm [≈19-11/16"] aluminum tube with polycarbonate foot & cap	57
<b>L6</b>	Pole Mount Base – 60cm [≈23-5/8"] aluminum tube with polycarbonate foot & cap	57
<b>L8</b>	Pole Mount Base – 80cm [≈31-1/2"] aluminum tube with polycarbonate foot & cap	65
<b>P</b>	Pole Mount Base – 5cm [≈2"] stainless steel tube with zinc die-cast foot & cap	78
<b>P1</b>	Pole Mount Base – 10cm [≈4"] stainless steel tube with zinc die-cast foot & cap	78
<b>P2</b>	Pole Mount Base – 25cm [≈9-7/8"] stainless steel tube with zinc die-cast foot & cap	92
<b>P4</b>	Pole Mount Base – 40cm [≈15-3/4"] stainless steel tube with zinc die-cast foot & cap	102
<b>P5</b>	Pole Mount Base – 50cm [≈19-11/16"] stainless steel tube with zinc die-cast foot & cap	114
<b>P6</b>	Pole Mount Base – 60cm [≈23-5/8"] stainless steel tube with zinc die-cast foot & cap	114
<b>P8</b>	Pole Mount Base – 80cm [≈31-1/2"] stainless steel tube with zinc die-cast foot & cap	139

**Table B – Base & Cap Color**

Catalog Code	Description	Price Adder
<b>B</b>	Black	0
<b>G</b>	Gray	0

**Table C – Voltage**

Catalog Code	Description	Price Adder
<b>12</b>	12V AC/DC Full Voltage	0
<b>24</b>	24V AC/DC Full Voltage	0
<b>120</b>	120V AC Full Voltage	0
<b>240</b>	240V AC Full Voltage	0

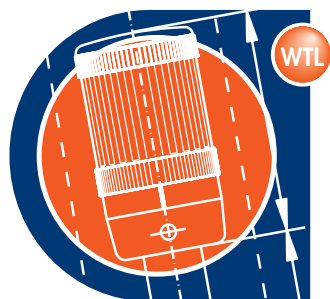
**Table D – Module Type**

Catalog Code	Description	Price Adder
<b>D</b>	Steady Incandescent	24
<b>F</b>	Flashing Incandescent	45
<b>Y</b>	Steady LED	76
<b>L</b>	Flashing LED ❷	97
<b>B</b>	Strobe	94
<b>AS</b>	Sound – single circuit, dual tone ❸	63
<b>AD</b>	Sound – dual circuit, dual tone ❸	68

**Table E – Lens Color**

Catalog Code	Description	Price Adder
<b>3</b>	Green	0
<b>4</b>	Red	0
<b>5</b>	Amber	0
<b>6</b>	Blue	0
<b>7</b>	Clear	0
<b>8</b>	Yellow	0

- ❶ For a Pole Mount Base with Junction Box, order desired Pole Mount from this table and field install Junction Box as an accessory.
- ❷ Assembled as a Flashing Module with Steady LED.
- ❸ Sound Modules must be installed as the last component (top level) of the tower light assembly.



## Compact 30mm towers, Preassembled to order & Ready to install

### New COMPACT30 Warning Tower Lights from j. Auer

#### Five Types of Illumination

#### Quick Mounting Foot Adapter

#### Compact Design

#### Two Piezo Sound Options

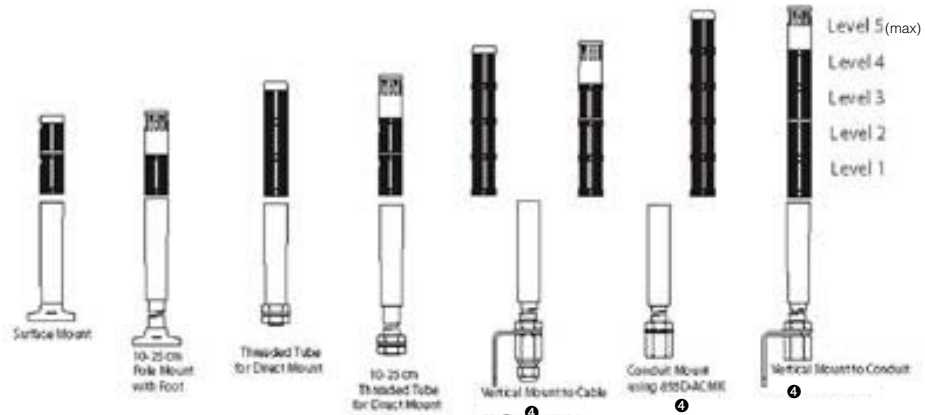


### Preassembled 30mm Warning Tower Lights

COMPACT30 Warning Tower Lights from the J. Auer company are the perfect compliment to Sprecher + Schuh's world class industrial control product line. All COMPACT30 are factory assembled from J. Auer and specifically built to meet the customer needs. Made of high-grade impact resistant material, this 30mm space saving line is also flexible and extremely easy to install.



**Important Note:**  
SIGNAL30 factory assembled. Modules and bases are not removable.



**WTL30 - P00 SC10 B 24 Y 3 Y 4 Y 5 L 7 P 1**  
a b c d e f g f g f g f g f g

Table A - Base Type		
Catalog Code	Description	Price Adder
P00	Surface Mount	89.60
P10	Pole Mount Base - 10cm aluminum tube with foot	95.20
P25	Pole Mount Base - 25cm aluminum tube with foot	100.80
T00	Direct Mount Base - 0cm M20 metric threaded tube	103.05
T10	Direct Mount Base - 10cm M20 metric threaded tube	108.65
T25	Direct Mount Base - 25cm M20 metric threaded tube	116.50

Table B - Network Option		
Catalog Code	Description	Price Adder
Blank	No Option Available	~

Table C - Cable Connector and Length		
Catalog Code	Description	Price Adder
SC10	Stranded cable, 1m, yellow jacket	~

Table D - Housing Color		
Catalog Code	Description	Price Adder
B	Black	~
G	Gray	~

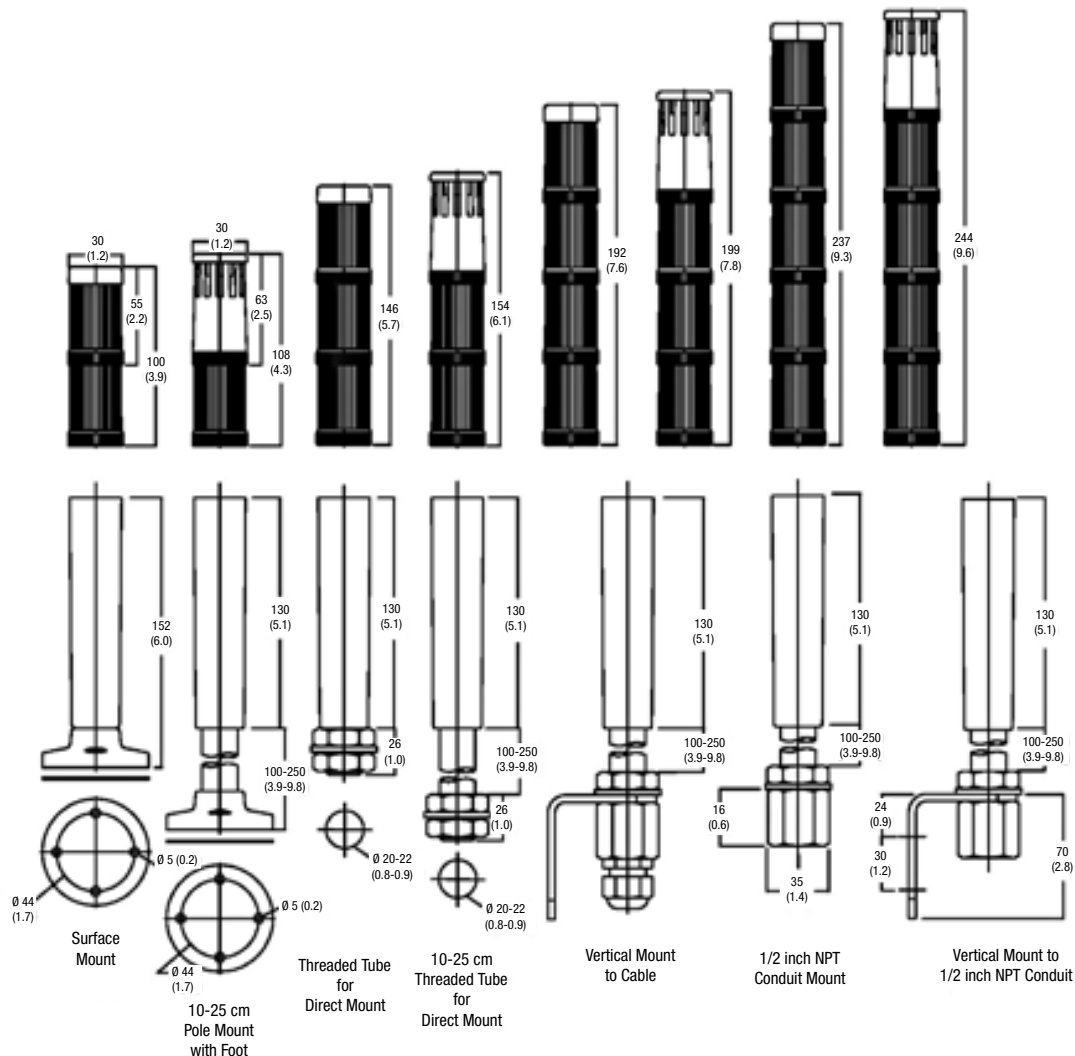
Table E - Voltage		
Catalog Code	Description	Price Adder
24	24V AC/DC Full Voltage	~
10	120V AC Full Voltage	16.80
20	240 V AC Full Voltage	16.80

Table F - Module Type ①②		
Catalog Code	Description	Price Adder
Y	Steady LED	49.30
L	Flashing LED	60.50
C	Piezo sound alarm, continuous tone	78.40
P	Piezo sound alarm, pulsing tone	78.40
Q	Dual circuit piezo sound alarm ③	89.60


Table G - Lens Color/Sound		
Catalog Code	Description	Price Adder
1	Sound Module	~
3	Green	~
4	Red	~
5	Amber	~
6	Blue	~
7	Clear	~
8	Yellow	~

- ① Sound Module types (C, P, Q) must be on the top-most level, they must be configured with Lens Color / Sound Code 1, and only one sound module is allowed for assembly.
- ② Light Module types (Y, L) can only be configured with Lens Color / Sound Codes 3, 4, 5, 6, 7 or 8.
- ③ If the dual circuit sound module (Q) is selected, the maximum number of light modules allowed is three (two module spaces are required for the dual circuit sound module).
- ④ Vertical and conduit mount accessories sold separately.

































## COMPACT30 Mount Bases and Turndown Boxes



## Accessories

Description	Description	Housing color	Catalog Number	Price	Qty
	<b>Gaskets</b> <b>Vertical Mount kit</b> 1pc L-bracket / 1pc thread adapter / 1pc black cable gland (1/2 NPT) / 1pc plastic washer (all parts in a heat sealed bag)	Black	700 130 900	31.40	1
		Gray	700 530 900		

## Product Overview

Visual Lighting Products	 <b>CLE</b> ø71	 <b>LGE</b> ø100	 <b>PHE</b> ø25	 <b>ME / MES</b> ø25	 <b>LCE</b> ø40	 <b>LES</b> ø50	 <b>LE / LEL</b> ø50	 <b>SE</b> ø57
	 <b>LU7</b> ø70	 <b>LGE</b> ø100	 <b>WEP / WE</b> 37.5 Profile	 <b>WM / WME-A</b> 80 Profile	 <b>HSST</b> ø50	 <b>WSL</b> ø50	 <b>XP</b> ø162	 <b>KX</b> ø100
Beacons / Cubes	 <b>RU</b> ø82	 <b>PS</b> ø82	 <b>PEW / PES</b> ø82	 <b>RH-A / RHB-A</b> ø100	 <b>WH-A / WHB-A / WK-A / WKB-A</b> ø100	 <b>SKH-EA</b> ø100	 <b>SKH-A / SKHB-A</b> ø118	 <b>KP</b> ø162
	 <b>BT</b>	 <b>PV</b>	 <b>EVW</b>	 <b>EVW</b>	 <b>PVW</b>	 <b>EW / EWS</b>	 <b>EB-K, EB-L, EMB, ESB, ETB</b>	 <b>BM</b>



## Product Overview



*Dedicated to the design and development of visual and audible signaling technology, PATLITE offers the industry's most comprehensive selection of signal towers, cube towers, rotating warning lights, voice synthesizers and audible alarms used to indicate machine status!*

Towers:  
Wiring  
Diagrams  
and  
Dimensions

### How to Order (Example)

**LME - 1 02 FB W - RYGBBC**

<b>Model</b>	<b>Light Style:</b>	<b>FB:</b>	<b>W:</b>	<b>Color:</b>
	1: 1 Light	Flashing & Buzzer	Direct Mount	R: Red
	2: 2 Light			Y: Yellow
	3: 3 Light			G: Green
	4: 4 Light			B: Blue
	5: 5 Light			C: Clear
		<b>Rated Voltage:</b>		(Top to Bottom)
		01: 12V DC		
		02: 24V (AC/DC)		
		12: 120V AC		
		23: 230-240V AC		



**KUS**  
ø70

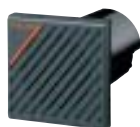


**KJS/KJSB**  
ø82



**KJ/KJB**  
ø116

Beacons  
& Cubes:  
Wiring  
Diagrams



**BA/  
BC**



**RT**



**LGEH**



**KJT**

Audibles:  
Sound  
List  
Selection  
Charts

Optional  
Parts

## BULB type

**WM-T** Continuous light

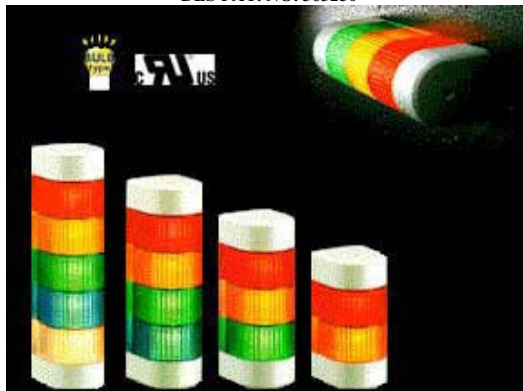
**WM-TFB** Continuous or flashing light with audible alarm

## LED type

**WME-A** Continuous light

**WME-AFB** Continuous or flashing light with audible alarm

DES PAT. NO. 363250



## BULB TYPE:

- Meets IP-54 (WM-T/WME-A continuous light only)
- Can be readily mounted vertically or horizontally to either front panel or ceilings.
- Integral audible alarm versions available. (80dB/m. +/- 750~930Hz)
- WME-AFB has 2 selectable, single-tone intermittent alarms.
- WM-TFB has 1 alarm with an alternating 2-tone.
- Newly developed lens offers the brightest light available and long life using a new shock resistant bulb. (DC Bayonet)
- Lenses are made of heat and shock resistant polycarbonate resin.
- FB type flashes 60 times per minute.
- Available colors are: Red, Yellow, Green, Blue, and Clear.
- NPN or PNP open collector transistor compatible. (24V only)
- All models are shipped completely pre-assembled and pre-wired. (Not stackable after purchase)
- 24V model is CE compliant. (EN60598-1)

Style	Model	Rated Voltage	Bulb	No.
2 Light	WM-202T WM-202TFB	24V AC/DC	28V 11W	39
	WM-212T WM-212TFB	120V AC	140V 13W	49
3 Light	WM-302T WM-302TFB	24V AC/DC	28V 11W	39
	WM-312T WM-312TFB	120V AC	140V 13W	49
4 Light	WM-402T WM-402TFB	24V AC/DC	28V 11W	39
	WM-412T WM-412TFB	120V AC	140V 13W	49
5 Light	WM-502T WM-502TFB	24V AC/DC	28V 11W	39
	WM-512T WM-512TFB	120V AC	140V 13W	49

- Notes:
- 200~240V AC version is available by special order.
  - FB type flashes 60 times per minute.

## LED TYPE:

Style	Model	Rated Voltage
2 Light	WME-202A WME-202AFB	24V AC/DC
	WME-2M2A WME-2M2AFB	90~250V AC
3 Light	WME-302A WME-302AFB	24V AC/DC
	WME-3M2A WME-3M2AFB	90~250V AC
4 Light	WME-402A WME-402AFB	24V AC/DC
	WME-4M2A WME-4M2AFB	90~ 250V AC
5 Light	WME-502A WME-502AFB	24V AC/DC
	WME-5M2A WME-5M2AFB	90~ 250V AC

- Notes:
- 200~240V AC version is available by special order.
  - Standard colors are Red, Yellow, Green, Blue and Clear.

**Low Profile Wall Mount LED Signal Light. "SUPER CLEAR" lenses and unique finishes offer seamless integration with existing equipment.**

## Wall Mount LED

### WE , WEP

*Continuous Light*

### WE-FB , WEP-FB

*Flashing Light  
w/ Audible Alarm*

- Ultra-slim profile (37.5mm) unit is designed to smoothly integrate with your equipment.
- All new light design uses "Side Projection" (Pat. Pend.) LED's and "Super Clear" lenses.
- Available in two finishes, cream (WEP) and chrome-plated (WE).
- IP-65 rating (IP-54 for FB version) for washdown and cleanroom environments.
- FB version features a flashing circuit and two-tone integral audible alarm (90 dB/m).
- Open-collector compatibility allows direct drive via a PLC.
- Available in 3, 4 or 5-tier styles in AC/DC24V.

Style	Model	Rated Voltage
3 Light	WE-302T-RYG	AC/DC24V
	WE-302T-RYB	
	WE-302T-RYC	
	WE-302TFB-RYG	AC/DC24V
	WE-302TFB-RYB	
	WE-302TFB-RYC	
	WEP-302T-RYG	AC/DC24V
	WEP-302T-RYB	
	WEP-302T-RYC	
	WEP-302TFB-RYG	AC/DC24V
	WEP-302TFB-RYB	
	WEP-302TFB-RYC	
4 Light	WE-402T-RYGB	AC/DC24V
	WE-402T-RYGC	
	WE-402T-CYGB	
	WE-402TFB-RYGB	AC/DC24V
	WE-402TFB-RYGC	
	WE-402TFB-CYGB	
	WEP-402T-RYGB	AC/DC24V
	WEP-402T-RYGC	
	WEP-402T-CYGB	
	WEP-402TFB-RYGB	AC/DC24V
	WEP-402TFB-RYGC	
	WEP-402TFB-CYGB	
5 Light	WE-502T-RYGBC	AC/DC24V
	WE-502TFB-RYGBC	AC/DC24V
	WEP-502T-RYGBC	
	WEP-502TFB-RYGBC	





**The New LU7 series Modular System Indicating Light -**  
is perfect for OEMs that offer different multi-stack versions in their machine design. **NEMA Rated:** NEMA Type 4, 4x, 13.

## Direct Mount

**LU7**

**Continuous  
Light**

**LU7-  
FB**

**Continuous and  
Flashing Light  
with Audible  
Alarms**



**Terminal  
Base**



- Size: 70mm diameter.
- No tools required to assemble.
- Easy wiring with spring loaded terminal block.
- Available in DC24V or AC90~250V.
- NPN or PNP open collector compatible (24V DC type), and NPN open collector compatible (90 ~250V AC type).
- FB type: Two selectable single-tone alarms, one intermittent and one continuous, with adjustable volume to 90dB (at 1m), and light has 60 flashes per minute.
- Pole mount options available: SZ-50L, SZ-50T (see Accessories page).
- Once mounted on a machine, the tower can easily be removed from the terminal base for shipping, and re-installed without tools.
- Meets IP-65.
- NEMA Rated: NEMA Type 4, 4X, 13.
- *Assembly Required*

## How to Order:

Base Module (including cap)		
Model	Rated Voltage	Alarm / Flash
LU7-02	24V DC	—
LU7-02FB	24V DC	2 Alarms / Flash
LU7-M2	90~ 250V AC	—
LU7-M2FB	90~250V AC	2 Alarms / Flash

LED Module	
Model	Color
LU7-E-R	Red
LU7-E-Y	Yellow
LU7-E-G	Green
LU7-E-B	Blue
LU7-E-C	Clear

PATLITE's LME Series Compact Signal Towers take the next step in signaling technology. Each LED module uses a patented double reflection system to maximize the brilliance of the high intensity LEDs. Up to 5 colors can be mounted along with an integral alarm and flashing circuit. **NEMA Rated:** NEMA Type 4, 4x, 13.

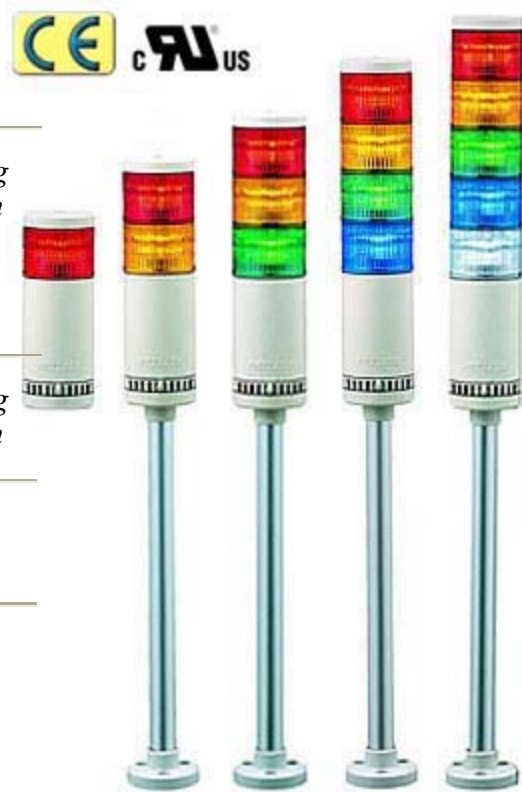
**Pole Mount**  
**LME-T** *Continuous light*

**LME-TFB** *Continuous or flashing light w/ audible alarm*

**Direct Mount**  
**LME-TW** *Continuous light*

**LME-TFBW** *Continuous or flashing light w/ audible alarm*

**LED Type Light**



- Size: 60mm diameter.
- Available in 24V AC/DC and 120V AC versions.
- FB types include two selectable, single-tone intermittent alarms with adjustable volume to 90dB (at 1m).
- Colors available: red, yellow, green, blue and clear.
- LED modules are interchangeable and stackable after purchase, up to 5 modules (New shaft purchase is required).
- Units are shipped completely pre-wired and pre-assembled.
- Pole mount version includes 300mm aluminum pole and plastic topmount bracket.
- New Independent Control of individual Light Modules.
- NPN or PNP open collector (24V type), and NPN open collector (120V type).
- All models are CE compliant.
- Meets IP-65 (FB type meets IP-54).
- NEMA Rated: NEMA Type 4, 4X, 13.
- Optional mounting brackets available.

Style		Model	Rated Voltage	Wattage
1 Light	Direct Mount	LME-102TW LME-102TFBW	24V AC/DC	2.2W
	Direct Mount	LME-112TW LME-112TFBW	120V AC	5.1W
	Pole Mount	LME-102T LME-102TFB	24V AC/DC	2.2W
	Pole Mount	LME-112T LME-112TFB	120V AC	5.1W
.		.	.	.
2 Light	Direct Mount	LME-202TW LME-202TFBW	24V AC/DC	3.4W
	Direct Mount	LME-212TW LME-212TFBW	120V AC	7.1W
	Pole Mount	LME-202T LME-202TFB	24V AC/DC	3.4W
	Pole Mount	LME-212T LME-212TFB	120V AC	7.1W
.		.	.	.
3 Light	Direct Mount	LME-302TW LME-302TFBW	24V AC/DC	3.8W
	Direct Mount	LME-312TW LME-312TFBW	120V AC	7.9W
	Pole Mount	LME-302T LME-302TFB	24V AC/DC	3.8W
	Pole Mount	LME-312T LME-312TFB	120V AC	7.9W
.		.	.	.
4 Light	Direct Mount	LME-402TW LME-402TFBW	24V AC/DC	4.2W
	Direct Mount	LME-412TW LME-412TFBW	120V AC	8.7W
	Pole Mount	LME-402T LME-402TFB	24V AC/DC	4.2W
	Pole Mount	LME-412T LME-412TFB	120V AC	8.7W
.		.	.	.
5 Light	Direct Mount	LME-502TW LME-502TFBW	24V AC/DC	4.6W
	Direct Mount	LME-512TW LME-512TFBW	120V AC	9.5W
	Pole Mount	LME-502T LME-502TFB	24V AC/DC	4.6W
	Pole Mount	LME-512T LME-512TFB	120V AC	9.5W



## Audible Hybrids

# WVG

- Colors available: red, yellow, green and blue.
- Alarming/warning guidance system with voice messages and flashing LED light.
- Effective for audio/visual guidance at public facilities such as train platforms, bathrooms, etc.
- Pre-recorded with custom programming available at PATLITE.
- High quality sound with a max. output of 90dB/m provide clear messages, even in a crowd.
- 3 message channels for various applications. One channel has priority for emergency/security purposes.
- Has 3 messages for a total of 32 seconds.
- NPN open collector transistor compatible.
- Not field recordable.

AC 120V	90 dB/m	32 Sec.	Open- Collector	Pre- Assembled Pre-Wired
------------	------------	---------	--------------------	--------------------------------

## Wall Mount Voice Synthesizer with LED signal light

**LED**  
Type Light



MODEL	WG-03TT
Rated Voltage	AC120V, 50~60Hz
Sound pressure level	90dB (at 1m) adjustable
Audio file	MPEG1-Audio Layer 3 (MP3)
Bit rate	64kbit/s
Audio memory capacity	2Mbit (32 seconds message in total when recorded at bit rate 64kbit/s)
Message combination	Max. 16 phrases
Interface for data modification	Multimedia card interface (use FV-MC)
Mounting place	Indoor only
Weight	600g±10%
Dimensions	240(H)x119(W)x65(D)



WG-03TT-B



WG-03TT  
(No LED)



WG-03TT-G



WG-03TT-R



WG-03TT-Y



## LED Beacons SB-06

- Operates by Solar Battery.
- Ideal for applications that do not have power sources available.
- LED simulated rotation.
- Color available: red.
- Dome lens is made of heavy duty acrylic.
- Housing is made of stainless steel SUS304.
- Visible from approx. 650 yards away during night time (with clear conditions).
- Model SB-06P operates for approx. 11 days, Model SB-06A operates for approx. 9 days (note: only during night time operation).
- Operation by an external contact is possible.

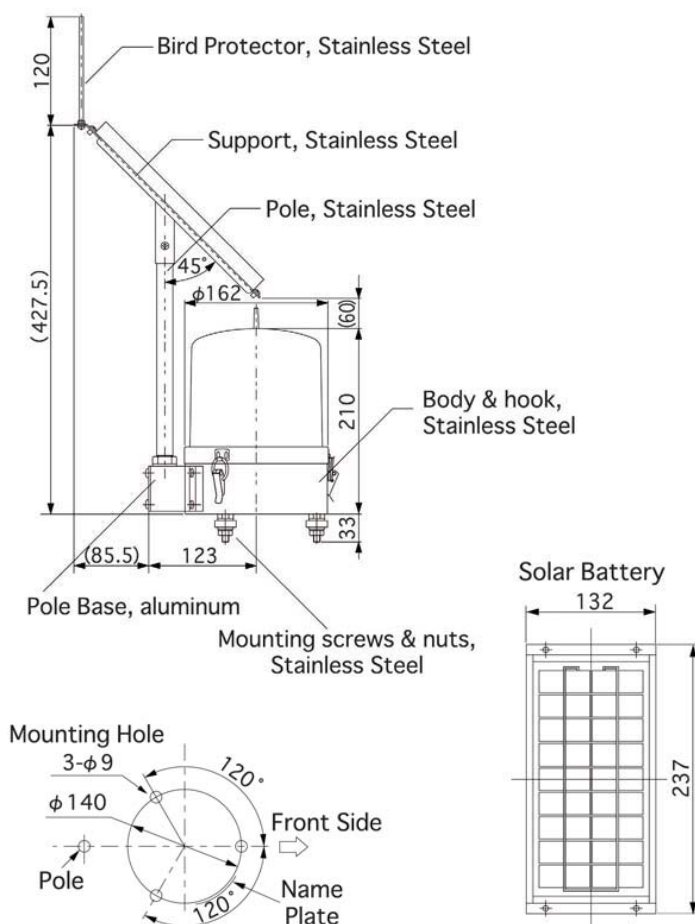
ø162mm Dome (6.38 in)



## Solar Battery Powered LED Beacon

*High level of brightness with long battery life.*

### Dimensions (mm)



### Specifications

MODEL	SB-06A	SB-06P
Solar Battery	Max. output	2.5W
	Max. output current	0.28A
	Max. output voltage	8.5V
Inside Battery	Nominal voltage	6V
	Nominal current	5.0Ah
LED	Red LED, 24 pcs. , Flashing speed 100/minute	
Continuous operation without recharge at 77°F	approx. 11 days	approx. 9 days
Continuous operation without recharge at 77°F*	approx. 6 days *	approx. 5 days *
Operating temperature	-22°F to 140°F	5°F to 140°F
Weight	3.8 kg	3.5 kg

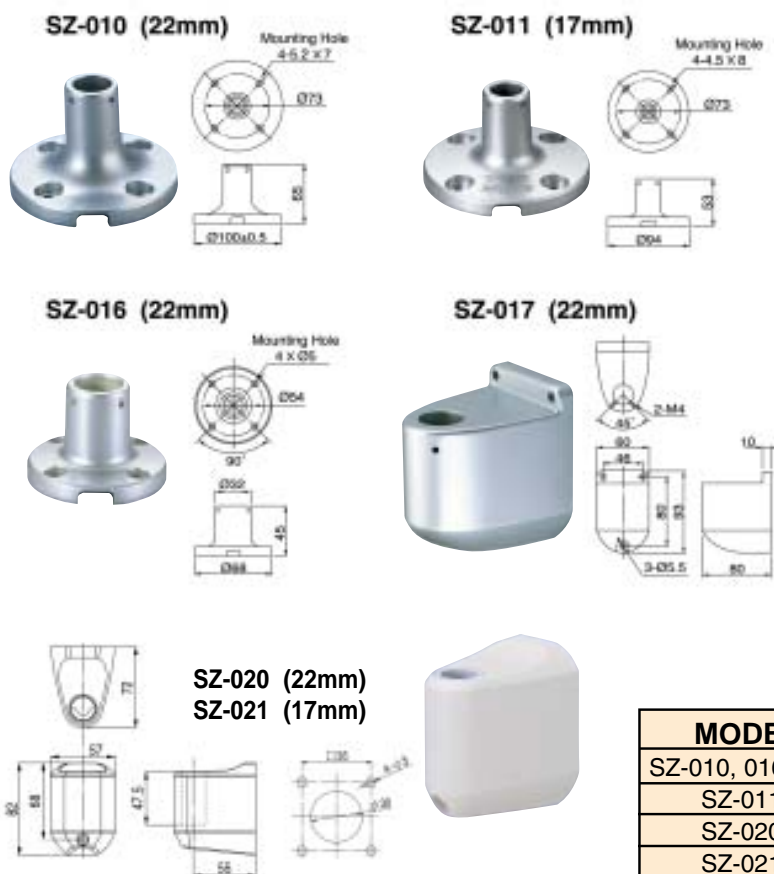
\* With 24 hours/day continuous operation by an external contact.  
Continuous operation without recharge is subject to ambient condition.

### Mounting Poles & Brackets (mm)



PART No.	MODEL	PART No.	MODEL	PART No.	MODEL	PART No.	MODEL	PART No.	MODEL
SZ-70L	LME-W	SZ-60L	LEL	SZ-50L	LHE-A, LU7	SZ-40L	KUS	SZ-30L	KUS, XX, LGE, PES, PS,
SZ-80L	LCE-W	SZ-60T	LES-AW	SZ-50T		SZ-40T		SZ-30T	SKH-A, SKH-EA, RH-A, RU

### Mounting Brackets (mm)



### Rubber Gaskets (mm)



MODEL	PRODUCT
SZ-200A	KX-T, RHB-A, SKH-EA
SZ-210	PES, PS, PSF, RU

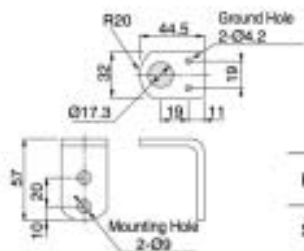


MODEL	PRODUCT
SZ-010, 016, 017	LME, LME-L, RUP, SE-T, ST, STPB
SZ-011	LCE, LE-P, LES-A
SZ-020	LME
SZ-021	LCE, LE-P, LES-A
SZ-903	LCE, LE-P, LES-A, ME, MEL, MES, MT
SZ-904	LME-L, RUP, SE-T, ST, STPB



## Mounting Brackets (mm)

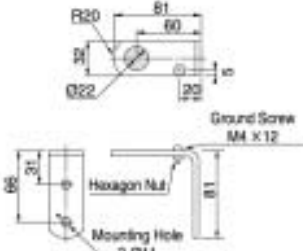
SZ-012



(Pole is not included)

MODEL	PRODUCT
SZ-012	LCE, LE-P, LES-A

SZ-013



(Pole is not included)

MODEL	PRODUCT
SZ-013	LME-L, ME, MEL, MES, MT, RUP, SE-T, ST, STPB

SZ-007



MODEL	PRODUCT
SZ-007	KJS, KUS, KX, LGE, LHE-A, LME, LU PES, PS, RH-A, RU, SKH-A, SKH-EA

SZ-008



MODEL	PRODUCT
SZ-008	KJ, K/JT, KP, RT

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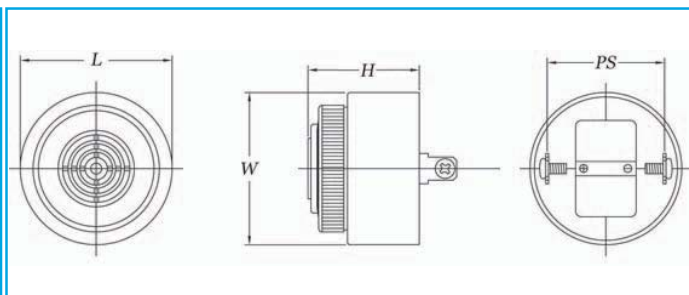
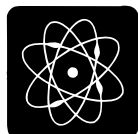
### We Still Want You to Call

our highly trained inside sales & technical staff so that we may continue to provide the individual AAA attention you deserve.

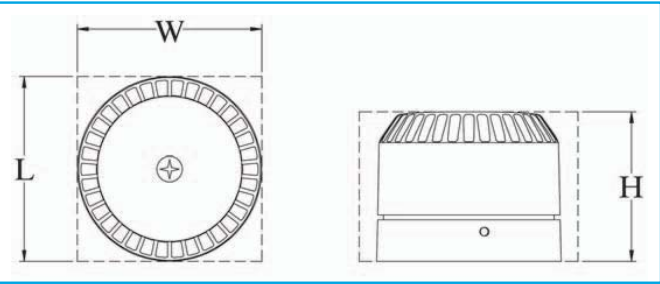
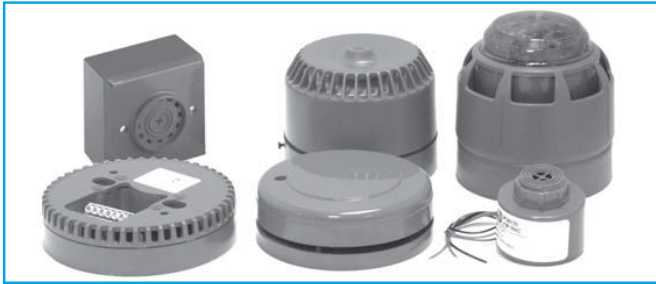
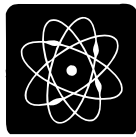
16







Panel Mount												
Part Number	H (mm)	W (mm)	L (mm)	PS (mm)	Res. Freq. (Khz)	Tone	SPL Min (10cm)	Voltage Range	Rated Voltage	Firing Type	Washable	
AI-3622-P-S15-R	32	36	36	25.5	2.2 ± 0.3	Siren	105	5 - 15	9 Vdc	Top	IP67	
AI-3622-P-S-12V-R	35.5	36	36	25.5	2.2 ± 0.5	Siren	105	3 - 18	12 Vdc	Top	IP67	
AI-3622-P-S-28V-R	35.5	36	36	25.5	2.2 ± 0.5	Siren	105	6 - 28	28 Vdc	Top	IP67	
AI-3629-P-30V-R	25.5	36	36	25.5	2.9 ± 0.5	Cont	100	5 - 32	30 Vdc	Top	IP67	
AI-3629-P-FP-100V-R	35.5	36	36	25.5	2.9 ± 0.5	Fast	105	25 - 130	110 Vac	Top	IP67	
AI-3736-P-C28-R	23.5	36.5	36.5	23	3.6 ± 0.5	Cont	90	4 - 28	12 Vdc	Top	No	
AI-4028-P-SP32-R	23	40	40	25.5	2.8 ± 0.5	Slow	98	3 - 32	12 Vdc	Top	IP67	
X-4035-P-FP32-R	23	40	40	25.7	2.8 ± 0.5	Fast	95	3 - 32	32 Vdc	Top	No	
X-4028-P-C32-R	23	40	40	26	2.8 ± 0.5	Cont	105	3 - 32	32 Vdc	Top	No	
AI-4228-S-C28-R	14.5	42	42	10	2.9 ± 0.5	Cont	88	4 - 28	12 Vdc	Top	No	
AI-4228-S-FP16-R	14.5	42	42	10	2.9 ± 0.5	Fast	88	6 - 16	12 Vdc	Top	No	
AI-4228-S-SP16-R	14.5	42	42	10	2.9 ± 0.5	Slow	88	6 - 16	12 Vdc	Top	No	
AI-4230-S-C24-R	20.5	42	42	10	2.9 ± 0.5	Cont	95	1 - 28	24 Vdc	Top	No	
AI-4219-P-C28-R	32.5	42.5	42.5	33	1.9 ± 0.5	Cont	81	6 - 28	12 Vdc	Top	IP67	
AI-4219-P-C48-R	32.5	42.5	42.5	33	1.9 ± 0.5	Cont	81	10 - 48	24 Vdc	Top	IP67	
AI-4228-P-C120-R	32.5	42.5	42.5	33	2.8 ± 0.5	Cont	92	30 - 120	110 Vac/Vdc	Top	IP67	
AI-4228-P-C250-R	42	42.5	42.5	33	2.8 ± 0.5	Cont	94	60 - 250	220 Vac/Vdc	Top	IP67	
AI-4228-P-C28D-R	32.5	42.5	42.5	33	2.8 ± 0.5	Cont	90	6 - 28	12 Vac/Vdc	Top	IP67	
AI-4228-P-C28-R	32.5	42.5	42.5	33	2.8 ± 0.5	Cont	88	6 - 28	12 Vdc	Top	IP67	
AI-4228-P-C48-R	32.5	42.5	42.5	33	2.8 ± 0.5	Cont	86	10 - 48	12 Vdc	Top	IP67	
AI-4228-P-FP120-R	32.5	42.5	42.5	33	2.8 ± 0.5	Fast	92	30 - 120	110 Vac/Vdc	Top	IP67	
AI-4228-P-FP250-R	42	42.5	42.5	33	2.8 ± 0.5	Fast	94	60 - 250	220 Vac/Vdc	Top	IP67	
AI-4228-P-FP28D-R	32.5	42.5	42.5	33	2.8 ± 0.5	Fast	90	6 - 28	12 Vac/Vdc	Top	IP67	
AI-4228-P-FP28-R	32.5	42.5	42.5	33	2.8 ± 0.5	Fast	88	6 - 28	12 Vdc	Top	IP67	
AI-4228-P-SP120-R	32.5	42.5	42.5	33	2.8 ± 0.5	Slow	92	30 - 120	110 Vac/Vdc	Top	IP67	
AI-4228-P-SP250-R	42	42.5	42.5	33	2.8 ± 0.5	Slow	94	60 - 250	220 Vac/Vdc	Top	IP67	
AI-4228-P-SP28D-R	32.5	42.5	42.5	33	2.8 ± 0.5	Slow	90	6 - 28	12 Vac/Vdc	Top	IP67	
AI-4228-P-SP28-R	32.5	42.5	42.5	33	2.8 ± 0.5	Slow	88	6 - 28	12 Vdc	Top	IP67	
AI-4328-P-C28-R	33	42.5	42.5	33	2.8 ± 0.5	Cont	91	4 - 28	12 Vdc	Top	IP67	
AI-4328-P-FP250-R	42	42.5	42.5	33	2.8 ± 0.5	Fast	91	60 - 250	220 Vac/Vdc	Top	IP67	
AI-4228-P-C18-R	32.5	42.5	42.5	33	2.9 ± 0.5	Cont	108	7 - 18	12 Vdc	Top	IP67	
AI-4228-P-CH16-R	32.5	42.5	42.5	33	2.9 ± 0.5	Chime	86	6 - 16	12 Vdc	Top	IP67	
AI-4228-P-FP18-R	32.5	42.5	42.5	33	2.9 ± 0.5	Fast	108	7 - 18	12 Vdc	Top	IP67	
AI-4228-P-SP18-R	32.5	42.5	42.5	33	2.9 ± 0.5	Slow	108	7 - 18	12 Vdc	Top	IP67	
AI-4328-P-C120D-R	33	43	43	33	2.8 ± 0.5	Cont	98	30 - 120	110 Vac/Vdc	Top	IP67	
AI-4328-P-C28-2-R	33	43	43	33	2.8 ± 0.5	Cont	97	4 - 28	12 Vdc	Top	IP67	
AI-4329-P-FP28-R	33	43	43	33	2.9 ± 0.5	Fast	88	6 - 28	12 Vdc	Top	IP67	
AI-4329-P-SP28-R	33	43	43	33	2.9 ± 0.5	Slow	88	4 - 28	12 Vdc	Top	IP67	
AI-4429-P-C12-R	34.5	43.5	43.5	30	2.9 ± 0.5	Cont	105	1 - 16	12 Vdc	Top	IP67	
AI-4429-P-CP12-R	34.5	43.5	43.5	33	2.9 ± 0.5	Mult	100	4 - 16	12 Vdc	Top	IP67	
X-5328-P-C-LW165-R	31	53	53	N/A	2.8 ± 0.5	Cont	103	3 - 12	6 Vdc	Top	No	



Sirens							
Part Number	H (mm)	W (mm)	L (mm)	Voltage Range	Tones	Strobe	IP
AVW-15LPNBR-RL	80	93	93	9~28 Vdc	32 Tones	Red	54 / 65
AVW-15SBR-AL-12	92	93	93	9~15 Vdc	32 Tones	Amber	54 / 65
AVW-15SBR-AL-24	92	93	93	18~30 Vdc	32 Tones	Amber	54 / 65
AVW-15SBR-RL-12	92	93	93	9~15 Vdc	32 Tones	Red	54 / 65
AVW-15SBR-RL-24	92	93	93	18~30 Vdc	32 Tones	Red	54 / 65
AVW-15SBW-AL-12	92	93	93	9~15 Vdc	32 Tones	Amber	54 / 65
AVW-15SBW-AL-24	92	93	93	18~30 Vdc	32 Tones	Amber	54 / 65
AVW-15SBW-BL-12	92	93	93	9~15 Vdc	32 Tones	Blue	54 / 65
AVW-15SBW-BL-24	92	93	93	18~30 Vdc	32 Tones	Blue	54 / 65
AVW-15SBW-CL-12	92	93	93	9~15 Vdc	32 Tones	Clear	54 / 65
AVW-15SBW-CL-24	92	93	93	18~30 Vdc	32 Tones	Clear	54 / 65
AW-05CR-NC	27	113	113	10~28 Vdc	32 Tones	N/A	54
AW-05CW-NC	27	113	113	10~28 Vdc	32 Tones	N/A	54
AW-05MR	26	102	102	9~30 Vdc	8 Tones	N/A	54
AW-05MW-NC	26	102	102	9~30 Vdc	8 Tones	N/A	54
AW-10CFR	42	86	86	9~28 Vdc	32 Tones	N/A	54
AW-10CFW	42	86	86	9~28 Vdc	32 Tones	N/A	54
AW-10CSR	42	86	86	9~28 Vdc	32 Tones	N/A	N/A
AW-10CSW	42	86	86	9~28 Vdc	32 Tones	N/A	N/A
AW-10FR	43	52.5	71	9~28 Vdc	32 Tones	N/A	65
AW-10FR-NSVC	43	52.5	71	9~28 Vdc	2 Tones	N/A	65
AW-10FW	43	52.5	71	9~28 Vdc	32 Tones	N/A	65
AW-10FW-NSVC	43	52.5	71	9~28 Vdc	2 Tones	N/A	65
AW-10PR	45	50	50	9~28 Vdc	32 Tones	N/A	65
AW-10PR-NSVC	45	50	50	9~28 Vdc	2 Tones	N/A	65
AW-10PW	45	50	50	9~28 Vdc	32 Tones	N/A	65
AW-10PW-NSVC	45	50	50	9~28 Vdc	2 Tones	N/A	65
AW-15LPSBR	63	93	93	9~28 Vdc	32 Tones	N/A	65
AW-15LPSBW	63	93	93	9~28 Vdc	32 Tones	N/A	65
AW-15SBR	75	93	93	9~28 Vdc	32 Tones	N/A	65
AW-15SBR-120	75	93	93	110~230 Vac	32 Tones	N/A	65
AW-15SBW	75	93	93	9~28 Vdc	32 Tones	N/A	65
AW-15SBW-120	75	93	93	110~230 Vac	32 Tones	N/A	65
AW-15SBW-VOICE	83	95	95	18~30 Vdc	Voice	N/A	65
AW-30SBR	95	109	109	9~28 Vdc	32 Tones	N/A	42
AW-30SBW	95	109	109	9~28 Vdc	32 Tones	N/A	42
AWB-20R6-12	63	152	152	8~16 Vdc	Bell	N/A	42
AWB-20R6-24	63	152	152	18~30 Vdc	Bell	N/A	42
AWB-25R6-12	85	155	155	9~15 Vdc	Bell	N/A	55
AWB-25R6-24	85	155	155	18~30 Vdc	Bell	N/A	55
VW-05MR-RL	57.7	102	102	9~28 Vdc	N/A	Red	54 / 65
VW-35SBR-RL	54	93	93	9~28 Vdc	N/A	Red	54 / 65





Single Flash Strobe Priced from \$60

**MICRO IV™**



The MICRO IV strobe family is an enhanced version of the MICROSTROBE® featuring a power supply which can operate from a very wide input voltage range of 12 thru 80VDC or 16 thru 24VAC. The supply has a regulated output so that the lamp brightness and flash remain constant when operated over the rated input voltage range. The power supply is potted in polyurethane for the ultimate in protection from moisture and vibration. The enclosure is all Lexan®, and the plug-in lamp is field replaceable. All units are polarity protected and have built-in filters to protect against radio interference and spike voltages. The MICRO IV is covered by a 10 year warranty (described below). The MICRO IV and its guard are UL component recognized for type E, EE, and ES electric industrial trucks covered by UL standard #583 (UL File #AU 2049).

## ORDERING INFORMATION

Please specify lens color and the model number desired. Colors available are AMBER, BLUE, CLEAR, GREEN, or RED.

Model No.	Description	Voltage
470S-1280	Surface Mount	12 thru 80VDC
470SMB-1280	Mag Mount & 6' Straight Cord	12 thru 80VDC
470SMB-1280/CC	Mag Mount & Coiled Cord	12 thru 80VDC
485S-1280	Screw-in Light Bulb Base	12 thru 80VDC
490S-1280	1/2" Pipe Mount Hub	12 thru 80VDC
492S-1280	3/4" IPS Slip Mount	12 thru 80VDC
495S-1280	1/2" Male PipeThread Mount	12 thru 80VDC
470SSGP-1280	Wall Plate Mount	12 thru 80VDC

### Options

G470	Heavy Duty Guard
BKT	Mounting Bracket with U Bolts
LBO-MINI	Lens Blackout Reflector 180°
MICROSHIELD	Removeable, vinyl, 180° Lens Blackout

### Ordering Example

Model No.	Options
470S-1280-AMBER	+ LBO-MINI

#### Application Note for 120VAC Units

120VAC units that are going to be switched on-off with a solid state relay should be ordered with option /TRIAC-SW to prevent false operation from snubber leakage current.

## SPECIFICATIONS

### Lamp Type

5001 Xenon Strobe Lamp

### Lens Type

470S-L-COLOR (Please Specify Color)

### Voltage and Amperage

12-80VDC	Draws	.4 A	avg. @ 12VDC tapering to
		.05 A	avg. @ 80VDC draw @
		.20 A	avg. @ 24VDC
16-24VAC	Draws	.35 A	

### Power Supply Output 2.7 Watts

1.75 Joules per Flash

### Flash Rate

60 to 80 Flashes per Minute

### Intensity

CLEAR	50	Candela eff.
AMBER	40	Candela eff.
BLUE	20	Candela eff.
RED	10	Candela eff.
GREEN	20	Candela eff.

### Size and Weight

5" Tall	x	3" Dia.	.6 lbs.
(127 mm)		(76 mm)	(.27 kg)

