# BRIDGEPORT SWITCH PRODUCT CATALOG





Audible Signals

- Bells
- Buzzers
- Horns

Builder's Chimes

Call for Assistance

Door Switches

Electric Door Strikes

Push Buttons

Transformers

Vaporproof Lighting

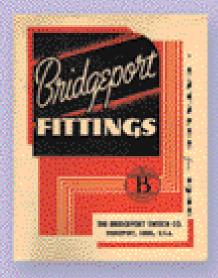
Visual Signals

- Flashing Lights
- Rotating Lights
- Steady-On Lights
- Strobes



## The History of Bridgeport Switch







Originally established as the Bridgeport Switch
Company in 1925, the company's product line consisted
of electrical switches, bells, buzzers and receptacles. In
1930, Bridgeport began fulfilling customer requests for
electrical fittings – a product offering so successful that
the company shifted its focus to manufacturing conduit
and cable fittings for the electrical industry.

Quality fittings of malleable iron, steel, aluminum and brass soon became the main product focus and, in 1948, the company's name was officially changed to Bridgeport Fittings, Inc. Continued new product development, coupled with the company's desire to be the market leader in quality conduit fittings, led to the introduction of zinc die-cast products in 1958. Two of those products, BX and Romex connectors, remain popular today.

Bridgeport's product lines continued to grow and expand over the years. Indeed, many have commented upon Bridgeport returning to its formidable roots, providing the electrical industry with a broad and reaching range of product – the finest electrical fittings, conduit bodies, grounding clamps, service entrance, voice, data, actuation, annunciation, and alarm equipment on the market today.

For more than 80 years, the name Bridgeport has become synonymous with quality. The company continues its long tradition of quality and excellence in every aspect of its organization, from the company's extensive line of approximately 2,000 electrical products, to its advanced inspection techniques, world-class assembly equipment, web-based order system, and exceptional sales support, training, and customer service.

Confirming Bridgeport's commitment to quality, the company continues its personal involvement on committees at Underwriters laboratories, Canadian Standards Association, and National Electrical Manufacturers Association, helping to formulate standards that drive excellence and innovation in product design and performance.

Still privately owned and operated in Stratford, Connecticut, in a 165,000 square-foot, state-of-the-art manufacturing and distribution facility on the scenic shores of Long Island Sound, Bridgeport Fittings continues to produce America's highest quality electrical products.



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# AC & DC Vibrating Bells 400 SERIES

#### **Features**

- 6", 8" and 10" Bells May be Made Weatherproof using the B437WPBX Back Box
- AC & DC Models Available (see chart on opposite page)
- Corrosion Resistant Red and Gray Epoxy Finishes
- 4", 6", 8" and 10" Gong Sizes
- Low Current Draw
- 86 dB (min.) at 10 ft. (3.05m)

## **Agency Approvals**

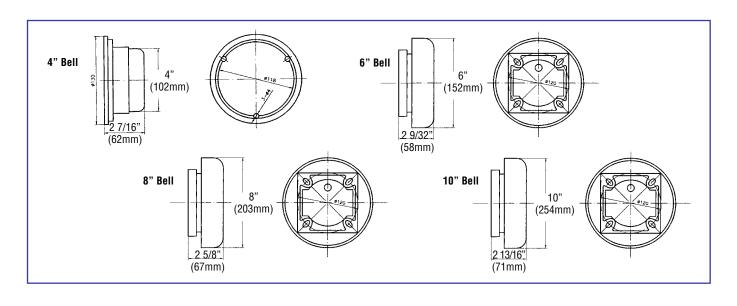
- UL Listed
- cUL Listed

Bridgeport vibrating bells are durable and dependable units that produce a continuous ringing sound. The striker continues to strike the gong as long as current is applied to the bell.

6", 8", and 10" versions mount on 4" (102mm) square back box. 4" versions may only be surface or panel mounted. 6", 8" and 10" may be made weatherproof (NEMA 3R) by using the B437WPBX back box. Back boxes are available in red or gray epoxy finishes.

Typically used for scheduling and general alarm applications.

## BELLS & BUZZERS



Cat. No.	Description	Amps	dB (Min.)
437-4-6	Alarm Bell, 4" Gray Gong, 6 VDC	0.50	86
437-4R-6	Alarm Bell, 4" Red Gong, 6 VDC	0.50	86
437-4-12	Alarm Bell, 4" Gray Gong, 12 VDC	0.60	86
437-4R-12	Alarm Bell, 4" Red Gong, 12 VDC	0.60	86
437-4-24	Alarm Bell, 4" Gray Gong, 24 VDC	0.30	86
437-4R-24	Alarm Bell, 4" Red Gong, 24 VDC	0.30	86
437-4-120	Alarm Bell, 4" Gray Gong, 120 VAC	0.15	86
437-4R-120	Alarm Bell, 4" Red Gong, 120 VAC	0.15	86
437-6-6	Alarm Bell, 6" Gray Gong, 6 VDC	0.50	86
437-6R-6	Alarm Bell, 6" Red Gong, 6 VDC	0.50	86
437-6-12	Alarm Bell, 6" Gray Gong, 12 VDC	0.85	86
437-6R-12	Alarm Bell, 6" Red Gong, 12 VDC	0.85	86
437-6-24	Alarm Bell, 6" Gray Gong, 24 VDC	0.30	86
437-6R-24	Alarm Bell, 6" Red Gong, 24 VDC	0.30	86
437-6-120	Alarm Bell, 6" Gray Gong, 120 VAC	0.10	86
437-6R-120	Alarm Bell, 6" Red Gong, 120 VAC	0.10	86
437-8-6	Alarm Bell, 8" Gray Gong, 6 VDC	0.50	86
437-8R-6	Alarm Bell, 8" Red Gong, 6 VDC	0.50	86
437-8-12	Alarm Bell, 8" Gray Gong, 12 VDC	0.85	86
437-8R-12	Alarm Bell, 8" Red Gong, 12 VDC	0.85	86
437-8-24	Alarm Bell, 8" Gray Gong, 24 VDC	0.30	86
437-8R-24	Alarm Bell, 8" Red Gong, 24 VDC	0.30	86
437-8-120	Alarm Bell, 8" Gray Gong, 120 VAC	0.10	86
437-8R-120	Alarm Bell, 8" Red Gong, 120 VAC	0.10	86
437-10-6	Alarm Bell, 10" Gray Gong, 6 VDC	0.50	86
437-10R-6	Alarm Bell, 10" Red Gong, 6 VDC	0.50	86
437-10-12	Alarm Bell, 10" Gray Gong, 12 VDC	0.85	86
437-10R-12	Alarm Bell, 10" Red Gong, 12 VDC	0.85	86
437-10-24	Alarm Bell, 10" Gray Gong, 24 VDC	0.30	86
437-10R-24	Alarm Bell, 10" Red Gong, 24 VDC	0.30	86
437-10-120	Alarm Bell, 10" Gray Gong, 120 VAC	0.10	86
437-10R120	Alarm Bell, 10" Red Gong, 120 VAC	0.10	86
B437WPBX-G	Gray Weatherproof Back Box	N/A	N/A
B437WPBX-R	Red Weatherproof Back Box	N/A	N/A





# **General Purpose Bell**

## **FULLY ENCLOSED**

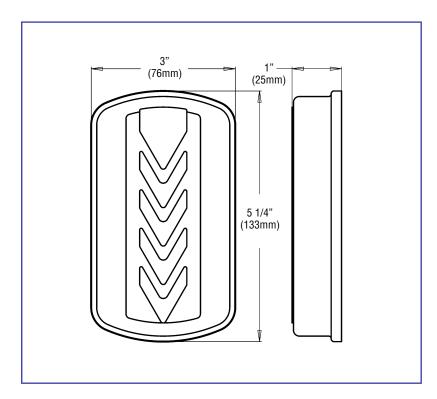
**CAT. NO. GP-501** 

### **Features**

- Low Voltage
- AC and DC Operation
- Snap-on Covers
- Enclosed Terminals
- Corrosion Resistant Chrome Finish

Low cost bell which may be operated off of a Bridgeport 600 series transformer or DC power. See Transformer Catalog Page 26. The sound output of the bell is not adjustable.

Often used in homes, apartment houses, and manufacturing facilities. Especially suitable for security system applications.



Cat. No.	Volts	Amps	VA	DC Coil Res. (OHMS)	dB 1m/10ft.
GP-501	6-8VAC 3-6VDC	1.20A	7.0	3	84 / 78

# General Purpose Bells & Buzzers

## **Fully Enclosed**

## CAT. NO. GP-502 & GP-503





GP-502

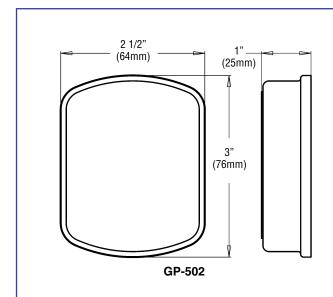
**GP-503** 

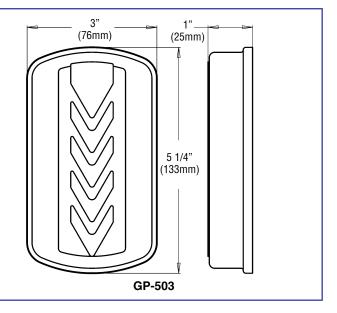
The Cat. No. GP-502 is a low cost buzzer. The Cat. No. GP-503 is a low cost, combination bell and buzzer. The GP-503 has a grounded frame. May be operated using AC power supplied by a Bridgeport 600 series transformer or from DC power. See Transformer Catalog Page 26. The sound output of the GP-502 and the GP-503 is not adjustable.

Often used in homes, apartment houses, and manufacturing facilities. Especially suitable for security system applications.

### **Features**

- Low Voltage
- Snap-on Covers
- Dual Coil Design
- Corrosion Resistant Chrome Finish
- Enclosed Terminals





Cat. No.	Volts	Amps	VA	DC Coil Res. (OHMS)	dB 1m/10ft.	A	В
GP-502	8-16V AC 3-6V DC	1.20A	7.2	2.5	88 / 82	2 15/32" (63mm)	2 15/16" (75mm)
GP-503	6-8V AC 3-6V DC	1.2A	8	3	88 / 82	3" (76mm)	5 1/4" (133mm)



# **General Purpose Bells**

**Open Gong** 

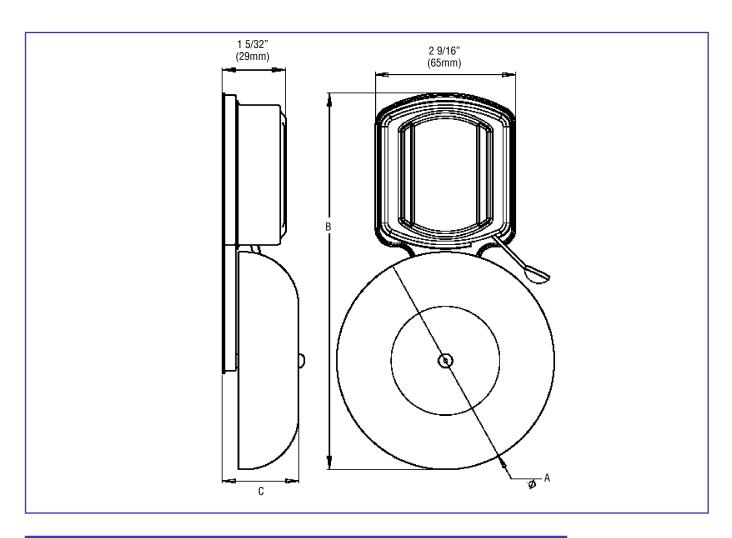
**CAT NO. GP-504 & GP-505** 

### **Features**

- Low Voltage
- AC and DC Operation
- Snap-on Covers
- Enclosed Terminals
- Corrosion Resistant Chrome Finish

Low cost bells which may be operated off of a Bridgeport 600 series transformer or DC power. Often used in homes, apartment houses, and manufacturing facilities. Especially suitable for security system applications. See Transformer Catalog Page 26. The sound output of the GP-504 and the GP-505 is not adjustable.

# BELLS & BUZZERS



Cat. No.	Volts	Amps	VA	DC Coil Res. (OHMS)	dB 1m/10ft.	A	В	С
GP-504	8-16V AC 3-6V DC	1.20	7.0	1.5	84 / 78		5 23/32" (145mm)	
GP-505	8-16 V AC 3-6V DC	1.20	10.0	1.5	84 / 78		6 29/32" (175mm)	



# **AC** Vibrating Horns

CAT. NO. B-874-120

#### **Features**

- Effective Range of 200 feet (61m)
- Capable of Coded or Sustained Tones
- Produces 100dB at 10' (110dB at 1m)

## **Specifications**

• Height: 4.0" (102mm)

• Width: 4.0" (102 mm)

• Depth: 2.5" (64mm)

Operating Temperature:
 -65°F to 150°F (-54°C to 66°C)

## **Agency Approvals**

- UL and cUL Listed, CSA Certified, FM Approved
- Type 4X when installed with Panel Mount Gasket Kit (Cat. No. B-MGSK) or Weatherproof Backbox (Cat No. B-WPBX)

The Model B-874-120 Vibrating Horn produces a very loud horn tone through the electro-mechanical vibration of a diaphragm. Capable of reproducing coded blasts or sustained tones, Bridgeport's Vibrating Horns are excellent for general alarm, start and dismissal, coded paging, and process control signaling in areas of high ambient noise levels. The unit produces 100db @ 10 feet.

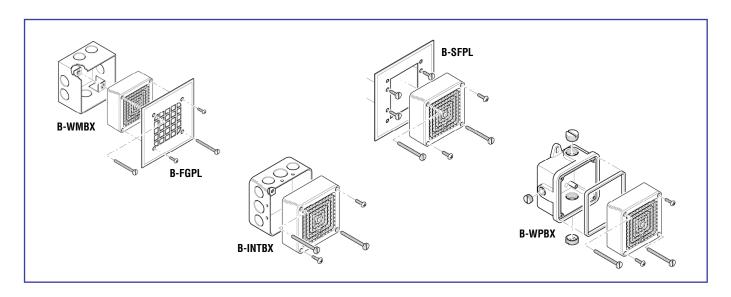
Mounting options provide for surface, flush or semi-flush mounting on walls, panels, in cabinets, on 4-inch square outlet boxes, or in concrete and deep wall constructions.

Units are UL listed, cUL Listed, CSA Certified and FM approved. They are designed and approved for use in Type 4X applications when installed with the panel mount gasket kit (Cat. No. B-MGSK) or the Weatherproof Backbox (Cat. No. B-WPBX).

Each Vibrating Horn is enclosed in a zinc die-cast housing and sealed with gray powder-coat paint. The unit features a stainless steel diaphragm. The rugged construction of Bridgeport's horns resists vandalism and the effects of harsh industrial environments.

Compact size, loud output and heavy-duty construction make Bridgeport's horns ideal for industrial and institutional signaling applications.

Cat. No.	Volts	Operating Current	dB 1m/10ft.
B-874-120	120VAC 50/60 Hz	0.18A	110 / 100



### **OPTIONS**

B-WMBX	Wall box for flush mounting the Vibrating horn in stud, 4" block or other shallow wall construction; 4 3/8" square box; 2 7/8" deep; shipping weight 2 lbs. (0.91 kg).
B-FMBX	Same as B-WMBX, but 3 13/16" deep for 6" x 8" concrete block, cinder block, or other deep wall construction; shipping wt. 3 lbs. (1.36 kg).
B-FGPL	Flush grille which attaches to the basic unit and serves as the cover of the plastered-in B-WMBX flush box, $6^{\circ}$ H x $6^{\circ}$ W x $1/8^{\circ}$ D; shipping wt I lb. (0.45 kg).
B-MGSK	Optional Panel Mounting Gasket Kit includes a gasket and hardware for surface or flush mounting the horn for NEMA Type 4 applications.
B-INTBX	4" square box with 1/2" & 3/4" knockouts for interior mountings; 1 1/2" deep; shipping weight 1 lb. (0.45 kg).
B-SFPL	Stamped surface plate used for installations on plastered-in 4" outlet switch boxes for semi-flush mountings; 6" H x 6" W x $1/2$ " D; shipping weight 1 lb. (0.45 kg).
B-WPBX	Cast aluminum neoprene-gasketed weatherproof housing for outside use, complete with mounting lugs; tapped for 1/2", 3/4" conduit; 4 3/8" square box; 2" deep, mounting lugs on 4 1/2" centers; shipping weight 1 lb. (0.45 kg).





# Weatherproof AC Vibrating Horns

CAT. NO. B-876-120

#### **Features**

- Effective Range of 200 feet (61m)
- Capable of Coded or Sustained Tones
- Wall Mount
- Produces 100dB at 10' (110dB at 1m)

## **Specifications**

• Height: 5.3" (115 mm)

• Width: 5.3" (115 mm)

• Depth: 3.66" (92.9mm)

• Operating Temperature: -65°F to

150°F (-54°C to 66°C)

## **Agency Approvals**

- UL and cUL Listed, CSA Certified, FM Approved
- Type 4X, IP65 Enclosure

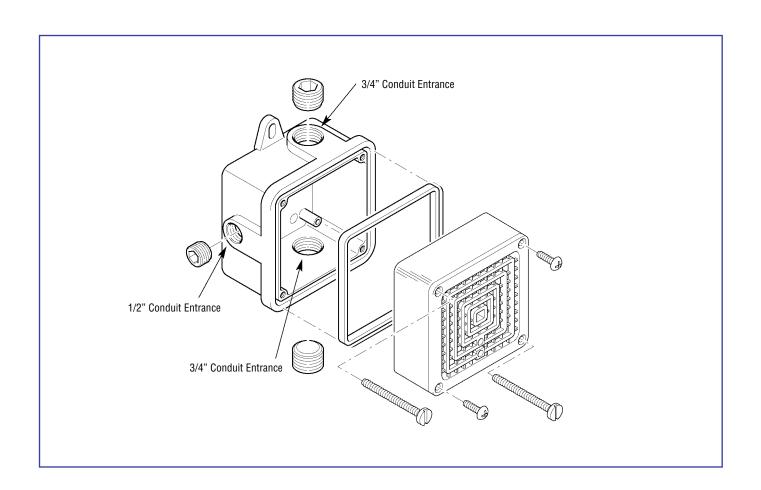
The Catalog No. B-876-120 horn produces sound by the electro-mechanical vibration of a stainless steel diaphragm. The horn mechanism with diaphragm is attached to the grille. Indoor or outdoor use is made possible by the water- and dust-tight backbox.

The unit is available in 120 for 50/60Hz. The sound output level is 100db nominal at ten feet (110db @ 1m).

Models feature a die-cast aluminum rear housing seated with a gray enamel finish. The rugged outer housing resists vandalism without reducing sound output. The Cat. No. B-876-120 is fused and utilizes a terminal block connection. The horn and backbox combination is UL and cUL Listed, CSA Certified and FM approved.

Capable of reproducing coded blasts or sustained tones, Bridgeport Vibrating Horns are excellent for general alarm, start/dismissal, coded paging and process control signaling in areas where their sound output exceeds ambient noise levels. Compact size and various installation options make them ideal for institutional use.

Cat. No.	Volts	Operating Current	dB 1m/10ft.
B-876-120	120VAC 50/60 Hz	0.18 amps	110 / 100





# Two Entrance Door Chimes

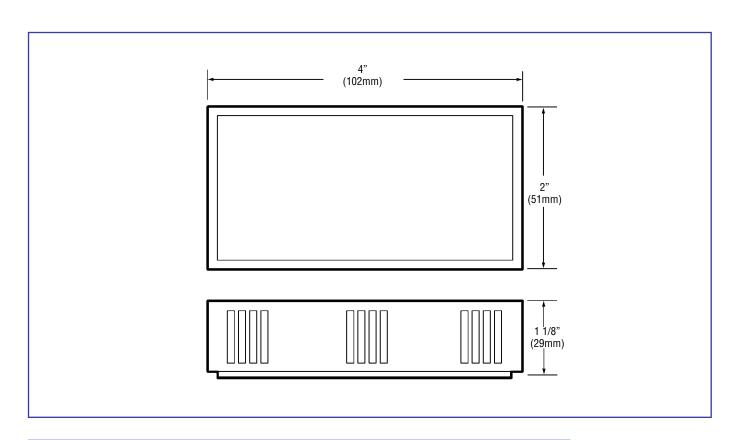
**CAT. NO. C-200W** 

### **Features**

- Capable of Signaling One or Two Entrances
- Free Suspension Steel Tone Bars
- Maintenance Free
- Easy Installation
- Attractive White Finish
- 75 dB at 3.3 ft (1m)

Low cost builder's chime designed for reliability. Operates off of a Bridgeport 16V transformer, Cat No. T-601. See page 26. The chime offers 2 note front door and 1 note rear door functionality. Mounting base hardware is included.

Widely used in houses, condominiums, offices, apartments and store fronts.



Cat. No.	Color	Number of Entrances	Volts	Amps	VA	Transformer
C-200W	White	Two	16	1.2	12	T-601







## **Builders Chime Kits**

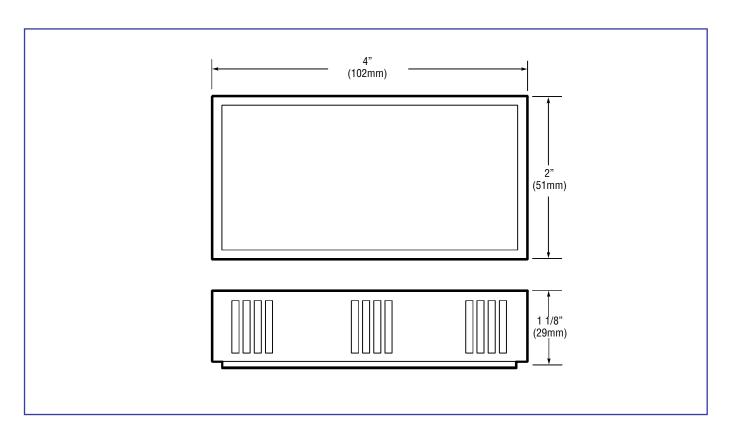
# COMPLETE INSTALLATION 200 SERIES

#### **Features**

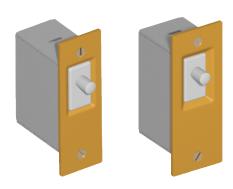
- Capable of Signaling One or Two Entrances
- Illuminated Push Button Models
- Available With Pushbuttons Suitable for Stucco Construction
- Free Suspension Steel Tone Bars
- Maintenance Free
- Easy Installation
- Attractive White Finish
- 75 dB at 3.3 ft (1m)

Bridgeport Builders Chime Kits are designed for reliability and durability. Kits consist of a Bridgeport two entrance chime, a 16V Bridgeport transformer, Cat. No. T-601, and one or two pushbuttons (option of either illuminated or non-illuminated). Standard building construction chime kits have two buttons. Stucco building construction chime kits have one button. The chime offers 2 note front door and 1 note rear door functionality. Mounting base hardware is included.

Widely used in houses, condominiums, offices, apartments and store fronts.



Cat. No.	Color	Number of Entrances	Volts AC	Amps	VA	Contents of Kit
C-202W	White	Two	16V	.625	10	<ul><li>(1) White Chime,</li><li>16V Transformer</li><li>(2) Push Buttons</li></ul>
C-202WL	White	Two	16V	.625	10	(1) White Chime, 16V Transformer (2) Lighted Push Buttons
C-201WS	White	One	16V	.625	10	(1) White Chime, 16V Transformer (1) Stucco Push Button
C-201WSL	White	One	16V	.625	10 (1	(1) White Chime, 16V Transformer ) Lighted Stucco Push Button



# Door Light Switches CAT. NO. PB-301 & PB-301N

#### **Features**

- All Purpose Electric Door Switch
- May be Wired Normally Closed or Normally Open
- Painted Brass Face Plate
- Models Available for Standard or Narrow Construction
- 120VAC 10 Amp 250VAC - 5 Amp

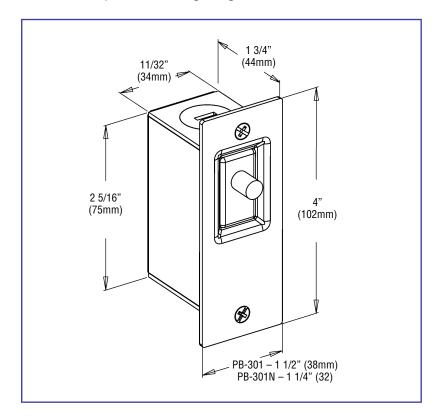
## **Specifications**

- Face Plate for PB-301: 4" (102mm) H x 1 1/2" (38mm) W
- Face Plate for PB-301N: 4" (98mm) H x 1 1/4" (32mm) W
- Switch: 2 15/16" (75mm) H x 1 11/32" (34mm) W x 1 3/4" (44mm) Deep

## **Agency Approvals**

 Switch is UL Component Recognized (US and Canada) All purpose electric door switches for use anywhere that lights are turned on and off automatically by the opening and closing of a door. The Cat. No. PB-301 and PB-301N electric door switches may be wired either normally open or normally closed. The units are shipped configured in their most frequently used state - normally closed. The switch mounts using the 3" (76mm) on center mounting holes.

The units may be used on sliding or on hinged doors. Typical applications include use on closet doors, walk-in refrigerators, vaults, photo labs and any area where the automatic operation of lighting is desired.



# Low Voltage Push Buttons

CAT. NO. PB-302 & PB-303



Normally Open Momentary Contacts. Traditional push button designed for functionality, long life and appearance. Mounting screws provided.

Used on both residential and commercial buildings.

### **Features**

- Round Surface Mount
- Solid Polished Brass Construction
- Large Wiring Terminals

## **Specifications**

Voltage: Up to 48VAC

		Finish		Dimensions	
Cat. No.	Style	Housing	Center	Diameter	Depth
PB-302	Non-illuminated	Brass Round	Black	2 1/4" (57mm)	7/8" (22mm)
PB-303	Non-illuminated	Brass Round	Black	1 3/4" (44mm)	11/16" (17mm)



## **PUSH BUTTONS & CONTACT DEVICES**



# Weatherproof Push Buttons

FOR OUTDOOR USE

**CAT. NO. PB-304** 

#### **Features**

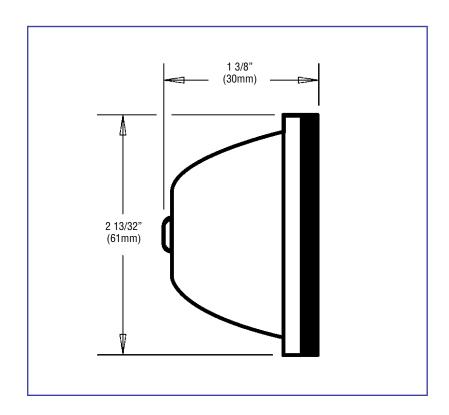
- Solid Brass Surface Mount Construction
- Large Accessible Wiring Terminals

### **Specifications**

Rating:

12V: 4 Amps AC, 4 Amps DC 24V: 4 Amps AC, 2 Amps DC 48V: 2 Amps AC, 1 Amp DC The highest quality, most attractive weatherproof push button on the market! Heavy duty, solid brass construction. The push button has an internal diaphragm to protect the contact springs. The unit's contact springs are long life elements, made from phosphor bronze. The PB-304 has a mounting plate should conduit mounting be desired. Mounting screws are provided for surface mounting of the button.

Used on both residential and commercial buildings.



# Low Voltage Industrial Push Buttons

### PANEL MOUNT

## **PB-305 & PB-306 SERIES**



Panel mount push buttons designed for industrial use. Push buttons feature large, easily accessible wiring terminals. Units are available with either a lighted or unlighted ivory center.

Units are ideal for both industrial and commercial use in applications requiring a low voltage, low cost button of long life.

#### **Features**

- Anodized Aluminum or Brass
- Insulated for Mounting on Metal Cabinets
- Snap Fit
- Long Life
- UV Inhibited Ivory Pearl Center

## **Specifications**

- Rating:
- 8V: 2 Amps AC, 2 Amps DC
- 24V: .67 Amps AC, .5 Amps DC
- Mounting Hole Dia.: 5/8" (16mm)
- Mounting Hole Depth: 3/4" (19mm)
- Momentary Contact

		Finish	
Cat. No.	Voltage	Housing	Center
PB-305C	8-30V AC or DC	Aluminum	lvory
PB-306C*	8-30V AC or DC	Aluminum	lvory
PB-305B	8-30V AC or DC	Brass	lvory
PB-306B*	8-30V AC or DC	Brass	lvory
PB-305CL	6-16V AC	Aluminum	Lighted Ivory
PB-305BL	6-16V AC	Brass	Lighted Ivory

\*500 Pc Bulk Pack





# Low Voltage Push Buttons

PLASTIC CASE, ILLUMINATED & NON-ILLUMINATED

## **PB-307 SERIES**

### **Features**

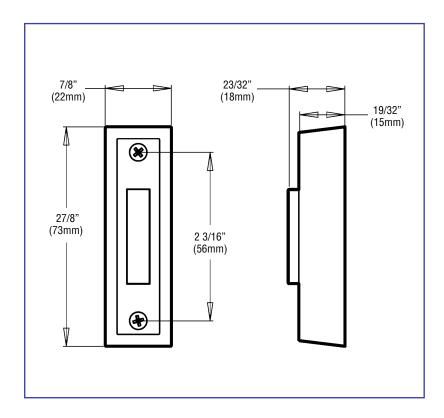
- Gentle Touch Push Bar Design
- Piano Type Action
- Rust Proof Plastic Case

Specifications

- Illuminated Push Button
   Voltage: Up to 16V AC or DC
- Non-Illuminated Push Button Voltage: Up to 30V AC or DC
- Momentary Contact

Push bar design button that can be activated by a gentle touch. Dual contact design. Mounting screws are provided that allow for easy, one tool installation.

Use for both residential and commercial buildings.



		Finish		D	imensior	ns
Cat. No.	Style	Housing	Center	W	Н	D
PB-307GL	Illuminated	Gold	White	7/8"	2 7/8"	19/32"
PB-307WL	Illuminated	White	White	(22 mm)	(73mm)	(15mm)
PB-307W	Non-Illuminated	White	White			

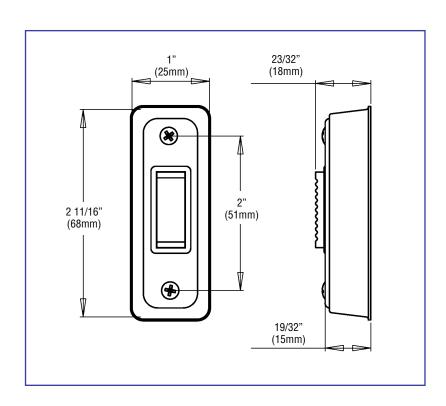
# **Deluxe Low Voltage Push Buttons**

### **ILLUMINATED**

### **PB-308 SERIES**

Push bar design button that can be activated by a gentle touch. Polished anodized metal housing. Dual contact design. Mounting screws are provided that allow for easy, one tool installation.

Use for both residential and commercial buildings.





### **Features**

- Gentle Touch Push Bar Design
- Piano Type Action
- Illuminated
- Durable Anodized Housing
- UV Inhibited Push Bar

## **Specifications**

• Voltage: Up to 16V AC or DC

Momentary Contact

	Finish			D	imension	IS
Cat. No.	Style	Housing	Center	W	H	D
PB-308BL	Illuminated	Anodized Brass	White	1"	2 11/16"	9/32"
PB-308CL	Illuminated	Anodized Aluminum	White	(25mm)	(68mm)	(15mm)



## **PUSH BUTTONS & CONTACT DEVICES**



# **Door Trip**

## **LOW VOLTAGE**

**B-236** 

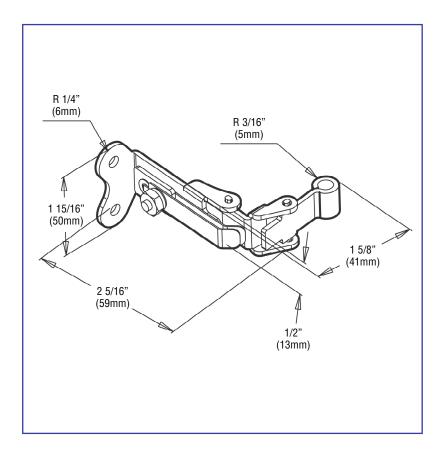
### **Features**

- Low Voltage
- Zinc Plated

## **Specifications**

• 48 Volts Max.

The B-236 Door Trip is a low voltage contact device for door mounting. The device makes contact and breaks contact as the door opens. The momentary contact is used to signal door entry into areas such as offices and stores.



# **Adjustable Door Openers**

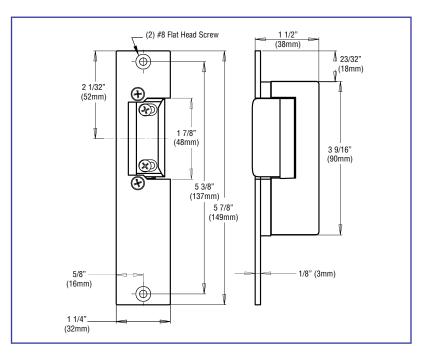
# MORTISE TYPE FOR USE IN WOOD & METAL JAMBS

### **DS-101 SERIES**



Bridgeport door openers are designed for mortise installation in both wood and metal jamb doors. The units are mounted in place of the regular door strike and provide the security of remote unlock operation. The door remains locked until the Bridgeport door opener is electrically activated by a contact device. For use with lock-sets having up to 5/8" (15.9mm) throw. For AC operation, use with a Bridgeport T-603 Transformer.

Use in commercial and industrial buildings to provide controlled area access. Use in building security and door control systems.



#### **Features**

- Chrome or Brass Faceplate and Chrome Latch
- Easy to Install
- Fits Left or Right Hand Doors
- Rugged Construction
- For Use in Wood and Metal Jambs
- Fail Secure (Standard Action)
   Unlocks When Energized
- 1/8" Adjustable Latch Makes Alignment Easy

## **Specifications**

- Face Plate 1-1/4" X 5-7/8"
- Durability 500,000 Life cycles
- Holding Force 900 lbs.
- Solid Cast Latch Cavity
   Depth 9/16"; Width 5/8";
   Height 1-11/16"
- Mortise Type Backset 1-1/2" Deep

Cat. No.	Volts	Amps	Finish
DS-101B	16-24V AC/DC	.19 – .32	Brass
DS-101C	16-24V AC/DC	.19 – .32	Chrome





# Adjustable Door Opener

# MORTISE TYPE FOR USE IN WOOD & ALUMINUM JAMBS

**CAT. NO. DS-102** 

#### **Features**

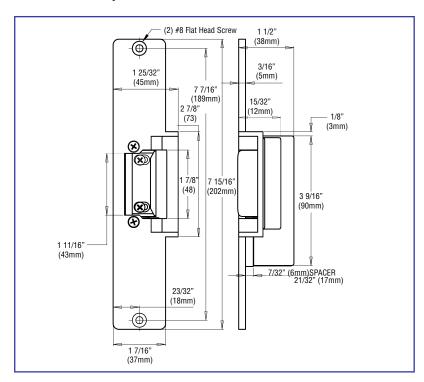
- Silver Faceplate and Chrome Latch
- Easy to Install
- Fits Left or Right Hand Doors
- Rugged Construction
- For Use in Wood and Hollow Aluminum Jambs
- Fail Secure (Standard Action)
   Unlocks When Energized
- 1/8" Adjustable Latch Makes Alignment Easy

## **Specifications**

- Face Plate 1-7/16" X 7-15/16"
- Durability 500,000 Life cycles
- Holding Force 900 lbs.
- Solid Cast Latch –
   Cavity Depth 9/16"
   Width 5/8"
   Height 1-11/16"
- Mortise Type Backset 1-1/2"
   Deep

Bridgeport door openers are designed for mortise installation in both wood and aluminum jamb doors. The units are mounted in place of the regular door strike and provide the security of remote unlock operation. The door remains locked until the Bridgeport door opener is electrically activated by a contact device. For use with locksets having up to 5/8" (15.9mm) throw. For AC operation, use with a Bridgeport T-603 Transformer.

Use in commercial and industrial buildings to provide controlled area access. Use in building security and door control systems.

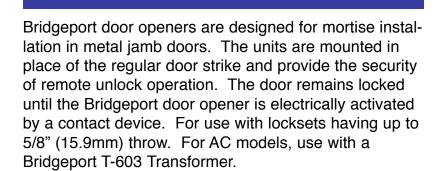


Cat. No.	Volts	Amps	Finish
DS-102S	16-24V AC/DC	.19 – .32	Silver

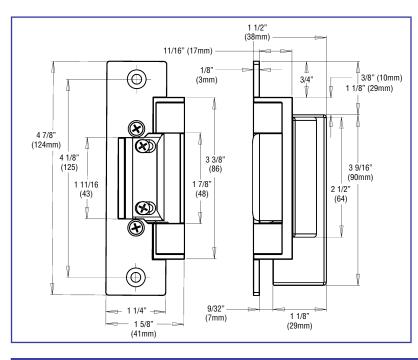
# **Adjustable Door Openers**

# MORTISE TYPE FOR USE IN HOLLOW METAL JAMBS

### **DS-103 SERIES**



Use in commercial and industrial buildings to provide controlled area access. Use in building security and door control systems.





#### **Features**

- Chrome or Brass Faceplate and Chrome Latch
- Easy to Install
- Fits Left or Right Hand Doors
- Rugged Construction
- For Use in Hollow Metal Jambs
- Solid Brass Locking System
- Die Cast Case
- Heavy Duty Latch Spring
- Solenoid Actuated
- Fail Secure (Standard Action) Unlocks When Energized

## **Specifications**

- Face Plate 1-1/4" X 4-7/8"
- Durability 500,000 Life cycles
- Holding Force 900 lbs.
- Solid Cast Latch Cavity Depth -9/16"; Width - 5/8"; Height - 1-11/16"
- Mortise Type Backset 1-1/2"
   Deep

Cat. No.	Volts	Amps	Finish
DS-103B	16-24V AC/DC	.19 – .32	Brass
DS-103C	16-24V AC/DC	.19 – .32	Chrome





# Class 2 Signaling Transformers

## **LOW VOLTAGE**

## T-600 SERIES

#### **Features**

- Thermal Overload Protection
- Grounding Wire
- Pre-stripped Primary Leads
- Secondary Screw Terminal Connections

## **Agency Approvals**

- UL Listed
- CSA Certified

Bridgeport Class 2 Signaling Transformers are low cost but highly reliable transformers that provide convenient low voltage power for a variety of commercial, residential and industrial purposes. Transformers take themselves off line when they overheat. All primary leads are pre-stripped for quick connection.

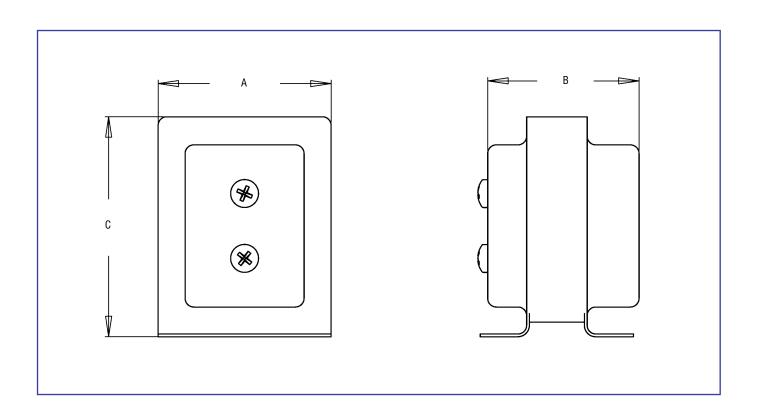
Mounts in a standard 1/2" (13mm) knockout or surface mounts using the provided locknut or clamp. The T-601 uses the provided locknut. The T-602, T-603 and T-604 uses the integral clamp. These transformers may be safely mounted in both plastic and metal back boxes.

The Bridgeport T-601 transformer is ideal for doorbells, chimes and other light duty commercial and residential applications.

The T-602 transformer is for commercial and residential use. The 24V, 20VA secondary is the perfect solution for applications requiring longer wire runs.

The T-603 and T-604 transformers offer high power for long wire runs or for applications requiring greater power such as building elevators.

# **TRANSFORMERS**



Cat. No.	Primary 50/60 Hz	Secon Volts	dary VA	A	Dimensions B	С
T-601	120V AC	16	10	2" (51mm)	1 3/4" (44mm)	2 17/32" (64mm)
T-602	120V AC	8 16 24	10 10 20	2 15/16" (75mm)	1 23/32" (44mm)	2 3/16" (56mm)
T-603	120V AC	8 16 24	20 20 30	2 11/32" (60mm)	2 13/32" (61mm)	2 7/32" (56mm)
T-604	120V AC	24	40	2 11/32" (60mm)	2 13/32" (60mm)	2 3/16" (56mm)



# Incandescent Box Mount Fixture for Wall or Ceiling

## **VAX Series**

#### **Features**

- Rugged, seamless die-cast aluminum construction that prevents moisture entry
- Powder coat finish for maximum durability
- Industrial grade, factory assembled and fully gasketed
- Engineered to protect the interior from the deteriorating effects of ice, corrosive fumes, nonexplosive vapors, etc.
- For use in severe service areas where extreme conditions prevail

## **Agency Approvals**

UL Listed

## **Specifications**

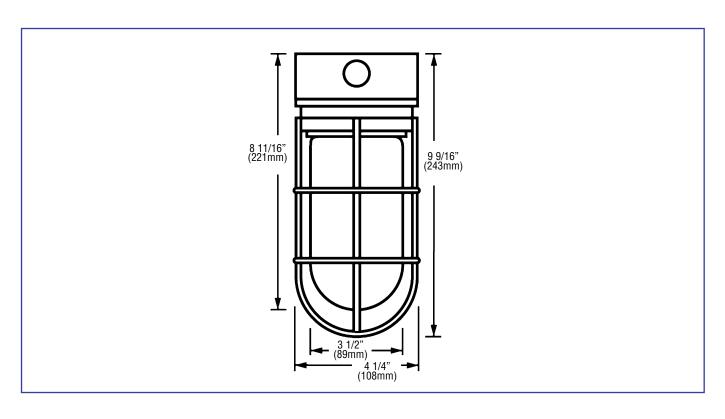
- 1/2" (13mm) and 3/4" (19mm) NPT Bases
- 110/120VAC
- 100 Watts (Glass Globes)
- 75 Watts (Lexan Globes)

Bridgeport VAX Series vaportight lighting fixtures are incandescent, box mounted units designed for wall or ceiling mounting. Units with glass globes are provided with a cast aluminum guard. Units with Lexan® globes are not provided with guards. Glass globes are available in clear; Lexan globes are available in amber, blue, clear, green and red.

All units operate on 110/120VAC. Units are rated for 100 Watts when installed with a glass globe; 75 Watts when installed with a Lexan globe.

Bridgeport VAX Series vaportight fixtures are ideal for use in college campuses, subways and mass transit locations, construction sites, bridges, tunnels, freezers, and waste water and sewage treatment plants.

Bulb not included.



Cat. No.	Hub Size	Globe Color	Wattage	Guard
VAXCG-11	1/2"	Clear Glass	100	Cast Aluminum
VAXCG-11A	1/2"	Amber Lexan	75	N/A
VAXCG-11B	1/2"	Blue Lexan	75	N/A
VAXCG-11G	1/2"	Green Lexan	75	N/A
VAXCG-11R	1/2"	Red Lexan	75	N/A
VAXCG-21	3/4"	Clear Glass	100	Cast Aluminum
VAXCG-21A	3/4"	Amber Lexan	75	N/A
VAXCG-21B	3/4"	Blue Lexan	75	N/A
VAXCG-21G	3/4"	Green Lexan	75	N/A
VAXCG-21R	3/4"	Red Lexan	75	N/A

#### **ACCESSORIES & REPLACEMENT PARTS**

Cat. No.	Description
VPFGC	Clear Glass Globe (Rated 100 Watts)
VPFLA	Amber Lexan Globe (Rated 75 Watts)
VPFLB	Blue Lexan Globe (Rated 75 Watts)
VPFLC	Clear Lexan Globe (Rated 75 Watts)
VPFLG	Green Lexan Globe (Rated 75 Watts)
VPFLR	Red Lexan Globe (Rated 75 Watts)
RB35-050	1/2" (13mm) Outlet Box, 4" (102mm) Diameter
RB35-075	3/4" (19mm) Outlet Box, 4" (102mm) Diameter
VPFAG	Cast Aluminum Guard (Glass Globes Only)

Lexan® is a registered trademark of the General Electric Company.





# Incandescent Wall Mount Fixture with Box

## **VPX Series**

#### **Features**

- Rugged, seamless die-cast aluminum construction that prevents moisture entry
- Powder coat finish for maximum durability
- Industrial grade, factory assembled and fully gasketed
- Engineered to protect the interior from the deteriorating effects of ice, corrosive fumes, nonexplosive vapors, etc.
- For use in severe service areas where extreme conditions prevail

## **Agency Approvals**

UL Listed

## **Specifications**

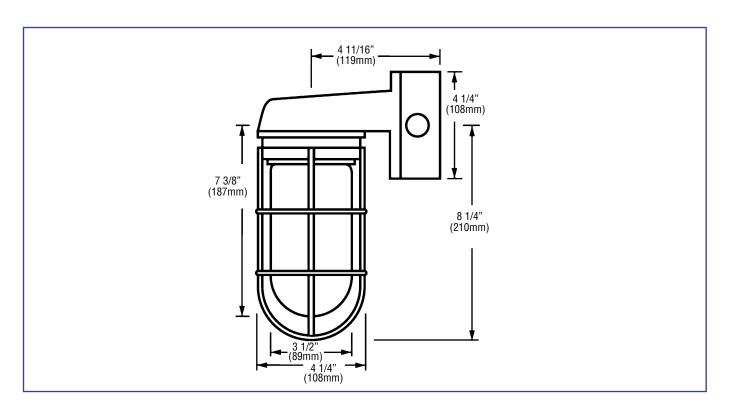
- 1/2" (13mm) and 3/4" (19mm) NPT Bases
- 110/120VAC
- 100 Watts (Glass Globes)
- 75 Watts (Lexan Globes)

Bridgeport VPX Series vaportight lighting fixtures are incandescent, right angle box mounted units designed for wall mounting. Units with glass globes are provided with a cast aluminum guard. Units with Lexan® globes are not provided with guards. Glass globes are available in clear; Lexan globes are available in amber, blue, clear, green and red.

All units operate on 110/120VAC. Units are rated for 100 Watts when installed with a glass globe; 75 Watts when installed with a Lexan globe.

Bridgeport VPX Series vaportight fixtures are ideal for use in college campuses, subways and mass transit locations, construction sites, bridges, tunnels, freezers, and waste water and sewage treatment plants.

Bulb not included.



Cat. No.	Hub Size	Globe Color	Wattage	Guard
VPXCG-11	1/2"	Clear Glass	100	Cast Aluminum
VPXCG-11A	1/2"	Amber Lexan	75	N/A
VPXCG-11B	1/2"	Blue Lexan	75	N/A
VPXCG-11G	1/2"	Green Lexan	75	N/A
VPXCG-11R	1/2"	Red Lexan	75	N/A
VPXCG-21	3/4"	Clear Glass	100	Cast Aluminum
VPXCG-21A	3/4"	Amber Lexan	75	N/A
VPXCG-21B	3/4"	Blue Lexan	75	N/A
VPXCG-21G	3/4"	Green Lexan	75	N/A
VPXCG-21R	3/4"	Red Lexan	75	N/A

#### **ACCESSORIES & REPLACEMENT PARTS**

Cat. No.	Description
VPFGC	Clear Glass Globe (Rated 100 Watts)
VPFLA	Amber Lexan Globe (Rated 75 Watts)
VPFLB	Blue Lexan Globe (Rated 75 Watts)
VPFLC	Clear Lexan Globe (Rated 75 Watts)
VPFLG	Green Lexan Globe (Rated 75 Watts)
VPFLR	Red Lexan Globe (Rated 75 Watts)
RB35-050	1/2" (13mm) Outlet Box, 4" (102mm) Diameter
RB35-075	3/4" (19mm) Outlet Box, 4" (102mm) Diameter
VPFAG	Cast Aluminum Guard (Glass Globes Only)

Lexan® is a registered trademark of the General Electric Company.





# Incandescent Pendant Mount Fixture

## **VAS Series**

#### **Features**

- Rugged, seamless die-cast aluminum construction that prevents moisture entry
- Powder coat finish for maximum durability
- Industrial grade, factory assembled and fully gasketed
- Engineered to protect the interior from the deteriorating effects of ice, corrosive fumes, nonexplosive vapors, etc.
- For use in severe service areas where extreme conditions prevail

## **Agency Approvals**

UL Listed

## **Specifications**

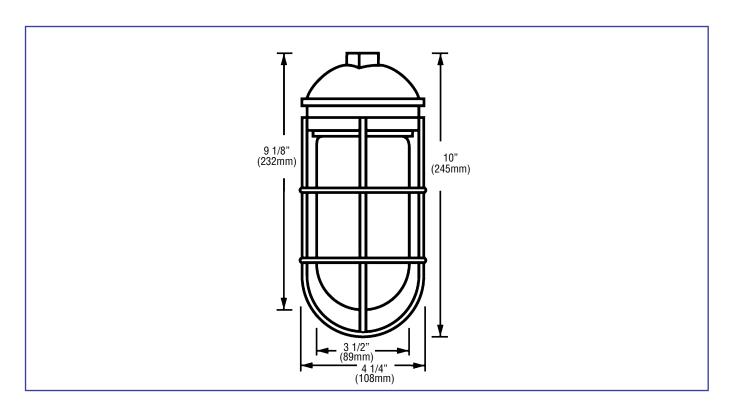
- 1/2" (13mm) and 3/4" (19mm) NPT Bases
- 110/120VAC
- 100 Watts (Glass Globes)
- 75 Watts (Lexan Globes)

Bridgeport VAS Series vaportight lighting fixtures are incandescent units designed for pendant mounting. Units with glass globes are provided with a cast aluminum guard. Units with Lexan® globes are not provided with guards. Glass globes are available in clear; Lexan globes are available in amber, blue, clear, green and red.

All units operate on 110/120VAC. Units are rated for 100 Watts when installed with a glass globe; 75 Watts when installed with a Lexan globe.

Bridgeport VAS Series vaportight fixtures are ideal for use in college campuses, subways and mass transit locations, construction sites, bridges, tunnels, freezers, and waste water and sewage treatment plants.

Bulb not included.



Cat. No.	Hub Size	Globe Color	Wattage	Guard
VASCG-11	1/2"	Clear Glass	100	Cast Aluminum
VASCG-11A	1/2"	Amber Lexan	75	N/A
VASCG-11B	1/2"	Blue Lexan	75	N/A
VASCG-11G	1/2"	Green Lexan	75	N/A
VASCG-11R	1/2"	Red Lexan	75	N/A
VASCG-21	3/4"	Clear Glass	100	Cast Aluminum
VASCG-21A	3/4"	Amber Lexan	75	N/A
VASCG-21B	3/4"	Blue Lexan	75	N/A
VASCG-21G	3/4"	Green Lexan	75	N/A
VASCG-21R	3/4"	Red Lexan	75	N/A

#### **ACCESSORIES & REPLACEMENT PARTS**

Cat. No.	Description
VPFGC	Clear Glass Globe (Rated 100 Watts)
VPFLA	Amber Lexan Globe (Rated 75 Watts)
VPFLB	Blue Lexan Globe (Rated 75 Watts)
VPFLC	Clear Lexan Globe (Rated 75 Watts)
VPFLG	Green Lexan Globe (Rated 75 Watts)
VPFLR	Red Lexan Globe (Rated 75 Watts)
RB35-050	1/2" (13mm) Outlet Box, 4" (102mm) Diameter
RB35-075	3/4" (19mm) Outlet Box, 4" (102mm) Diameter
VPFAG	Cast Aluminum Guard (Glass Globes Only)

Lexan® is a registered trademark of the General Electric Company.





# Incandescent Wall Mount Fixture

## **VAP Series**

#### **Features**

- Rugged, seamless die-cast aluminum construction that prevents moisture entry
- Powder coat finish for maximum durability
- Industrial grade, factory assembled and fully gasketed
- Engineered to protect the interior from the deteriorating effects of ice, corrosive fumes, nonexplosive vapors, etc.
- For use in severe service areas where extreme conditions prevail

## **Agency Approvals**

UL Listed

## **Specifications**

- 1/2" (13mm) and 3/4" (19mm) NPT Bases
- 110/120VAC
- 100 Watts (Glass Globes)
- 75 Watts (Lexan Globes)

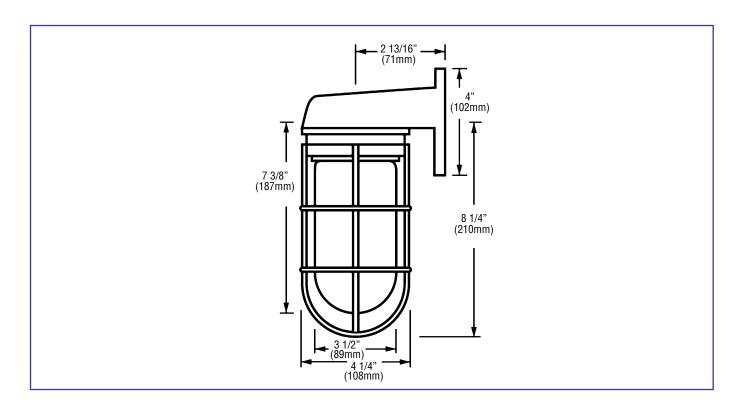
Bridgeport VAP Series vaportight lighting fixtures are incandescent, right angle units designed for wall mounting. Units with glass globes are provided with a cast aluminum guard. Units with Lexan® globes are not provided with guards. Glass globes are available in clear; Lexan globes are available in amber, blue, clear, green and red.

All units operate on 110/120VAC. Units are rated for 100 Watts when installed with a glass globe; 75 Watts when installed with a Lexan globe.

Bridgeport VAP Series vaportight fixtures are ideal for use in college campuses, subways and mass transit locations, construction sites, bridges, tunnels, freezers, and waste water and sewage treatment plants.

Bulb not included.

## **VAPORPROOF LIGHTING**



Cat. No.	Globe Color	Wattage	Guard
VAPCG-01	Clear Glass	100	Cast Aluminum
VAPCG-01A	Amber Lexan	75	N/A
VAPCG-01B	Blue Lexan	75	N/A
VAPCG-01G	Green Lexan	75	N/A
VAPCG-01R	Red Lexan	75	N/A

#### **ACCESSORIES & REPLACEMENT PARTS**

Cat. No.	Description
VPFGC	Clear Glass Globe (Rated 100 Watts)
VPFLA	Amber Lexan Globe (Rated 75 Watts)
VPFLB	Blue Lexan Globe (Rated 75 Watts)
VPFLC	Clear Lexan Globe (Rated 75 Watts)
VPFLG	Green Lexan Globe (Rated 75 Watts)
VPFLR	Red Lexan Globe (Rated 75 Watts)
RB35-050	1/2" (13mm) Outlet Box, 4" (102mm) Diameter
RB35-075	3/4" (19mm) Outlet Box, 4" (102mm) Diameter
VPFAG	Cast Aluminum Guard (Glass Globes Only)

Lexan® is a registered trademark of the General Electric Company.



#### **VAPORPROOF LIGHTING**



## Incandescent Surface Mount Fixture for Round or Octagonal Boxes

**VAT Series** 

#### **Features**

- Rugged, seamless die-cast aluminum construction that prevents moisture entry
- Powder coat finish for maximum durability
- Industrial grade, factory assembled and fully gasketed
- Engineered to protect the interior from the deteriorating effects of ice, corrosive fumes, nonexplosive vapors, etc.
- For use in severe service areas where extreme conditions prevail

#### **Agency Approvals**

UL Listed

#### **Specifications**

- 1/2" (13mm) and 3/4" (19mm) NPT Bases
- 110/120VAC
- 100 Watts (Glass Globes)
- 75 Watts (Lexan Globes)

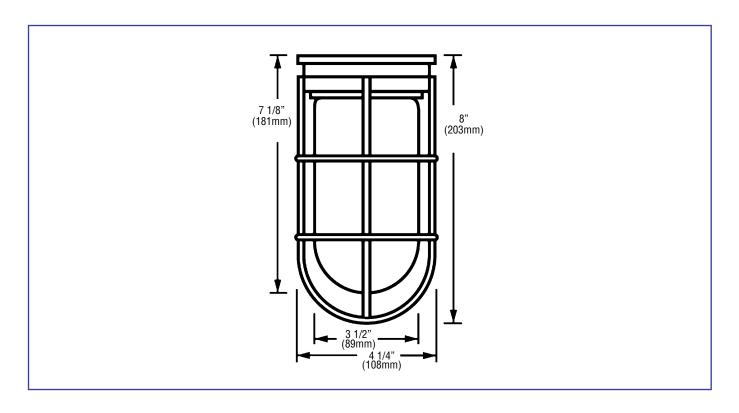
Bridgeport VAT Series vaportight lighting fixtures are incandescent, surface mount units designed for use with round or octagonal boxes. Units with glass globes are provided with a cast aluminum guard. Units with Lexan® globes are not provided with guards. Glass globes are available in clear; Lexan globes are available in amber, blue, clear, green and red.

All units operate on 110/120VAC. Units are rated for 100 Watts when installed with a glass globe; 75 Watts when installed with a Lexan globe.

Bridgeport VAT Series vaportight fixtures are ideal for use in college campuses, subways and mass transit locations, construction sites, bridges, tunnels, freezers, and waste water and sewage treatment plants.

Bulb not included.

## **VAPORPROOF LIGHTING**



Cat. No.	Globe Color	Wattage	Guard
VATCG-01	Clear Glass	100	Cast Aluminum
VATCG-01A	Amber Lexan	75	N/A
VATCG-01B	Blue Lexan	75	N/A
VATCG-01G	Green Lexan	75	N/A
VATCG-01R	Red Lexan	75	N/A

#### **ACCESSORIES & REPLACEMENT PARTS**

Cat. No.	Description
VPFGC	Clear Glass Globe (Rated 100 Watts)
VPFLA	Amber Lexan Globe (Rated 75 Watts)
VPFLB	Blue Lexan Globe (Rated 75 Watts)
VPFLC	Clear Lexan Globe (Rated 75 Watts)
VPFLG	Green Lexan Globe (Rated 75 Watts)
VPFLR	Red Lexan Globe (Rated 75 Watts)
RB35-050	1/2" (13mm) Outlet Box, 4" (102mm) Diameter
RB35-075	3/4" (19mm) Outlet Box, 4" (102mm) Diameter
VPFAG	Cast Aluminum Guard (Glass Globes Only)

Lexan® is a registered trademark of the General Electric Company.





## Compact Incandescent Flashing Lights

**800 SERIES** 

#### **Features**

- Two Mounting Options Surface and 1/2" (13mm) Conduit
- 18" (305mm) Wire Leads
- Impact Resistant Polycarbonate Base and Lens
- Screw-on Lens
- Five Lens Colors

#### **Specifications**

- 24VDC or 120VAC Operation
- Weatherproof

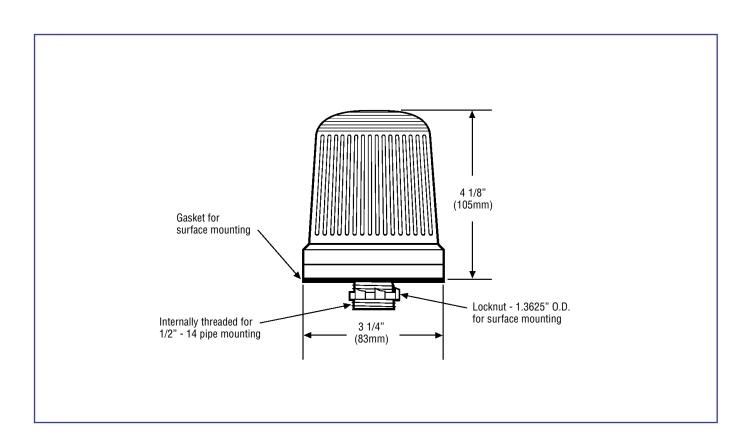
#### **Agency Approvals**

- UL Listed
- cUL Listed

Bridgeport 800 Series Flashing Incandescent Lights are designed for industrial, commercial, and institutional applications where reliable and distinctive visual indication is required. The 800 Series are ideal for industrial process control, commercial and institutional signaling as well as vehicular applications such as on tow motors. The unit's lens simply screws on to the base to allow for easy access and relamping.

Suitable for indoor or outdoor installation. When mounted outdoors the unit should be mounted with the lens facing up. A double threaded mounting nipple allows the unit to be panel mounted using the provided locknut or 1/2" (13mm) conduit mounted.

Bridgeport flashing lights are often used in areas of extreme noise where ear protection must be worn and audible signals cannot be effectively heard. They can also be used to advise and warn personnel in process control, warehouse and manufacturing areas when an operation is changing status or malfunctioning. Bridgeport flashing lights will be found in quiet areas such as libraries, sound and video studios and production areas where audible signals and high intensity strobes would be distracting.



Cat. No.	Lens Color	Repl. Lens	Candlepower	Repl. Bulb	Bulb Wattage	Elect. Ratings
802-IFA24	Amber	800-LA	2,375	Ind Std 1692	15W	24VDC .61A
802-IFB24	Blue	800-LB	2,375	Ind Std 1692	15W	24VDC .61A
802-IFC24	Clear	800-LC	2,375	Ind Std 1692	15W	24VDC .61A
802-IFG24	Green	800-LG	2,375	Ind Std 1692	15W	24VDC .61A
802-IFR24	Red	800-LR	2,375	Ind Std 1692	15W	24VDC .61A
802-IFA120	Amber	800-LA	1,445	Ind Std 15T7DC	15W	120VAC .15A
802-IFB120	Blue	800-LB	1,445	Ind Std 15T7DC	15W	120VAC .15A
802-IFC120	Clear	800-LC	1,445	Ind Std 15T7DC	15W	120VAC .15A
802-IFG120	Green	800-LG	1,445	Ind Std 15T7DC	15W	120VAC .15A
802-IFR120	Red	800-LR	1,445	Ind Std 15T7DC	15W	120VAC .15A



## NEMA Type 4X Rotating Warning Lights

#### **B-52 SERIES**

#### **Features**

- Available in 120VAC
- Five Dome Colors
- Integrated 1/2" Pipe Mount

#### **Specifications**

• Height: 7.25" (184mm)

• Diameter: 5.5" (140mm)

• Operating Temperature: 31°F to 150°F (-35°C to 66°C)

• Type 4X, IP66 Enclosure

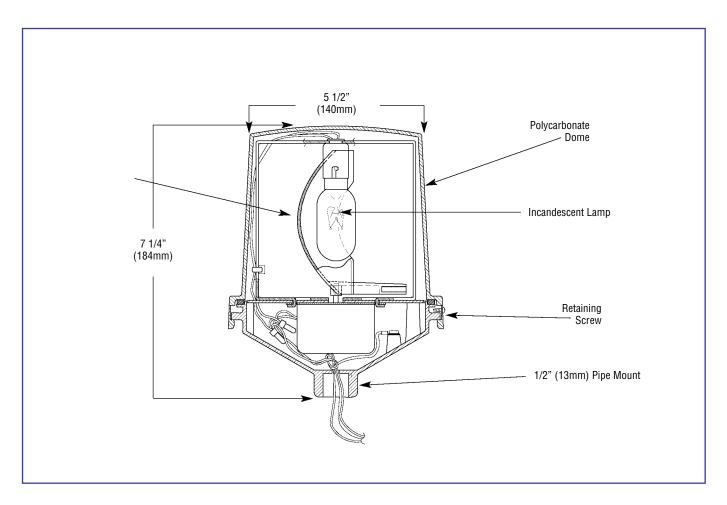
#### **Agency Approvals**

 UL Listed and cUL Listed for Indoor/Outdoor Use Bridgeport B-52 Series Rotating Lights are compact, economical warning lights designed for commercial and industrial uses. Their innovative dome design features a single retaining screw that allows quick and easy access for inspection and relamping but provides the security of a tamperproof barrier.

The warning light has a closed cell neoprene gasket that makes it water resistant. The injection molded reflector rotates around an incandescent lamp and produces 90 flashes per minute. It is available in five dome colors (amber, blue, clear, green and red) and it UL Listed for Type 4X. Constructed to IP66 specifications, the unit is ready to mount on 1/2" conduit.

The B-52 is a high performance rotating signaling light. Its design makes it easily adaptable to a multitude of indoor and outdoor applications. It is designed for permanent mounting where a 120VAC, 50/60 Hz line is available. This light provides an effective, economical means of supplementing audible signaling devices.

Bridgeport's B-52 is an ideal light for visual signaling over large distances and for calling attention to emergency situations or process status changes.



Cat. No.	Lens Color	Repl. Dome	Candlepower	Repl. Bulb	Elect. Ratings
B-52A-120	Amber	B-52-LA	1,000	K149123A*	120VAC 50/60Hz .22A
B-52B-120	Blue	B-52-LB	1,000	K149123A*	120VAC 50/60Hz .22A
B-52C-120	Clear	B-52-LC	1,000	K149123A*	120VAC 50/60Hz .22A
B-52G-120	Green	B-52-LG	1,000	K149123A*	120VAC 50/60Hz .22A
B-52R-120	Red	B-52-LR	1,000	K149123A*	120VAC 50/60Hz .22A

<sup>\*</sup>Or Ind. Std. 25T8DC



# Indoor Rated Rotating Warning Lights 700 SERIES

#### **Features**

- Five Dome Colors
- 75 Revolutions Per Minute
- Unit's Base May be Utilized as a Junction Box
- May be Mounted Vertically, Facing Up or Down in 3 Ways:
  - Direct Surface
  - 4" (102mm) Octagon Box
  - 1/2" (13mm) NPT Conduit

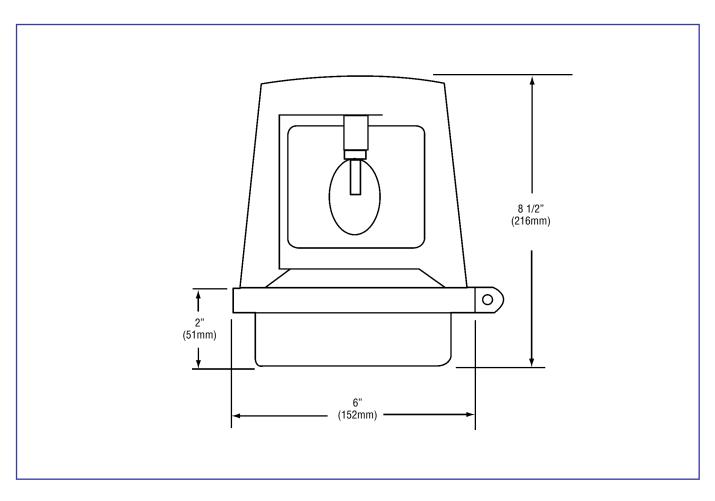
#### **Agency Approvals**

- UL Listed
- cUL Listed

Bridgeport 700 Series Rotating Lights are high performance, economical warning lights designed for both commercial and industrial uses. Their dome design features a clamp ring held in place by a single retaining screw that not only provides for unit security but also for quick and easy access. The warning light has a closed cell neoprene gasket that makes it water resistant.

The 700 series rotates at 75 revolution per minute and is available in five dome colors (amber, blue, clear, green and red). The unit may be direct surface mounted or may be mounted on a 4" (102mm) octagon box or on 1/2" (13mm) NPT Conduit.

Its design makes it easily adaptable to a multitude of indoor and outdoor applications. This light provides an effective, economical means of supplementing audible signaling devices. Bridgeport's 700 Series is an ideal light for visual signaling over large distances and for calling attention to emergency situations or process status changes.



Cat. No.	Lens Color	Repl. Dome	Candlepower	Repl. Bulb	Elect. Ratings
700-RA24	Amber	700-RLA	5,053	1638*	24VAC 1.02A
700-RB24	Blue	700-RLB	5,053	1638*	24VAC 1.02A
700-RC24	Clear	700-RLC	5,053	1638*	24VAC 1.02A
700-RG24	Green	700-RLG	5,053	1638*	24VAC 1.02A
700-RR24	Red	700-RLR	5,053	1638*	24VAC 1.02A
700-RA120	Amber	700-RLA	2,891	25T8DC**	120VAC .22A
700-RB120	Blue	700-RLB	2,891	25T8DC**	120VAC .22A
700-RC120	Clear	700-RLC	2,891	25T8DC**	120VAC .22A
700-RG120	Green	700-RLG	2,891	25T8DC**	120VAC .22A
700-RR120	Red	700-RLR	2,891	25T8DC**	120VAC .22A

<sup>\*20</sup> watts, 500 hours



<sup>\*\*25</sup> watts, 500 hours



## Compact Incandescent Steady-On Lights 800 SERIES

#### **Features**

- Two Mounting Options Surface and 1/2" (13mm) Conduit
- 18" (305mm) Wire Leads
- Impact Resistant Polycarbonate Base and Lens
- Screw-on Lens
- Five Lens Colors

#### **Specifications**

- 24VDC or 120VAC Operation
- Weatherproof

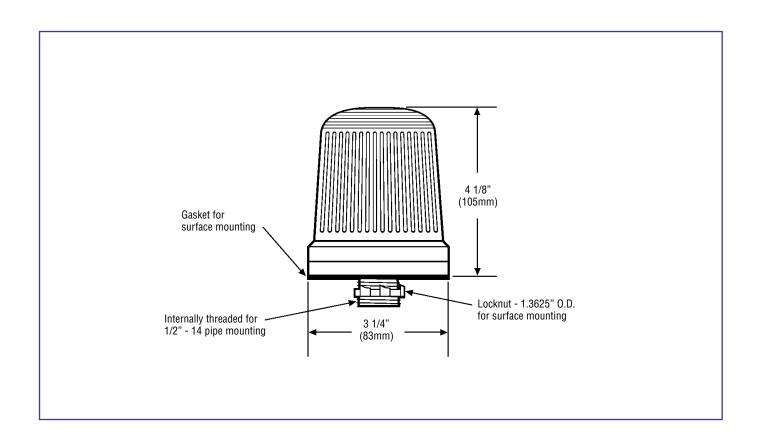
#### **Agency Approvals**

- UI Listed
- cUL Listed

Bridgeport 800 Series Steady-On Incandescent Lights are designed for industrial, commercial, and institutional applications where reliable and distinctive visual indication is required. The 800 Series are ideal for process control as well as vehicular applications such as tow motors. The unit's lens simply screws on to the base to allow for easy access and relamping.

Suitable for indoor or outdoor installation. When mounted outdoors the unit should be mounted with the lens facing up. A double threaded mounting nipple allows the unit to be panel mounted using the provided locknut or 1/2" (13mm) conduit mounted.

Bridgeport steady-on lights are often used in areas of extreme noise where ear protection must be worn and audible signals cannot be effectively heard. They can also be used to advise and warn personnel in process control, warehouse and manufacturing areas when an operation is changing status or malfunctioning. Bridgeport steady-on lights will be found in quiet areas such as libraries, sound and video studios and production areas where audible signals and high intensity strobes would be distracting.



Cat. No.	Lens Color	Repl. Lens	Candlepower	Repl. Bulb	Bulb Wattage	Elect. Ratings
801-ISA24	Amber	800-LA	2,375	Ind Std 1692	15W	24VDC .67A
801-ISB24	Blue	800-LB	2,375	Ind Std 1692	15W	24VDC .67A
801-ISC24	Clear	800-LC	2,375	Ind Std 1692	15W	24VDC .67A
801-ISG24	Green	800-LG	2,375	Ind Std 1692	15W	24VDC .67A
801-ISR24	Red	800-LR	2,375	Ind Std 1692	15W	24VDC .67A
801-ISA120	Amber	800-LA	1,445	Ind Std 15T7DC	15W	120VAC .15A
801-ISB120	Blue	800-LB	1,445	Ind Std 15T7DC	15W	120VAC .15A
801-ISC120	Clear	800-LC	1,445	Ind Std 15T7DC	15W	120VAC .15A
801-ISG120	Green	800-LG	1,445	Ind Std 15T7DC	15W	120VAC .15A
801-ISR120	Red	800-LR	1,445	Ind Std 15T7DC	15W	120VAC .15A



## Compact Strobe Lights 800 SERIES

#### **Features**

- Two Mounting Options Surface and 1/2" (13mm) Conduit
- 18" (305mm) Wire Leads
- Impact Resistant Polycarbonate Base and Lens
- Screw-on Lens
- Five Lens Colors

#### **Specifications**

- 24VDC or 120VAC Operation
- Weatherproof

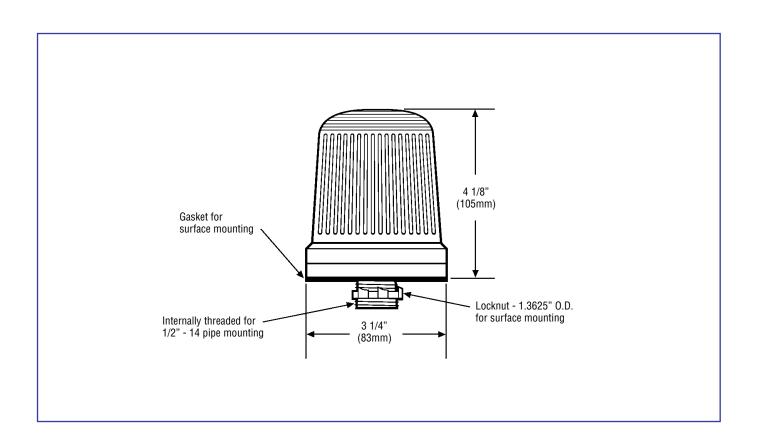
#### **Agency Approvals**

- UL Listed
- cUL Listed

Bridgeport 800 Series Strobe Lights are designed for industrial, commercial, and institutional applications where reliable and distinctive visual indication is required. The 800 Series are ideal for process control as well as vehicular applications such as tow motors. The strobe lights provide brilliant visual indication by utilizing a linear strobe tube inside a shatter resistant polycarbonate fresnel lens. The unit's lens simply screws on to the strobe base to allow for easy access and relamping.

Suitable for indoor or outdoor installation. When mounted outdoors the unit should be mounted with the lens facing up. A double threaded mounting nipple allows the unit to be panel mounted using the provided locknut or 1/2" (13mm) conduit mounted.

Bridgeport strobe lights are often used in areas of extreme noise where ear protection must be worn and audible signals cannot be effectively heard. They can also be used to advise and warn personnel in process control, warehouse and manufacturing areas when an operation is changing status or malfunctioning.



Cat. No.	Lens Color	Repl. Lens	Strobe Tube*	Candlepower	Elect. Ratings
800-STA24	Amber	800-LA	800-ST	175,000 (peak)	24VDC .35A
800-STB24	Blue	800-LB	800-ST	175,000 (peak)	24VDC .35A
800-STC24	Clear	800-LC	800-ST	175,000 (peak)	24VDC .35A
800-STG24	Green	800-LG	800-ST	175,000 (peak)	24VDC .35A
800-STR24	Red	800-LR	800-ST	175,000 (peak)	24VDC .35A
800-STA120	Amber	800-LA	800-ST	175,000 (peak)	120VAC .10A
800-STB120	Blue	800-LB	800-ST	175,000 (peak)	120VAC .10A
800-STC120	Clear	800-LC	800-ST	175,000 (peak)	120VAC .10A
800-STG120	Green	800-LG	800-ST	175,000 (peak)	120VAC .10A
800-STR120	Red	800-LR	800-ST	175,000 (peak)	120VAC .10A

<sup>\*</sup>Strobe tube is 2.2 joule and is rated at 1,500 hours. Strobe tube life is calculated at operating power to 75% efficiency.





# Type 4X Low Profile Strobe Lights 840 SERIES

#### **Features**

- T-mount or integrated 1/2" pipe mount
- Impact Resistant
- Low Profile
- Screw-on Lens
- Five Lens Colors

#### **Specifications**

- 12-48VDC or 120VAC Operation
- 65 to 95 FPM
- Type 4X, IP66 Enclosure
- 840P Height: 5.7" (144.8mm)
- 840T Height: 5.1" (129.5mm)
- Diameter: 3.1" (7.9mm)
- Operating Temperature: 31°F to 150°F (-35°C to 66°C)
- 2.2 Joule Strobe Tube

#### **Agency Approvals**

- UL Listed
- cUL Listed
- CSA Certified
- CE Approved (Pipe Mount Models)

Bridgeport introduces the 840 Series low profile strobe light. This Type 4X strobe is available in five colors: amber, blue, clear, green and red.

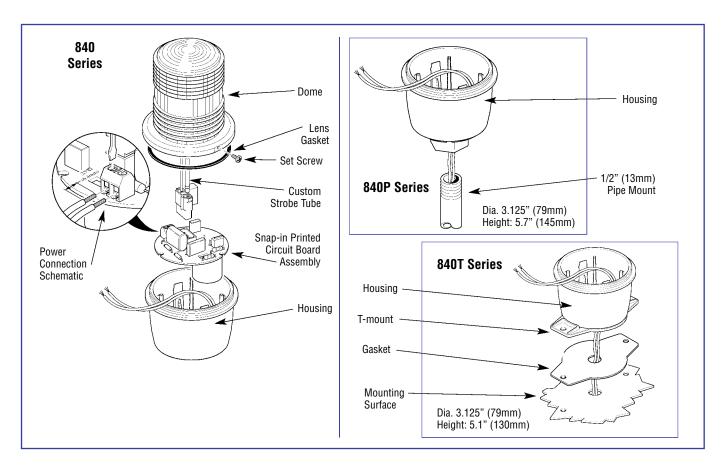
The 840 Series is offered in two mounting configurations. The 840P features an integrated 1/2" NPT pipe mount. The 840T features a popular two hole design for wall or flush mounting. The 840T includes a surface gasket to complete the Type 4X installation.

All units feature a threaded screw-on lens for easy strobetube replacement. The screw-on lens can be made tamperproof by simply tightening an installed screw in the base of the lens. The strobe tube is rated for 7,000 hours.

The 840 Series comes in 12-48VDC and 120VAC. The state of the art strobe mechanism produces 2.2 joules of energy, while drawing relatively low level amperage.

Bridgeport 840 Series strobes feature high-quality, long-life strobe lamps that are designed to reduce tungsten build-up for longer lamp life. Careful consideration is given to the relationship between lamp shape and lens design in order to achieve maximum light output and brilliance. Bridgeport 840 Series Strobe Lights make use of surface mount technology which produces a more powerful light in a much smaller package. The dry-electrolyte capacitor used in the 840 Series runs cooler than those used in many competitive strobes, resulting in a more reliable product that won't fail due to overheating.

Bridgeport strobe lights are often used in areas of extreme noise where ear protection must be worn and audible signals cannot be effectively heard. They can also be used to advise and warn personnel in process control, warehouse and manufacturing areas when an operation is changing status or malfunctioning.



Cat. No.	Lens Color	Repl. Lens	Strobe Tube	Candlepower	Elect. Ratings
840P-SA18	Amber	840-LA	K149130A	175,000 Peak*	12-48VDC .44010 A
840P-SB18	Blue	840-LB	K149130A	175,000 Peak*	12-48VDC .44010 A
840P-SC18	Clear	840-LC	K149130A	175,000 Peak*	12-48VDC .44010 A
840P-SG18	Green	840-LG	K149130A	175,000 Peak*	12-48VDC .44010 A
840P-SR18	Red	840-LR	K149130A	175,000 Peak*	12-48VDC .44010 A
840P-SA120	Amber	840-LA	K149130A	175,000 Peak*	120VAC 0.10 A
840P-SB120	Blue	840-LB	K149130A	175,000 Peak*	120VAC 0.10 A
840P-SC120	Clear	840-LC	K149130A	175,000 Peak*	120VAC 0.10 A
840P-SG120	Green	840-LG	K149130A	175,000 Peak*	120VAC 0.10 A
840P-SR120	Red	840-LR	K149130A	175,000 Peak*	120VAC 0.10 A
840T-SA18	Amber	840-LA	K149130A	175,000 Peak*	12-48VDC .44010 A
840T-SB18	Blue	840-LB	K149130A	175,000 Peak*	12-48VDC .44010 A
840T-SC18	Clear	840-LC	K149130A	175,000 Peak*	12-48VDC .44010 A
840T-SG18	Green	840-LG	K149130A	175,000 Peak*	12-48VDC .44010 A
840T-SR18	Red	840-LR	K149130A	175,000 Peak*	12-48VDC .44010 A
840T-SA120	Amber	840-LA	K149130A	175,000 Peak*	120VAC 0.10 A
840T-SB120	Blue	840-LB	K149130A	175,000 Peak*	120VAC 0.10 A
840T-SC120	Clear	840-LC	K149130A	175,000 Peak*	120VAC 0.10 A
840T-SG120	Green	840-LG	K149130A	175,000 Peak*	120VAC 0.10 A
840T-SR120	Red	840-LR	K149130A	175,000 Peak*	120VAC 0.10 A

<sup>\*</sup>Peak Candlepower is the maximum light intensity generated by a flashing light during its light pulse. ECP or Effective Candlepower is the intensity that would appear to an observer if the light were burning steadily. ECP of all units is 51.5.



#### **CALL FOR ASSISTANCE**



## Pull Cord Station CAT. NO. CA-PS

#### **Features**

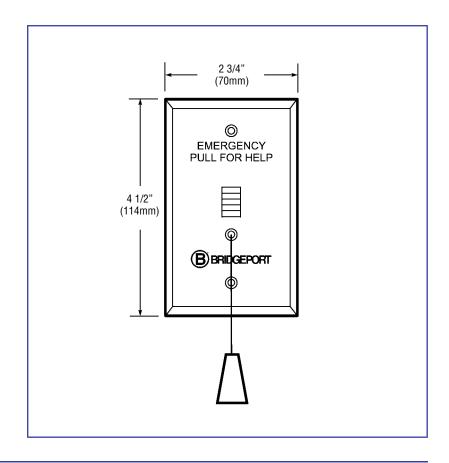
- DPST Switch
- Stainless Steel Face Marked "Emergency Pull For Help"

#### **Specifications**

• 6 amps at 125VAC

The Bridgeport CA-PS pull cord station provides for emergency call activation by pulling the supplied nylon cord downward. The call is reset at the station by simply pushing the activation switch upward.

The Bridgeport pull cord station mounts in a standard single gang box. The units' faceplate is marked "Emergency Pull For Help".



## Dome Light Stations CAT. NO. CA-DL



The Bridgeport CA-DL Series Corridor Dome Stations are used to indicate the need for personal assistance in nursing homes, health care facilities, bathrooms and other areas where people frequent. Stations are provided with both red and white domes. Simply discard the dome that is not intended for use. Units are available in both 24VAC and 120VAC and may be purchased as stand alone stations or as call for aid packages. The 120VAC call for aid package consists of a dome station and pull cord activation switch. The 24VAC call for aid package consists of a dome station, a pull cord activation switch and a 120VAC transformer with a 24VAC secondary.

## 4 9/16" (102mm) 4 9/16" (102mm)

#### **Features**

- 2 Internal Lamps
- Stainless Steel Faceplate
- White or Red Dome (Includes Both)
- 24VAC and 120VAC Models Available
- Available as a Stand Alone Dome Station or as a Complete Call for Assistance Installation Package
- UL Listed

Cat. No.	Description	Volts AC	Dome Color	VA Per Lamp
CA-DL-24	24VAC dome light only	24	White or Red	4.75
CA-DL-120	120VAC dome light only	120	White or Red	6.0
CA-100-24	24VAC dome light w/red & white lens, activation switch and transformer	24	White or Red	4.73
CA-100-120	120VAC dome light w/red & white lens and activation	120 switch	White or Red	6.0
CA-PS	Activation switch only (works with both 24VAC and	– d 120VAC un	– nits)	_



#### PRINCIPLES OF AUDIBLE & VISUAL SIGNALING

#### **Audible Signaling Basics**

Sound is perceived by virtue of variations in air pressure causing vibration in the human ear. The rate of these variations is the frequency of the sound and is expressed in Hertz (Hz). The human ear is capable of perceiving sound in the 20 to 20,000 Hz range.

The range of sound pressure to which the ear will respond is large. Because of this, a linear scale to compare different sound pressures is unpractical. Therefore, the decibel (dB), which is a logarithmic unit, is used to measure sound pressure levels.

To double the loudness you only have to add 3dB. For example, if a signal is rated at 85dB at 10 feet, then a signal twice as powerful would be rated at 88dB at 10 feet.

Sound pressure fluctuations diminish with increasing distance from the sound source. The table below illustrates how the sound pressure level changes with distance under good conditions.

Source in dB	Feet From the Source
100dB	10
94dB	20
90dB	30
88dB	40
82dB	80

As you can see by the previous table, sound pressure level changes 6 dB for each doubling or halving of distance. Other factors can also affect the sound pressure level, such as the presence of sound absorbing or reflecting materials.

## Things to Consider When Specifying Audible Signals

- 1. Functionality. Is the signal to be used for general alarm, start and dismissal, paging, or localized equipment malfunction and indication? The more critical the application, the more attention getting the signal must be. A mechanical horn or bell command attention and can be used to warn of danger and impending equipment damage. A small buzzer can be used to notify a machine operator of the completion of a process.
- **2. Uniformity.** A number of evenly distributed smaller audible signals are usually better than one large and loud signal. One large signal will typically be too loud for comfort for those close to the device.
- **3. Environment.** The frequency of the signaling device should be as different from the background environment as possible. The signal should also be sized such that it is at least 6dB greater than the background ambient noise. For example, if the background ambi-

ent is 80dB, the signal should be rated to be at least 86dB.

- **4. Area.** Common sense applies here but in a nutshell, the larger the area, the louder the signal and/or the greater number of signaling devices required.
- **5. Mounting.** As with all of our products, consider mounting constraints and choose a suitable mount. Audible signals perform best when rigidly mounted. This is because the signal's energy will be used to deliver sound rather than being absorbed into the mounting structure.

#### **Visual Signaling Basics**

Visual signals are often used in high ambient noise areas, where an audible signal may not be heard or understood. Examples of high noise areas would be airport runway areas and heavy industrial environments. Conversely, they are often used in areas where an audible signal would prove to be a distraction or impediment to work flow and process. Examples of these areas would be libraries, television and radio studios, and quiet areas in hospitals and nursing homes.

#### Types of Visual Signals that are available include:

- **1. Rotating Lights.** These lights are used for brightness in areas that have high ambient light levels or when the light must be seen from a long distance.
- **2. Steady-On or Flashing Lights.** These lights are used as a means to warn, communicate or draw attention to a specific area, machine or process.
- **3. Strobe Lights.** These lights are used for signaling or warning of various conditions. A strobe emits a powerful blast of bright light.

#### **Lens Colors and Their Applications**

Bridgeport strobes, steady, flashing and rotating beacons come in five lens colors: amber, blue, clear, green, and red. The following are examples of how various lens colors are used in industrial and commercial signaling environments.

Use
Denotes Caution
Used for safety and security.
Used to indicate normal run operation
Denotes emergency or warning

#### **GLOSSARY & EXPLANATIONS**

Candela Seconds: Actual light energy contained in a pulse of light. Used to specify the minimum requirements for light output from a flashing light. Candela seconds is a relative measure of how bright a flash of light will appear to a human eye. (Candela: The intensity base unit for light.) Candela seconds and candela effective (below) are the primary metrics by which to compare flashing warning lights.

Candela Effective or Effective Candlepower: Equates the brightness of a flashing light source to the brightness of a steady burning source. If a flashing light has a candela effective rating of 100 then it will be visible at the same distance as a 100 candela steady burning source. Candela effective is used in specifying intensities of flashing light sources because it compares flashing warning lights with steady burning light sources.

**Peak Candela or Peak Candlepower:** The maximum light intensity generated by a flashing light during its light pulse.

**Strobe, Principle of Operation:** A strobe light consists of a xenon strobe lamp or tube, power supply, energy storage capacitor and a trigger circuit.

The strobe tube consists of a glass tube that has an electrode at either end called an anode (+) and cathode (-). The tube is filled with xenon gas and a trigger element is applied to the outside of the tube. The trigger element could be a wire wrapped around the tube, a conductive paint stripe along one side of the glass bulb or clear conductive coating over the outside of the tube.

The power supply charges a large capacitor with the voltage needed to "strike" the bulb and is applied to the anode and cathode. The voltage is generally between 200 and 500 VDC depending on the design of the light. The trigger circuit applies 7,000 to 10,000 volts (low current) to the trigger element of the bulb causing the xenon gas to ionize and discharge the capacito..

The energy excites the xenon gas and produces a very short burst of high intensity white light.

Watts (Power): joules x flash rate

Joules = Watts / Flash Rate

Joules = (Capacitance in Microfarads) x  $\left(\frac{\text{lamp voltage}^2}{1000}\right)$ 

#### Things that impact light output:

- 1. Physical shape of the strobe lamp and arrangement within lens
- 2. Efficiency of the strobe lamp—its ability to turn electricity into a bright white light
- 3. Color of the lens
- 4. Size and efficiency of the lens



Bridgeport	UPC	Edwards	Tork	Maxi-Signal	Lee
Beacons					
B-52A-120	61721	52A-N5-40WH	TA 52AN5	MV-110 Amber	52 Amber
B-52B-120	61722	52B-N5-40WH	TA 52BN5	MV-110 Blue	52 Blue
B-52C-120	61723	52C-N5-40WH	TA 52CN5	MV-110 Clear	N/A
B-52G-120	61724	52G-N5-40WH	TA 52GN5	MV-110 Green	N/A
B-52R-120	61725	52R-N5-40WH	TA 52RN5	MV-110 Red	52 Red
700-RA24	61726	52A-G5-20WH	N/A	N/A	N/A
700-RB24	61727	52B-G5-20WH	N/A	N/A	N/A
700-RC24	61728	52C-G5-20WH	N/A	N/A	N/A
700-RG24	61729	52G-G5-20WH	N/A	N/A	N/A
700-RR24	61730	52R-G5-20WH	N/A	N/A	N/A
700-RA120	61731	52A-N5-40WH	TA 52AN5	MV-110 Amber	52 Amber
700-RB120	61732	52B-N5-40WH	TA 52BN5	MV-110 Blue	52 Blue
700-RC120	61733	52C-N5-40WH	TA 52CN5	MV-110 Clear	N/A
700-RG120	61734	52G-N5-40WH	TA 52GN5	MV-110 Green	N/A
700-RR120	61735	52R-N5-40WH	TA 52RN5	MV-110 Red	52 Red
800-STA24	61736	N/A	N/A	N/A	N/A
800-STB24	61737	N/A	N/A	N/A	N/A
800-STC24	61738	N/A	N/A	N/A	N/A
800-STG24	61739	N/A	N/A	N/A	N/A
800-STR24	61740	N/A	N/A	N/A	N/A
800-STA120	61741	104STA-N5	N/A	N/A	N/A
800-STB120	61742	104STB-N5	N/A	N/A	N/A
800-STC120	61743	104STC-N5	N/A	N/A	N/A
800-STG120	61744	104STG-N5	N/A	N/A	N/A
800-STR120	61745	104STR-N5	N/A	N/A	N/A
801-ISA24	61746	104SINHA-G1	N/A	N/A	N/A
801-ISB24	61747	104SINHB-G1	N/A	N/A	N/A
801-ISC24	61748	104SINHC-G1	N/A	N/A	N/A
801-ISG24	61749	104SINHG-G1	N/A	N/A	N/A
801-ISR24	61750	104SINHR-G1	N/A	N/A	N/A
801-ISA120	61751	104SINHA-N5	N/A	N/A	N/A
801-ISB120	61752	104SINHB-N5	N/A	N/A	N/A
801-ISC120	61753	104SINHC-N5	N/A	N/A	N/A
801-ISG120	61754	104SINHG-N5	N/A	N/A	N/A
801-ISR120	61755	104SINHR-N5	N/A	N/A	N/A
802-IFA24	61756	104FINHA-G1	N/A	N/A	N/A
802-IFB24	61757	104FINHB-G1	N/A	N/A	N/A
802-IFC24	61758	104FINHC-G1	N/A	N/A	N/A
802-IFG24	61759	104FINHG-G1	N/A	N/A	N/A
802-IFR24	61760	104FINHR-G1	N/A	N/A	N/A
802-IFA120	61761	104FINHA-N5	N/A	N/A	N/A
802-IFB120	61762	104FINHB-N5	N/A	N/A	N/A
802-IFC120	61763	104FINHC-N5	N/A	N/A	N/A
802-IFG120	61764	104FINHG-N5	N/A	N/A	N/A
802-IFR120	61765	104FINHR-N5	N/A	N/A	N/A

Bridgeport	UPC	Edwards	Tork	Maxi-Signal	Lee
Beacons (Continued	d)				
840P-SA18 `	61701	114PSTA-EK	N/A	N/A	N/A
840P-SB18	61702	114PSTB-EK	N/A	N/A	N/A
840P-SC18	61703	114PSTC-EK	N/A	N/A	N/A
840P-SG18	61704	114PSTG-EK	N/A	N/A	N/A
840P-SR18	61705	114PSTR-EK	N/A	N/A	N/A
840P-SA120	61706	114STA-N5	N/A	N/A	N/A
840P-SB120	61707	114STB-N5	N/A	N/A	N/A
840P-SC120	61708	114STC-N5	N/A	N/A	N/A
840P-SG120	61709	114STG-N5	N/A	N/A	N/A
840P-SR120	61710	114STR-N5	N/A	N/A	N/A
840T-SA18	61711	117A-EM	N/A	N/A	N/A
840T-SB18	61712	117B-EM	N/A	N/A	N/A
840T-SC18	61713	117C-EM	N/A	N/A	N/A
840T-SG18	61714	117G-EM	N/A	N/A	N/A
840T-SR18	61715	117R-EM	N/A	N/A	N/A
840T-SA120	61716	117A-N5	N/A	N/A	N/A
840T-SB120	61717	117B-N5	N/A	N/A	N/A
840T-SC120	61718	117C-N5	N/A	N/A	N/A
840T-SG120	61719	117G-N5	N/A	N/A	N/A
840T-SR120	61720	117R-N5	N/A	N/A	N/A
0701-011120	01720	11711-145	IV/A	IV/A	IN/A
Bells and Buzzers					
GP-501	61560	720	TA 720	N/A	100
GP-502	61561	725	TA 725	N/A	305
GP-503	61562	730	TA 730	N/A	101
GP-504	61563	740	TA 740	N/A	302
GP-505	61564	744	TA 744	N/A	304
437-4-6	61301	435-4C1	N/A	N/A	N/A
437-4R-6	61302	N/A	N/A	N/A	N/A
437-4-12	61303	435-4E1	N/A	N/A	N/A
437-4R-12	61304	N/A	N/A	N/A	N/A
437-4-24	61305	435-4G1	N/A	N/A	N/A
437-4R-24	61306	N/A	N/A	N/A	N/A
437-4-120	61307	340-4N5	TA 340-4N5	1005	3200, 4", 120V
437-4R-120	61308	N/A	N/A	N/A	N/A
437-6-6	61309	435-6C1	N/A	N/A	N/A
437-6R-6	61310	N/A	N/A	N/A	N/A
437-6-12	61311	435-6E1	TA 435-6E1	1203	N/A
437-6R-12	61312	N/A	N/A	N/A	N/A
437-6-24	61313	435-6G1	TA 435-6G1	2204	N/A
437-6R-24	61314	N/A	N/A	N/A	N/A
437-6-120	61315	340-6N5	TA 340-6N5	2005	3200, 6", 120V
437-6R-120	61316	N/A	N/A	N/A	N/A
437-8-6	61317	435-8C1	N/A	N/A	N/A
437-8R-6	61318	N/A	N/A	N/A	N/A
437-8-12	61319	435-8E1	N/A	N/A	N/A
437-8R-12	61320	N/A	N/A	N/A	N/A N/A
437-8-24	61321	435-8G1	N/A	N/A	N/A N/A
437-8R-24	61322	N/A	N/A	N/A	N/A N/A
437-8-120	61323	N/A N/A	N/A N/A	N/A N/A	N/A N/A
401-0-120	01323	IN/A	IN/A	IN/A	IN/A

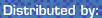


Bridgeport	UPC	Edwards	Tork	Maxi-Signal	Lee
Bells and Buzzers	(Continued)				
437-8R-120	61324	N/A	N/A	N/A	N/A
437-10-6	61325	435-10C1	N/A	N/A	N/A
437-10R-6	61326	N/A	N/A	N/A	N/A
437-10-12	61327	435-10E1	TA 435-10E1	N/A	N/A
437-10R-12	61328	N/A	N/A	N/A	N/A
437-10-24V	61329	435-10G1	TA 535-10G1	N/A	N/A
437-10R-24	61330	N/A	N/A	N/A	N/A
437-10-120	61331	340-10N5	TA 340-10N5	N/A	3200, 10" 120V
437-10R120	61332	N/A	N/A	N/A	N/A
B437WPBX-G	61610	449	TA-WBBF	N/A	N/A
B437WPBX-R	61611	N/A	TA-WBBFR	N/A	N/A
Call for Assistance					
CA-PS	; 61774	6537	N/A	N/A	N/A
CA-100-120	61770	N/A	N/A	N/A	N/A
CA-100-24	61771	N/A	N/A	N/A	N/A
CA-DL-120	61772	7641-1N5/7641R-1N5	N/A	N/A	N/A
CA-DL-24	61773	7641-1G5/7641R-1G5		N/A	N/A
		7011 1007101111 100			
Chimes and Chime		0040111	TAO 040144	N1/A	<b>N</b> 1/A
C-202W	61401	C212-W	TAC 212W	N/A	N/A
C-202WL	61402	C212W-2L	TAC 212WL	N/A	636P
C-201WS	61403	N/A	N/A	N/A	N/A
C-201WSL	61404	N/A	N/A	N/A	N/A
C-200W	61405	C210-W	TAC 210W	N/A	636EMR Box
Door Openers					
DS-101B	61540	N/A	N/A	N/A	14-24V
DS-101C	61541	9E	N/A	N/A	14C-24V
DS-102S	61542	188	N/A	N/A	2
DS-103B	61543	150-G1	TA 150	N/A	12-24V
DS-103C	61544	151-G1	TA 151	N/A	12C-24V
Push Buttons and B-236	61775	236	N/A	N/A	207
PB-301	61501	502A	N/A	N/A	210 DN
PB-301N	61502	501A-G	N/A	N/A	N/A
PB-302	61503	600	TA600	N/A	201
PB-303	61504	603	TA603	N/A	200
PB-304	61505	1786C-B	TA1785A	N/A	810X
PB-305B	61506	620-B	TA620B	N/A	N/A
PB-305C	61507	620	TA620	N/A	205C
PB-305BL	61508	620-LB	TA620LB	N/A	N/A
PB-305CL	61509	620-L	TA620L	N/A	N/A
PB-306B	61511	621-B	N/A	N/A	N/A
PB-306C	61510	621	N/A	N/A	N/A
PB-307GL	61512	N/A	N/A	N/A	N/A
PB-307WL	61513	N/A	N/A	N/A	N/A
PB-307W	61514	631	N/A	N/A	N/A
PB-308BL	61515	656-B	TA656B	N/A	N/A
PB-308CL	61516	656-C	TA656C	N/A	N/A

Transformers         Transformers         Transformers         Transformers         Transformers         TF-601         61580         591         TA 591         N/A         323M           T-602         61581         592         TA 592         N/A         592           T-603         61582         598         TA 599         N/A         598           T-604         61583         599         TA 599         N/A         599           Vibrating         Horns         B-876-120         61608         874-N5         TA876-N5         N/A         876B           B-876-120         61608         876-N5         TA876-N5         N/A         876B           Vaporproof         Lighting         B2000         111SING-WM         N/A         N/A         N/A         N/A           VPXCG-11R         82001         111SING-WM         N/A         N/A         N/A         N/A         N/A           VPXCG-11B         82002         111SING-WM         N/A         N						
T-601 61590 591 TA 591 N/A 323M T-602 61581 592 TA 592 N/A 592 T-603 61582 598 TA 598 N/A 598 T-604 61583 599 TA 599 N/A 599 Vibrating Horns B-874-120 61608 874-N5 TA874-N5 6114B-0-15-120-60 874B B-876-120 61609 876-N5 TA876-N5 N/A 876B Vaporproof Lighting VPXCG-11 82000 111SINC-WM N/A	Bridgeport	UPC	Edwards	Tork	Maxi-Signal	Lee
T-802 61581 592 TA 592 N/A 598 T-803 61582 598 TA 599 N/A 599 T-804 61583 599 TA 599 N/A 599 T-804 61583 599 TA 599 N/A 599 TA 599 TA 599 N/A 596 TA 599 TA 599 N/A 596 TA 599 TA 599	Transformers					
T-803 61582 598 TA 598 N/A 598 TA 599 N/A 599 Vibrating Horns B-874-120 61609 876-N5 TA874-N5 6114B-0-15-120-60 874B B-876-120 61609 876-N5 TA876-N5 N/A 876B VZAG-110 82001 1115INC-WM N/A	T-601	61580	591	TA 591	N/A	323M
T-604	T-602	61581	592	TA 592	N/A	592
Nibrating   Horns   B-874-120	T-603	61582	598	TA 598	N/A	598
B-876-120	T-604	61583	599	TA 599	N/A	599
B-876-120	Vibrating Horns					
B-876-120   61609   876-N5   TA876-N5   N/A   876B   Napprproof Lighting   VPXCG-11G   82001   111SINC-WM   N/A   N/A   N/A   N/A   N/A   VPXCG-11G   82001   111SING-WM   N/A   N	_	61608	874-N5	TA874-N5	6114B-0-15-120-60	874B
VPXCG-11				TA876-N5	N/A	876B
VPXCG-11	Vaporproof Lighting	α				
VPXCG-11R         82002         111SINR-WM         N/A         N/A         N/A           VPXCG-11B         82003         111SINR-WM         N/A         N/A         N/A           VPXCG-21B         82005         N/A         N/A         N/A         N/A         N/A           VPXCG-21G         82006         N/A         N/A         N/A         N/A         N/A           VPXCG-21B         82007         N/A         N/A         N/A         N/A         N/A           VPXCG-21A         82008         N/A         N/A         N/A         N/A         N/A           VPXCG-21B         82009         N/A         N/A         N/A         N/A         N/A           VAPCG-21B         82009         N/A         N/A         N/A         N/A         N/A           VAPCG-01G         82020         N/A         N/A         N/A         N/A         N/A           VAPCG-01G         82021         N/A         N/A         N/A         N/A         N/A           VAPCG-01B         82022         N/A         N/A         N/A         N/A         N/A           VAPCG-01B         82021         N/A         N/A         N/A         N/A         N/A		_	111SINC-WM	N/A	N/A	N/A
VPXCG-11A         82003         111SINA-WM         N/A         N/A         N/A           VPXCG-11B         82004         111SINB-WM         N/A         N/A         N/A         N/A           VPXCG-21G         82005         N/A         N/A         N/A         N/A         N/A           VPXCG-21G         82006         N/A         N/A         N/A         N/A         N/A           VPXCG-21B         82007         N/A         N/A         N/A         N/A         N/A           VPXCG-21B         82009         N/A         N/A         N/A         N/A         N/A           VAPCG-21B         82020         N/A         N/A         N/A         N/A         N/A           VAPCG-01G         82021         N/A         N/A         N/A         N/A         N/A           VAPCG-01B         82022         N/A         N/A         N/A         N/A         N/A           VASCG-111         82025         N/A         N/A         N/A         N/A         N/A           VASCG-11B         82025         111SING         N/A         N/A         N/A         N/A           VASCG-11B         82026         111SING         N/A         N/A	VPXCG-11G	82001	111SING-WM	N/A	N/A	N/A
VPXCG-11B         82004         111SINB-WM         N/A         N/A         N/A           VPXCG-21         82005         N/A         N/A         N/A         N/A         N/A           VPXCG-21R         82006         N/A         N/A         N/A         N/A         N/A           VPXCG-21A         82008         N/A         N/A         N/A         N/A         N/A           VPXCG-21B         82009         N/A         N/A         N/A         N/A         N/A           VPXCG-21B         82009         N/A         N/A         N/A         N/A         N/A           VAPCG-21B         82009         N/A         N/A         N/A         N/A         N/A           VAPCG-01G         82020         N/A         N/A         N/A         N/A         N/A           VAPCG-01B         82022         N/A         N/A         N/A         N/A         N/A           VAPCG-01B         82023         N/A         N/A         N/A         N/A         N/A           VASCG-11B         82025         111SINC         N/A         N/A         N/A         N/A           VASCG-11G         82026         111SINB         N/A         N/A         N/A	VPXCG-11R	82002	111SINR-WM	N/A	N/A	N/A
VPXCG-21 82005 N/A N/A N/A N/A N/A N/A N/A VPXCG-21G 82006 N/A	VPXCG-11A	82003	111SINA-WM	N/A	N/A	N/A
VPXCG-21G         82006         N/A         N/A         N/A         N/A         N/A           VPXCG-21A         82007         N/A	VPXCG-11B	82004	111SINB-WM	N/A	N/A	N/A
VPXCG-21R         82007         N/A         N/A         N/A         N/A         N/A           VPXCG-21A         82008         N/A         N/A         N/A         N/A         N/A           VPXCG-21B         82009         N/A         N/A         N/A         N/A         N/A           VAPCG-011         82020         N/A         N/A         N/A         N/A         N/A           VAPCG-01G         82021         N/A         N/A         N/A         N/A         N/A           VAPCG-01R         82022         N/A         N/A         N/A         N/A         N/A           VAPCG-01B         82023         N/A         N/A         N/A         N/A         N/A           VASCG-11B         82025         111SINC         N/A         N/A         N/A         N/A           VASCG-11G         82026         111SING         N/A         N/A         N/A         N/A           VASCG-11A         82027         111SINA         N/A         N/A         N/A         N/A           VASCG-11A         82029         111SINB         N/A         N/A         N/A         N/A           VASCG-21B         82030         N/A         N/A         N	VPXCG-21	82005	N/A	N/A	N/A	N/A
VPXCG-21A         82008         N/A         N/A         N/A         N/A         N/A           VPXCG-21B         82009         N/A         N/A         N/A         N/A         N/A           VAPCG-01         82020         N/A         N/A         N/A         N/A         N/A           VAPCG-01G         82021         N/A         N/A         N/A         N/A         N/A           VAPCG-01R         82022         N/A         N/A         N/A         N/A         N/A           VAPCG-01B         82023         N/A         N/A         N/A         N/A         N/A           VAPCG-01B         82024         N/A         N/A         N/A         N/A         N/A           VASCG-11         82025         111SINC         N/A         N/A         N/A         N/A           VASCG-11G         82026         111SING         N/A         N/A         N/A         N/A           VASCG-11B         82027         111SINB         N/A         N/A         N/A         N/A           VASCG-11B         82029         111SINB         N/A         N/A         N/A         N/A           VASCG-21G         82030         N/A         N/A         N/A	VPXCG-21G	82006	N/A	N/A	N/A	N/A
VPXCG-21B         82009         N/A         N/A         N/A         N/A           VAPCG-01         82020         N/A         N/A         N/A         N/A         N/A           VAPCG-01G         82021         N/A         N/A         N/A         N/A         N/A           VAPCG-01R         82022         N/A         N/A         N/A         N/A         N/A           VAPCG-01B         82023         N/A         N/A         N/A         N/A         N/A           VAPCG-01B         82024         N/A         N/A         N/A         N/A         N/A           VASCG-11         82025         111SINC         N/A         N/A         N/A         N/A           VASCG-11G         82026         111SING         N/A         N/A         N/A         N/A           VASCG-11B         82027         111SINB         N/A         N/A         N/A         N/A           VASCG-11B         82029         111SINB         N/A         N/A         N/A         N/A           VASCG-21B         82030         N/A         N/A         N/A         N/A         N/A           VASCG-21B         82031         N/A         N/A         N/A         N/A	VPXCG-21R	82007	N/A	N/A	N/A	N/A
VAPCG-01         82020         N/A         N/A         N/A         N/A           VAPCG-01G         82021         N/A         N/A         N/A         N/A         N/A           VAPCG-01R         82022         N/A         N/A         N/A         N/A         N/A           VAPCG-01B         82023         N/A         N/A         N/A         N/A         N/A           VAPCG-01B         82024         N/A         N/A         N/A         N/A         N/A           VASCG-11         82025         111SINC         N/A         N/A         N/A         N/A           VASCG-11G         82026         111SING         N/A         N/A         N/A         N/A           VASCG-11R         82027         111SINA         N/A         N/A         N/A         N/A           VASCG-11B         82029         111SINB         N/A         N/A         N/A         N/A           VASCG-21B         82030         N/A         N/A         N/A         N/A         N/A           VASCG-21B         82031         N/A         N/A         N/A         N/A         N/A           VASCG-21B         82031         N/A         N/A         N/A         N/A	VPXCG-21A	82008	N/A	N/A	N/A	N/A
VAPCG-01G         82021         N/A         N/A         N/A         N/A           VAPCG-01R         82022         N/A         N/A         N/A         N/A         N/A           VAPCG-01B         82023         N/A         N/A         N/A         N/A         N/A           VAPCG-01B         82024         N/A         N/A         N/A         N/A         N/A           VASCG-01B         82025         111SINC         N/A         N/A         N/A         N/A           VASCG-11G         82026         111SINR         N/A         N/A         N/A         N/A           VASCG-11A         82029         111SINA         N/A         N/A         N/A         N/A           VASCG-11B         82029         111SINB         N/A         N/A         N/A         N/A           VASCG-21B         82030         N/A         N/A         N/A         N/A         N/A           VASCG-21B         82031         N/A         N/A         N/A         N/A         N/A           VASCG-21B         82032         N/A         N/A         N/A         N/A         N/A           VATCG-01B         82035         N/A         N/A         N/A         N	VPXCG-21B	82009	N/A	N/A	N/A	N/A
VAPCG-01G         82021         N/A         N/A         N/A         N/A           VAPCG-01R         82022         N/A         N/A         N/A         N/A         N/A           VAPCG-01B         82023         N/A         N/A         N/A         N/A         N/A           VAPCG-01B         82024         N/A         N/A         N/A         N/A         N/A           VASCG-01B         82025         111SINC         N/A         N/A         N/A         N/A           VASCG-11G         82026         111SINR         N/A         N/A         N/A         N/A           VASCG-11A         82029         111SINA         N/A         N/A         N/A         N/A           VASCG-11B         82029         111SINB         N/A         N/A         N/A         N/A           VASCG-21B         82030         N/A         N/A         N/A         N/A         N/A           VASCG-21B         82031         N/A         N/A         N/A         N/A         N/A           VASCG-21B         82032         N/A         N/A         N/A         N/A         N/A           VATCG-01B         82035         N/A         N/A         N/A         N	VAPCG-01	82020	N/A	N/A	N/A	N/A
VAPCG-01R         82022         N/A         N/A         N/A         N/A           VAPCG-01A         82023         N/A         N/A         N/A         N/A         N/A           VAPCG-01B         82024         N/A         N/A         N/A         N/A         N/A           VASCG-11         82025         111SINC         N/A         N/A         N/A         N/A           VASCG-11G         82026         111SING         N/A         N/A         N/A         N/A           VASCG-11B         82027         111SINA         N/A         N/A         N/A         N/A           VASCG-11B         82029         111SINB         N/A         N/A         N/A         N/A           VASCG-21B         82030         N/A         N/A         N/A         N/A         N/A           VASCG-21G         82031         N/A         N/A         N/A         N/A         N/A           VASCG-21B         82032         N/A         N/A         N/A         N/A         N/A           VASCG-21B         82033         N/A         N/A         N/A         N/A         N/A           VATCG-01G         82035         N/A         N/A         N/A         N/		82021				
VAPCG-01A         82023         N/A         N/A         N/A         N/A           VAPCG-01B         82024         N/A         N/A         N/A         N/A           VASCG-11         82025         111SINC         N/A         N/A         N/A           VASCG-11G         82026         111SING         N/A         N/A         N/A           VASCG-11R         82027         111SINR         N/A         N/A         N/A           VASCG-11A         82028         111SINA         N/A         N/A         N/A           VASCG-11B         82029         111SINB         N/A         N/A         N/A           VASCG-21B         82030         N/A         N/A         N/A         N/A           VASCG-21B         82031         N/A         N/A         N/A         N/A           VASCG-21B         82032         N/A         N/A         N/A         N/A           VASCG-21B         82033         N/A         N/A         N/A         N/A           VATCG-01         82035         N/A         N/A         N/A         N/A           VATCG-01B         82035         N/A         N/A         N/A         N/A           VATCG-01A						
VASCG-111 82025 111SINC N/A N/A N/A N/A N/A N/A N/A N/A SCG-11G 82026 111SING N/A	VAPCG-01A	82023	N/A	N/A	N/A	N/A
VASCG-11G         82026         111SING         N/A         N/A         N/A           VASCG-11R         82027         111SINR         N/A         N/A         N/A           VASCG-11A         82028         111SINB         N/A         N/A         N/A           VASCG-11B         82029         111SINB         N/A         N/A         N/A           VASCG-21         82030         N/A         N/A         N/A         N/A         N/A           VASCG-21G         82031         N/A         N/A         N/A         N/A         N/A           VASCG-21R         82032         N/A         N/A         N/A         N/A         N/A           VASCG-21B         82033         N/A         N/A         N/A         N/A         N/A           VATCG-01         82035         N/A         N/A         N/A         N/A         N/A           VATCG-016         82036         N/A         N/A         N/A         N/A         N/A           VATCG-01B         82037         N/A         N/A         N/A         N/A         N/A           VAXCG-111         82040         111SING-CM         N/A         N/A         N/A         N/A <t< td=""><td>VAPCG-01B</td><td>82024</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></t<>	VAPCG-01B	82024	N/A	N/A	N/A	N/A
VASCG-11G         82026         111SING         N/A         N/A         N/A           VASCG-11R         82027         111SINR         N/A         N/A         N/A           VASCG-11A         82028         111SINB         N/A         N/A         N/A           VASCG-11B         82029         111SINB         N/A         N/A         N/A           VASCG-21         82030         N/A         N/A         N/A         N/A         N/A           VASCG-21G         82031         N/A         N/A         N/A         N/A         N/A           VASCG-21R         82032         N/A         N/A         N/A         N/A         N/A           VASCG-21B         82033         N/A         N/A         N/A         N/A         N/A           VATCG-01         82035         N/A         N/A         N/A         N/A         N/A           VATCG-016         82036         N/A         N/A         N/A         N/A         N/A           VATCG-01B         82037         N/A         N/A         N/A         N/A         N/A           VAXCG-111         82040         111SING-CM         N/A         N/A         N/A         N/A <t< td=""><td>VASCG-11</td><td>82025</td><td>111SINC</td><td>N/A</td><td>N/A</td><td>N/A</td></t<>	VASCG-11	82025	111SINC	N/A	N/A	N/A
VASCG-11A         82028         111SINA         N/A         N/A         N/A           VASCG-11B         82029         111SINB         N/A         N/A         N/A         N/A           VASCG-21         82030         N/A         N/A         N/A         N/A         N/A           VASCG-21G         82031         N/A         N/A         N/A         N/A         N/A           VASCG-21R         82032         N/A         N/A         N/A         N/A         N/A           VASCG-21A         82033         N/A         N/A         N/A         N/A         N/A           VASCG-21B         82034         N/A         N/A         N/A         N/A         N/A           VATCG-01         82035         N/A         N/A         N/A         N/A         N/A           VATCG-01G         82036         N/A         N/A         N/A         N/A         N/A           VATCG-01B         82037         N/A         N/A         N/A         N/A         N/A           VAXCG-11         82040         111SINC-CM         N/A         N/A         N/A         N/A           VAXCG-11G         82041         111SINC-CM         N/A         N/A <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
VASCG-11B         82029         111SINB         N/A         N/A         N/A           VASCG-21         82030         N/A         N/A         N/A         N/A         N/A           VASCG-21G         82031         N/A         N/A         N/A         N/A         N/A           VASCG-21R         82032         N/A         N/A         N/A         N/A         N/A           VASCG-21A         82033         N/A         N/A         N/A         N/A         N/A           VASCG-21B         82034         N/A         N/A         N/A         N/A         N/A           VATCG-01         82035         N/A         N/A         N/A         N/A         N/A           VATCG-01G         82036         N/A         N/A         N/A         N/A         N/A           VATCG-01B         82037         N/A         N/A         N/A         N/A         N/A           VATCG-01A         82038         N/A         N/A         N/A         N/A         N/A           VAXCG-01B         82039         N/A         N/A         N/A         N/A         N/A           VAXCG-11G         82041         111SING-CM         N/A         N/A         N/A	VASCG-11R	82027	111SINR	N/A	N/A	N/A
VASCG-21         82030         N/A         N/A         N/A         N/A           VASCG-21G         82031         N/A         N/A         N/A         N/A           VASCG-21R         82032         N/A         N/A         N/A         N/A           VASCG-21A         82033         N/A         N/A         N/A         N/A         N/A           VASCG-21B         82034         N/A         N/A         N/A         N/A         N/A           VATCG-01         82035         N/A         N/A         N/A         N/A         N/A           VATCG-016         82036         N/A         N/A         N/A         N/A         N/A           VATCG-017         82036         N/A         N/A         N/A         N/A         N/A           VATCG-018         82037         N/A         N/A         N/A         N/A         N/A           VAXCG-01B         82038         N/A         N/A         N/A         N/A         N/A           VAXCG-11         82040         111SINC-CM         N/A         N/A         N/A         N/A           VAXCG-11R         82041         111SINC-CM         N/A         N/A         N/A         N/A	VASCG-11A	82028	111SINA	N/A	N/A	N/A
VASCG-21G         82031         N/A         N/A         N/A         N/A           VASCG-21R         82032         N/A         N/A         N/A         N/A           VASCG-21A         82033         N/A         N/A         N/A         N/A           VASCG-21B         82034         N/A         N/A         N/A         N/A           VATCG-01         82035         N/A         N/A         N/A         N/A           VATCG-01G         82036         N/A         N/A         N/A         N/A           VATCG-01B         82037         N/A         N/A         N/A         N/A           VATCG-01A         82038         N/A         N/A         N/A         N/A           VATCG-01B         82039         N/A         N/A         N/A         N/A           VAXCG-11         82040         111SINC-CM         N/A         N/A         N/A           VAXCG-11G         82041         111SINC-CM         N/A         N/A         N/A           VAXCG-11B         82042         111SINC-CM         N/A         N/A         N/A           VAXCG-11B         82043         111SINC-CM         N/A         N/A         N/A           VAXCG-21	VASCG-11B	82029	111SINB	N/A	N/A	N/A
VASCG-21G         82031         N/A         N/A         N/A         N/A           VASCG-21R         82032         N/A         N/A         N/A         N/A           VASCG-21A         82033         N/A         N/A         N/A         N/A           VASCG-21B         82034         N/A         N/A         N/A         N/A           VATCG-01         82035         N/A         N/A         N/A         N/A           VATCG-01G         82036         N/A         N/A         N/A         N/A           VATCG-01B         82037         N/A         N/A         N/A         N/A           VATCG-01A         82038         N/A         N/A         N/A         N/A           VATCG-01B         82039         N/A         N/A         N/A         N/A           VAXCG-11         82040         111SINC-CM         N/A         N/A         N/A           VAXCG-11G         82041         111SINC-CM         N/A         N/A         N/A           VAXCG-11B         82042         111SINC-CM         N/A         N/A         N/A           VAXCG-11B         82043         111SINC-CM         N/A         N/A         N/A           VAXCG-21	VASCG-21	82030	N/A	N/A	N/A	N/A
VASCG-21A         82033         N/A         N/A         N/A         N/A           VASCG-21B         82034         N/A         N/A         N/A         N/A           VATCG-01         82035         N/A         N/A         N/A         N/A           VATCG-01G         82036         N/A         N/A         N/A         N/A           VATCG-01R         82037         N/A         N/A         N/A         N/A           VATCG-01A         82038         N/A         N/A         N/A         N/A           VATCG-01B         82039         N/A         N/A         N/A         N/A           VAXCG-11         82040         111SINC-CM         N/A         N/A         N/A           VAXCG-11G         82041         111SING-CM         N/A         N/A         N/A           VAXCG-11R         82042         111SING-CM         N/A         N/A         N/A           VAXCG-11B         82044         111SING-CM         N/A         N/A         N/A           VAXCG-21         82045         N/A         N/A         N/A         N/A           VAXCG-21G         82046         N/A         N/A         N/A         N/A           VAXCG-21A		82031				
VASCG-21A         82033         N/A         N/A         N/A         N/A           VASCG-21B         82034         N/A         N/A         N/A         N/A           VATCG-01         82035         N/A         N/A         N/A         N/A           VATCG-01G         82036         N/A         N/A         N/A         N/A           VATCG-01R         82037         N/A         N/A         N/A         N/A           VATCG-01A         82038         N/A         N/A         N/A         N/A           VATCG-01B         82039         N/A         N/A         N/A         N/A           VAXCG-11         82040         111SINC-CM         N/A         N/A         N/A           VAXCG-11G         82041         111SING-CM         N/A         N/A         N/A           VAXCG-11R         82042         111SING-CM         N/A         N/A         N/A           VAXCG-11B         82043         111SING-CM         N/A         N/A         N/A           VAXCG-21         82045         N/A         N/A         N/A         N/A           VAXCG-21G         82046         N/A         N/A         N/A         N/A           VAXCG-21R	VASCG-21R	82032	N/A	N/A	N/A	N/A
VATCG-01         82035         N/A         N/A         N/A         N/A           VATCG-01G         82036         N/A         N/A         N/A         N/A         N/A           VATCG-01R         82037         N/A         N/A         N/A         N/A         N/A           VATCG-01A         82038         N/A         N/A         N/A         N/A         N/A           VATCG-01B         82039         N/A         N/A         N/A         N/A         N/A           VAXCG-01B         82040         111SINC-CM         N/A         N/A         N/A         N/A           VAXCG-11G         82041         111SINC-CM         N/A         N/A         N/A         N/A           VAXCG-11R         82042         111SINR-CM         N/A         N/A         N/A         N/A           VAXCG-11A         82043         111SINA-CM         N/A         N/A         N/A         N/A           VAXCG-11B         82044         111SINB-CM         N/A         N/A         N/A         N/A           VAXCG-21G         82045         N/A         N/A         N/A         N/A         N/A           VAXCG-21R         82047         N/A         N/A         N/A<		82033				
VATCG-01G         82036         N/A         N/A         N/A         N/A           VATCG-01R         82037         N/A         N/A         N/A         N/A         N/A           VATCG-01A         82038         N/A         N/A         N/A         N/A         N/A           VATCG-01B         82039         N/A         N/A         N/A         N/A         N/A           VAXCG-11         82040         111SINC-CM         N/A         N/A         N/A         N/A           VAXCG-11G         82041         111SING-CM         N/A         N/A         N/A         N/A           VAXCG-11R         82042         111SINR-CM         N/A         N/A         N/A         N/A           VAXCG-11A         82043         111SINA-CM         N/A         N/A         N/A         N/A           VAXCG-11B         82044         111SINB-CM         N/A         N/A         N/A         N/A           VAXCG-21G         82045         N/A         N/A         N/A         N/A         N/A           VAXCG-21R         82047         N/A         N/A         N/A         N/A         N/A           VAXCG-21A         82048         N/A         N/A         N/A<	VASCG-21B	82034	N/A	N/A	N/A	N/A
VATCG-01G         82036         N/A         N/A         N/A         N/A           VATCG-01R         82037         N/A         N/A         N/A         N/A         N/A           VATCG-01A         82038         N/A         N/A         N/A         N/A         N/A           VATCG-01B         82039         N/A         N/A         N/A         N/A         N/A           VAXCG-11         82040         111SINC-CM         N/A         N/A         N/A         N/A           VAXCG-11G         82041         111SING-CM         N/A         N/A         N/A         N/A           VAXCG-11R         82042         111SINR-CM         N/A         N/A         N/A         N/A           VAXCG-11A         82043         111SINA-CM         N/A         N/A         N/A         N/A           VAXCG-11B         82044         111SINB-CM         N/A         N/A         N/A         N/A           VAXCG-21G         82045         N/A         N/A         N/A         N/A         N/A           VAXCG-21R         82047         N/A         N/A         N/A         N/A         N/A           VAXCG-21A         82048         N/A         N/A         N/A<	VATCG-01	82035	N/A	N/A	N/A	N/A
VATCG-01A         82038         N/A         N/A         N/A         N/A           VATCG-01B         82039         N/A         N/A         N/A         N/A           VAXCG-11         82040         111SINC-CM         N/A         N/A         N/A           VAXCG-11G         82041         111SING-CM         N/A         N/A         N/A           VAXCG-11R         82042         111SINR-CM         N/A         N/A         N/A           VAXCG-11A         82043         111SINA-CM         N/A         N/A         N/A           VAXCG-11B         82044         111SINB-CM         N/A         N/A         N/A           VAXCG-21         82045         N/A         N/A         N/A         N/A           VAXCG-21G         82046         N/A         N/A         N/A         N/A           VAXCG-21R         82047         N/A         N/A         N/A         N/A           VAXCG-21A         82048         N/A         N/A         N/A         N/A	VATCG-01G	82036	N/A	N/A	N/A	N/A
VATCG-01B         82039         N/A         N/A         N/A         N/A           VAXCG-11         82040         111SINC-CM         N/A         N/A         N/A           VAXCG-11G         82041         111SING-CM         N/A         N/A         N/A           VAXCG-11R         82042         111SINR-CM         N/A         N/A         N/A           VAXCG-11A         82043         111SINA-CM         N/A         N/A         N/A           VAXCG-11B         82044         111SINB-CM         N/A         N/A         N/A           VAXCG-21         82045         N/A         N/A         N/A         N/A           VAXCG-21G         82046         N/A         N/A         N/A         N/A           VAXCG-21R         82047         N/A         N/A         N/A         N/A           VAXCG-21A         82048         N/A         N/A         N/A         N/A	VATCG-01R	82037	N/A	N/A	N/A	N/A
VAXCG-11         82040         111SINC-CM         N/A         N/A         N/A           VAXCG-11G         82041         111SING-CM         N/A         N/A         N/A           VAXCG-11R         82042         111SINR-CM         N/A         N/A         N/A           VAXCG-11A         82043         111SINA-CM         N/A         N/A         N/A           VAXCG-11B         82044         111SINB-CM         N/A         N/A         N/A           VAXCG-21         82045         N/A         N/A         N/A         N/A           VAXCG-21G         82046         N/A         N/A         N/A         N/A           VAXCG-21R         82047         N/A         N/A         N/A         N/A           VAXCG-21A         82048         N/A         N/A         N/A         N/A	VATCG-01A	82038	N/A	N/A	N/A	N/A
VAXCG-11G         82041         111SING-CM         N/A         N/A         N/A           VAXCG-11R         82042         111SINR-CM         N/A         N/A         N/A           VAXCG-11A         82043         111SINA-CM         N/A         N/A         N/A           VAXCG-11B         82044         111SINB-CM         N/A         N/A         N/A           VAXCG-21         82045         N/A         N/A         N/A         N/A           VAXCG-21G         82046         N/A         N/A         N/A         N/A           VAXCG-21R         82047         N/A         N/A         N/A         N/A           VAXCG-21A         82048         N/A         N/A         N/A         N/A	VATCG-01B	82039	N/A	N/A	N/A	N/A
VAXCG-11G         82041         111SING-CM         N/A         N/A         N/A           VAXCG-11R         82042         111SINR-CM         N/A         N/A         N/A           VAXCG-11A         82043         111SINA-CM         N/A         N/A         N/A           VAXCG-11B         82044         111SINB-CM         N/A         N/A         N/A           VAXCG-21         82045         N/A         N/A         N/A         N/A           VAXCG-21G         82046         N/A         N/A         N/A         N/A           VAXCG-21R         82047         N/A         N/A         N/A         N/A           VAXCG-21A         82048         N/A         N/A         N/A         N/A	VAXCG-11	82040	111SINC-CM	N/A	N/A	N/A
VAXCG-11A         82043         111SINA-CM         N/A         N/A         N/A           VAXCG-11B         82044         111SINB-CM         N/A         N/A         N/A           VAXCG-21         82045         N/A         N/A         N/A         N/A           VAXCG-21G         82046         N/A         N/A         N/A         N/A           VAXCG-21R         82047         N/A         N/A         N/A         N/A           VAXCG-21A         82048         N/A         N/A         N/A         N/A						N/A
VAXCG-11B         82044         111SINB-CM         N/A         N/A         N/A           VAXCG-21         82045         N/A         N/A         N/A         N/A           VAXCG-21G         82046         N/A         N/A         N/A         N/A           VAXCG-21R         82047         N/A         N/A         N/A         N/A           VAXCG-21A         82048         N/A         N/A         N/A         N/A	VAXCG-11R	82042	111SINR-CM	N/A	N/A	N/A
VAXCG-11B         82044         111SINB-CM         N/A         N/A         N/A           VAXCG-21         82045         N/A         N/A         N/A         N/A           VAXCG-21G         82046         N/A         N/A         N/A         N/A           VAXCG-21R         82047         N/A         N/A         N/A         N/A           VAXCG-21A         82048         N/A         N/A         N/A         N/A						
VAXCG-21G         82046         N/A         N/A         N/A         N/A           VAXCG-21R         82047         N/A         N/A         N/A         N/A           VAXCG-21A         82048         N/A         N/A         N/A         N/A	VAXCG-11B		111SINB-CM	N/A	N/A	N/A
VAXCG-21G         82046         N/A         N/A         N/A         N/A           VAXCG-21R         82047         N/A         N/A         N/A         N/A           VAXCG-21A         82048         N/A         N/A         N/A         N/A	VAXCG-21	82045	N/A	N/A	N/A	N/A
VAXCG-21R 82047 N/A N/A N/A N/A N/A N/A N/A N/A N/A						
VAXCG-21A 82048 N/A N/A N/A N/A N/A						
VAXCG-21B 82049 N/A N/A N/A N/A N/A	VAXCG-21A	82048				N/A
	VAXCG-21B	82049	N/A	N/A	N/A	N/A









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