



■ Description

The EVCA-AP-S Strobe Series provides a wide range of candela light output options in a single device. The candela settings include a 12 or 24 volt DC operation for the 15, 35 and 60 (75 on axis) candela settings and 24 volt DC operation for the 15, 35, 60, 75, 95 and 110 candela settings. The candela setting is displayed through the front window and is selectable using a drum wheel.

The voltage input can be either regulated DC or full wave rectified (FWR) 12 volt or 24 volt operation with an operating range from 8 to 33 V DC. The strobes can be synchronized using a control panel with the an EVCA-AP-SMD10 sync module.

The EVCA-AP-S utilizes a universal mounting plate that will mount on a single gang, double gang, octagon and 4" square electrical boxes. The back plate allows the installer to mount the plate and connect the wire connections. The strobe attaches in a hinge fashion from the top and is secured by a single mounting screw. The strobe completely covers the mounting back plate, therefore it can be mounted before other trades work is completed and not affect the final look.

■ Engineering Specifications

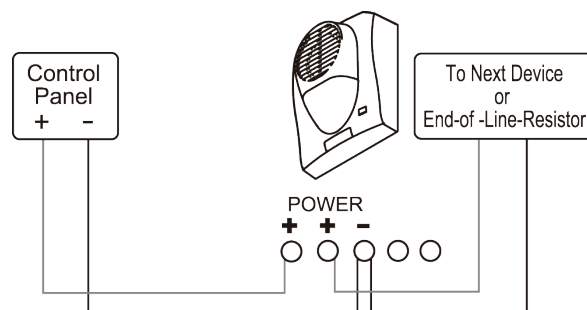
The installer shall provide and install the EVCA-AP-S selectable strobe. The strobe shall have six (6) candela settings. The candela settings shall be selectable using a drum roller and shall display the candela setting on the front of the device. The strobe shall operate at 12 or 24 VDC regulated or full wave rectified. The strobe shall have an operating range between 8 and 33 VDC.

■ Features

- UL listed
- 12 VDC with 15, 35 or 60 cd settings
- 24 VDC with 15, 35, 60, 75, 95 or 110 cd settings
- 6 distinct candela settings
- Candela selection view window
- Pre-wire back plate
- Universal back plate mounting (single gang, double gang, octagon, or 4" square)
- Single screw mounting
- For indoor applications

The strobes can be synchronized using a control panel with the EVCA-AP-SMD10 sync module. The strobe shall utilize a mounting plate that allows the installer to pre-wire the mounting plate. The mounting plate shall be universal and mount on a single gang, double gang, octagon or 4 inch square box. The mounting plate shall be completely covered by the strobe and shall be secured by a single screw. The strobe shall be UL listed to standard 1638, General Signaling, and standard 1971, Signaling Devices for the Hearing Impaired.

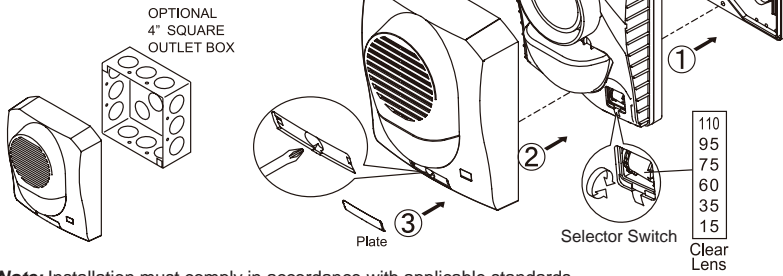
■ Wiring Diagram



Installation

CAUTION

A jumper plug is provided to test for correct wiring in the supervisory mode only. Do not pass alarm current through the jumper.



Note: Installation must comply in accordance with applicable standards.

WARNING

High voltage may be present inside the light assembly even though power is not connected. If access to the component board is required (removal or replacement), the capacitor must be discharged by touching a wire to both ends of the flash tube.

DO NOT attempt to touch or move the assembly until the capacitor has been discharged.

Specifications

Stroke Current

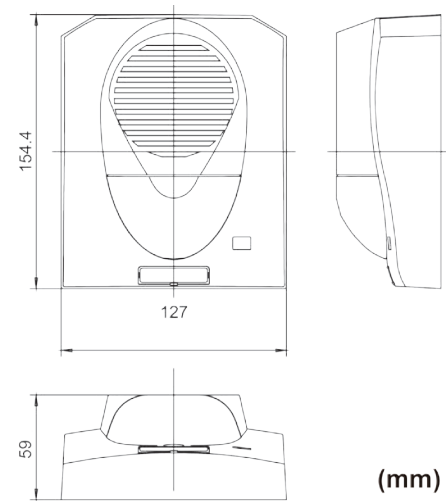
| Light Output | Max. RMS Operating Current (mA RMS) | | | |
|--------------|-------------------------------------|-------------|-------------|-------------|
| | Reg. 12 VDC | Reg. 12 FWR | Reg. 24 VDC | Reg. 24 FWR |
| 15cd | 116 | 152 | 62 | 99 |
| 35cd | 209 | 267 | 102 | 152 |
| 60cd | 254 | 258 | 131 | 190 |
| 75cd | NA | NA | 146 | 208 |
| 95cd | NA | NA | 177 | 243 |
| 110cd | NA | NA | 196 | 268 |

| | | |
|------------------------------------|-----------------------------|-------------------------|
| Voltage | 12/24V | |
| UL Designation | Regulated 12 DC/ FWR | Regulated 24 DC/ FWR |
| Operating Voltage Range | 8 - 17.5 V | 16 - 33 V |
| Flash Rate | 60 times/min. | |
| Sync Module (SDM-240) | N/A | Available |
| Operating Temperature Range | 0°C to 49°C (32°F to 120°F) | |

Ordering Information

| Model Number | Description |
|---------------|--------------------------|
| EVCA-AP-S | Wall Mount Strobe |
| EVCA-AP-SMD10 | Horn/Strobe Sync. Module |

Dimensions



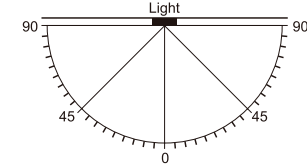
(mm)

Light Output

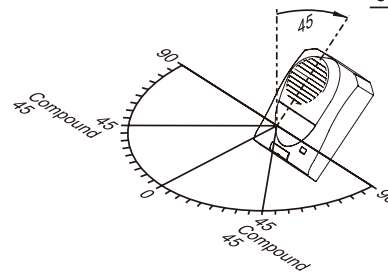
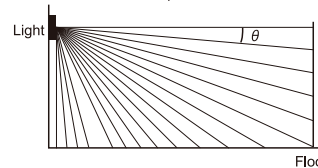
Light output in percentage when measured from the following directions per UL 1971.

Wall and ceiling mount horizontal dispersion

Ceiling mount vertical dispersion



Wall mount vertical dispersion



| Degrees | % of Rating | |
|---------|-------------|----------|
| | Horizontal | Vertical |
| 0 | 100 | 100 |
| 5-25 | 90 | 90 |
| 30 | 75 | 90 |
| 35 | 75 | 65 |
| 40 | 75 | 46 |
| 45 | 75 | 34 |
| 50 | 55 | 27 |
| 55 | 45 | 22 |
| 60 | 40 | 18 |
| 65 | 35 | 16 |
| 70 | 35 | 15 |
| 75 | 30 | 13 |
| 80 | 30 | 12 |
| 85-90 | 25 | 12 |

All specifications are subject to change without any notice.
For more information, contact with NITTAN.

NITTAN

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