

## AA SERIES PHOTOCONTROL

### THERMAL, BUTTON STYLE, WIRE - IN DESIGN

#### KEY FEATURES

- 3/4in long threaded nipple
- 30 - 45 second time delay
- UL and CSA Listed
- Durable polycarbonate housing
- 1800 and 1200 watt load rating
- Fail mode is ON

TE Connectivity's (TE) AA Series offers a unique button style design for internal post fixtures or mounting applications. Common uses include decorative light fixtures, post lanterns, wall mount applications, and other commercial and residential uses. TE's innovative design with the wire leads exiting from the rear allow the control to be placed in tight locations while positioning the wiring for easy access.

The AA Series photocontrol is constructed of a high impact UV stabilized polycarbonate housing for superior quality. The 105W and 1068W controls include a brushed aluminum wall plate for installation in standard outlet boxes.

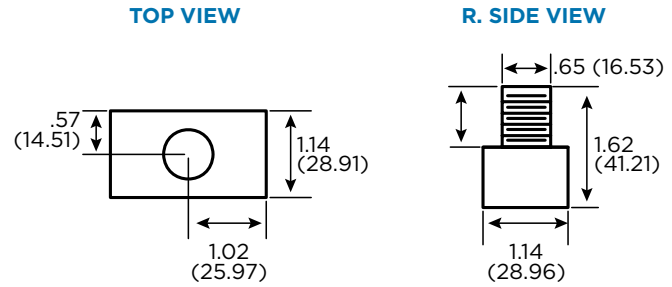
The 105M and 1068M are equipped with a 180 Joule Metal Oxide Varistor (MOV) and are designed to protect luminaries where transient voltage surges are a frequent and recurring problem.

The 105HA is a high ambient temperature photocontrol, designed specifically to last longer in today's hotter running HID luminaries. This unit incorporates insulation and heat sink to absorb the heat generated by the lamp and other components, significantly adding to the control's useful life.

**Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.**



TE's photocontrols can be used to safely control luminaries with incandescent, HID, LED, or compact fluorescent lamps.



Dimensions shown in inches (mm)

| PRODUCT SELECTION INFORMATION |                     |             |               |                              |                          |                           |              |              |
|-------------------------------|---------------------|-------------|---------------|------------------------------|--------------------------|---------------------------|--------------|--------------|
| Description                   | Product Information | Rated Volts | Range (Volts) | Load Rating Tungsten (Watts) | Load Rating Ballast (VA) | Surge Protection (Joules) | Turn ON (Fc) | OFF/ON Ratio |
| AA-105                        |                     | 120         | 105 - 130     | 1800                         | 1100                     |                           | 1.5          | 4 : 1        |
| AA-105W                       | w/Wall Plate        | 120         | 105 - 130     | 1800                         | 1100                     |                           | 1.5          | 4 : 1        |
| AA-1068                       |                     | 208/240/277 | 185 - 305     | 1200                         | 1100                     |                           | 1.5          | 4 : 1        |
| AA-1068W                      | w/Wall Plate        | 208/240/277 | 185 - 305     | 1200                         | 1100                     |                           | 1.5          | 4 : 1        |
| AA-305                        |                     | 120         | 105 - 130     | 300                          | 840                      |                           | 1.5          | 4 : 1        |
| AA-105M                       | 15" Leads           | 120         | 105 - 130     | 1800                         | 1100                     | 180                       | 1.5          | 4 : 1        |
| AA-1068M                      | 15" Leads           | 208/240/277 | 185 - 305     | 1200                         | 1100                     | 180                       | 1.5          | 4 : 1        |
| AA-105HA                      | High Ambient        | 120         | 105 - 130     | 1800                         | 1100                     |                           | 1.5          | 4 : 1        |

Note: 6" lead wires unless otherwise noted

| SPECIFICATION |  |
|---------------|--|
| Physical      | Dimensions: approx. 2.05" [51.94mm] dia. x 1.62" [41.21mm] high (Not including wiring) |
|               | Enclosure: designed to meet ANSI C136.24, UL 773A                                      |
|               | Power consumption: less than 0.9 watts at 120 VAC                                      |
| Temperature   | Minus 40°C to plus 65°C at 96% RH  |
| Control       | Thermal State Switch Type  |
| Light Sensor  | Cadmium Sulfide Cell   |

| TECHNICAL INFORMATION |  |
|-----------------------|--|
| Switch                | SPST thermal bi-metallic, exceeds 7,500 ON/OFF operations  |
| Fail Mode             | ON (contacts normally closed)  |
| Housing               | Polycarbonate with UV stabilized window  |
| Lead Wires            | 6", #18 AWG, rated 105°C (AA controls)<br>15", #18 AWG, rated 105°C (AA-M controls)<br>6", #18 AWG, rated 150°C (AA-HA controls) |
| Nipple                | 3/8" pipe  |
| Nut                   | 3/8" pipe, thermoplastic   |
| Light Sensor          | 1/2" Cadmium sulfide (Cds) cell  |



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