

# LUMAWISE ALR AA SERIES

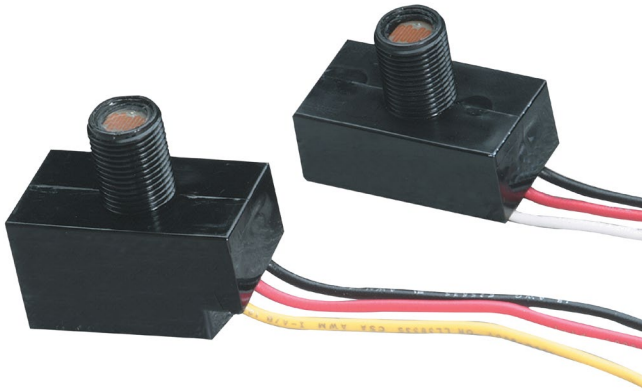
## PHOTOCONTROL

TE Connectivity's (TE) LUMAWISE ALR-AA Series offers a unique button style, thermal design photocontrol for mounting internal to a light post. The button style, wire-in design also brings an easy photocontrol solution to wall or ground mounted luminaires. 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 allows the control to be placed in tight locations while positioning the wiring for easy access.

The LUMAWISE ALR-AA Series photocontrol is constructed of a high impact, UV stabilized polycarbonate housing offering a superior quality lighting control device for outdoor lighting.

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

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



THE LUMAWISE ALR AA SERIES IS THE RESULT OF OVER FIFTY YEARS OF EXPERIENCE DESIGNING AND DELIVERING HIGHLY-RATED PHOTOCONTROLS AND OTHER LIGHTING ACCESSORIES AROUND THE WORLD.

### FEATURES:

- Thermal switching technology
- 3/4 inch threaded nipple
- 30 - 45 second time delay
- Durable polycarbonate housing
- 1800 watt and 1200 VA load rating
- Fail ON

### APPLICATIONS:

- Decorative lighting fixtures
- Post lanterns
- Wall mounted fixtures
- Flood lamps
- Other commercial and residential lighting applications

# LUMAWISE ALR AA SERIES

## PHOTOCONTROL

### ELECTRICAL:

- **Power consumption:** Less than 0.9 watts at 120 VAC

### MATERIAL:

- **Housing:** Polycarbonate with UV stabilized window

### SPECIFICATIONS:

- ANSI C136.24
- UL 7773A
- UL & CSA listed

### MECHANICAL:

- **Operating temperature rating:** -40° C to +65° C at 96% RH
- **Control:** Thermal state switch type
- **Light sensor:** 1/2" cadmium sulfide (Cds) cell
- **Fail mode:** ON (contacts normally closed)
- **Switch:** SPST thermal bi-metallic, exceeds 7,500 ON/OFF operations
- **Nipple:** 3/8" pipe
- **Nut:** 3/8" thermoplastic
- **Lead wires:** 6" (152.4mm), #18 AWG, rated 105° C (AA controls); 15" (381mm), #18 rated 105° C (AA-M controls); 6" #18 (152.4mm), 18 AWG rated 150° C (AA-HA controls)
- **Dimensions:** Approx. 51.94mm dia. X 41.21mm high (not including wiring)

### PRODUCT SELECTION INFORMATION

| Descriptive PN | Part Number                | Product Information | Rated Volts | Range (Volts) | Load Rating Tungsten (Watts) | Load Rating (Ballast VA) | Surge Protection (Joules) | Turn ON (Fc) | OFF/ON Ratio |
|----------------|----------------------------|---------------------|-------------|---------------|------------------------------|--------------------------|---------------------------|--------------|--------------|
| ALR-AA-105     | <a href="#">499268-000</a> | 6" Leads            | 120         | 105-130       | 1800                         | 1100                     | -                         | 1.5          | 4:1          |
| ALR-AA-1068    | <a href="#">131520-000</a> | 6" Leads            | 208/240/277 | 185-305       | 1200                         | 1100                     | -                         | 1.5          | 4:1          |
| ALR-AA-105M    | <a href="#">595188-000</a> | 15" Leads           | 120         | 105-130       | 1800                         | 1100                     | 180                       | 1.5          | 4:1          |
| ALR-AA-1068M   | <a href="#">584026-000</a> | 15" Leads           | 208/240/277 | 185-305       | 1200                         | 1100                     | 180                       | 1.5          | 4:1          |
| ALR-AA-305     | <a href="#">D20907-000</a> | 6" Leads            | 120         | 105-130       | 300                          | 840                      | -                         | 1.5          | 4:1          |
| ALR-AA-105HA   | <a href="#">301392-000</a> | High Ambient        | 120         | 105-130       | 1800                         | 1100                     | -                         | 1.5          | 4:1          |

te.com

© 2021 TE Connectivity. All Rights Reserved.

LUMAWISE, TE Connectivity, TE connectivity (logo) and Every Connection Counts are trademarks owned or licensed by TE Connectivity. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

05/21 AK