LUMAWISE ALR AA SERIES

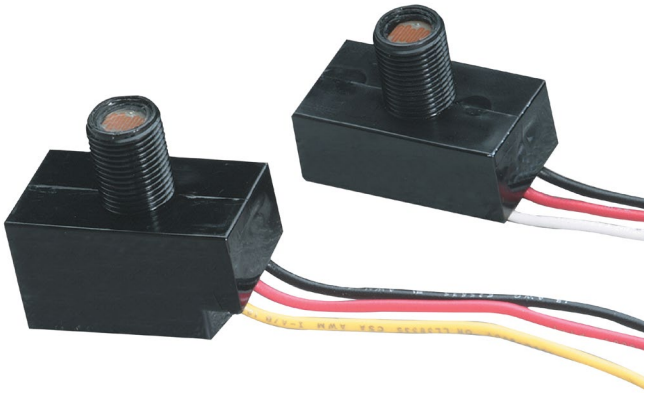
PHOTOCONTROL

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

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" #(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	499268-000	6" Leads	120	105 130	1800	1100	-	1.5	4:1
ALR-AA-1068	131520-000	6" Leads	208/240/277	185-305	1200	1100	-	1.5	4:1
ALR-AA-105M	595188-000	15" Leads	120	105-130	1800	1100	180	1.5	4:1
ALR-AA-1068M	584026-000	15" Leads	208/240/277	185-305	1200	1100	180	1.5	4:1
ALR-AA-305	D20907-000	6" Leads	120	105-130	300	840	-	1.5	4:1
ALR-AA-105HA	301392-000	High Ambient	120	105-130	1800	1100	-	1.5	4:1

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