

Lighting Controllers - 4-Channel 0-10 V Lighting Controller

Item ALC4-R



PRODUCT DESCRIPTION

The ALC4-R lighting controller is a four-channel 0-10 V dimming controller designed to work with ARISTA® Lighting Control System by Intermatic. These units can work with either 0-10 V or 1-10 V lighting fixtures, including LED's. Once installed, the ALC4-R unit(s) can be configured to work off of either scheduling, sensing, or a combination of both, providing maximum energy efficiency as well as occupant comfort. These units can be configured for either wireless or wired communications, and utilize Bluetooth Mesh technologies for wireless communications. Pricing is available upon request.

FEATURES

- ▶ Wired or wireless communications.
- ▶ Provides 24 VDC for wired devices.
- ▶ Utilizes a secure bluetooth mesh for connectivity.
- ▶ Built-in real time clock for keeping timing accuracy.
- ▶ Allows for 2 wired analog inputs.
- ▶ Allows for 4 wired digital inputs.
- ▶ Works with 0-10 V or 1-10 V luminaires.
- ▶ 365-Day scheduling including holidays.
- ▶ Programmable blink warning alert.
- ▶ Programmable light levels.

APPLICATIONS

- ▶ Indoor Lighting Control
- ▶ Timing/Scheduling ON/OFF
- ▶ Dimming

TECHNICAL DATA

| General | |
|--------------------------------|---|
| Model Number | ALC4-R |
| Description | 4-Channel 0-10 V Lighting Controller |
| UPC Code | 078275150799 |
| Brand | Intermatic |
| Warranty Period | 5-Year limited |
| Country of Origin (Intermatic) | THAILAND |
| Control Specifications | |
| Operation Features | Holiday; Astronomic; Daylight Saving Time; Countdown |
| Operation Mode | 365 day; Countdown |
| Data Transfer Options | Bluetooth |
| Daylight Savings Adjustment | Automatic |
| Backup Type | Supercapacitor |
| Backup Protection Time | 100 Hours |
| On/Off Operations per Channel | 256 |
| Application Compatibilities | LED |
| Function type | Dimming; Remote Controllable; Scheduled Dimming; Scheduled ON/OFF |
| Mechanical Specifications | |
| Plenum Rated | Yes |
| Mount Type | Surface |

Dimensions

| | |
|---------------------|--------|
| Product Height (in) | 8.25 |
| Product Height (mm) | 209.55 |
| Product Width (in) | 8.25 |
| Product Width (mm) | 209.55 |
| Product Depth (in) | 3 |
| Product Depth (mm) | 76.2 |

Material Specifications

| | |
|----------|---------|
| Color | White |
| Material | Plastic |

Communication Method

| | |
|--------------|-----------------|
| Radio signal | Bluetooth |
| Low Voltage | Analog; Digital |

Load Ratings

| | |
|--|--------------------|
| Electronic Ballast LED | 16 A |
| Magnetic Ballast Range(s) | 16 A, 120-277, VAC |
| Tungsten Range(s) | 12.5 A, 277 VAC |
| General Purpose | 20 A, 120-277, VAC |
| Electronic Ballast Load Ratings Ranges | 16 A, 120-277 VAC |
| Tungsten Load Ratings | 12.5 A |
| Resistive Load Ratings Ranges | 20 A, 120-277 VAC |

Electrical Specifications

| | |
|-----------------------------|----------------------|
| Voltage Selection Type | Auto-Voltage 120-277 |
| Input Voltage Range(s) | 120-277 VAC, 60 Hz |
| Switch Type | 4xSPST |
| Neutral Connection Required | Yes |
| Wiring Options Line Voltage | Pigtails |
| Wiring Options Low Voltage | Pigtails; Terminals |
| Hz | 60 |

Power Connection

| | |
|-----------------|-----------------|
| External inputs | Analog; Digital |
|-----------------|-----------------|

Display and Format

| | |
|------------------|-----|
| Status Indicator | LED |
|------------------|-----|

Packaging

| | |
|-----------------------|-------|
| Shipping Weight (lbs) | 5.6 |
| Shipping Weight (kg) | 2.54 |
| Product Weight (lbs) | 4.5 |
| Product Weight (kg) | 2.041 |

Operating Specifications



| | |
|----------------------|------------|
| Programming Targets | Smartphone |
| Tampering protection | Yes |

Environmental Specifications

| | |
|-------------------------|-------------|
| Temperature (operation) | 32°F..131°F |
| Temperature (operation) | 0°C..55°C |
| Usage Environments | Indoor |

Standards and Certifications

| | |
|--|---|
| UL Certification | cULus |
| Other Certifications and Compatibilities | ASHRAE 90.1 2016; IECC 2018; Green Energy + |
| California Proposition 65 | None |
| RoHS Certification | Y |