

## Lighting Controllers - 2-Channel 0-10 V Lighting Controller

Item ALC2-R



### PRODUCT DESCRIPTION

The ALC2-R lighting controller is a two-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 ALC2-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 1 wired analog Input.
- ▶ Allows for 2 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	ALC2-R
Description	2-Channel 0-10 V Lighting Controller
UPC Code	078275150782
Brand	Intermatic
Warranty Period	5-Year limited
Country of Origin (Intermatic)	CHINA

#### 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, per channel
Tungsten Range(s)	12.5 A, 277 VAC
Tungsten Load Ratings	12.5 A
Magnetic Ballast (NO) Range(s)	16 A, 120-277 VAC
Electronic Ballast Load Ratings NO Ranges	16 A, 120-277 VAC
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	2xSPST
Neutral Connection Required	Yes
Wiring Options Line Voltage	Pigtails
Wiring Options Low Voltage	Pigtails; Terminals
Hz	60

### Power Connection

External inputs	Analog; Digital
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### Display and Format

Status Indicator	LED
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### Packaging

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

### Operating Specifications

Programming Targets	Smartphone
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Tampering protection	Yes
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**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