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
Magnetic Ballast (NO) Range(s)	16 A, 120-277 VAC
Electronic Ballast (NO) Range(s)	16 A, 120-277 VAC
Tungsten Incandescent (NO) Range(s)	12.5 A, 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

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