

Lighting Controllers - 1-Channel 0-10 V Lighting Controller

Item ALC1-R



PRODUCT DESCRIPTION

The ALC1-R lighting controller is a single-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 ALC1-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

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

TECHNICAL DATA

General	
Model Number	ALC1-R
Description	1-Channel 0-10 V Lighting Controller
UPC Code	078275150683
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	Box; Fixture

Dimensions

Product Height (in)	5.03
Product Height (mm)	127.762
Product Width (in)	4.19
Product Width (mm)	106.426
Product Depth (in)	1.95
Product Depth (mm)	49.53

Material Specifications

Color	White
Material	Plastic

Communication Method

Radio signal	Bluetooth
Low Voltage	Analog; Digital

Load Ratings

Electronic Ballast LED	10 A
Magnetic Ballast Range(s)	10 A, 120-277 VAC
Tungsten Range(s)	12.5 A, 277 VAC
Electronic Ballast Load Ratings Ranges	10 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, 50/60 Hz
Switch Type	SPST
Neutral Connection Required	Yes
Wiring Options Line Voltage	Pigtails
Wiring Options Low Voltage	Pigtails; Terminals
Hz	50/60

Power Connection

External inputs	Analog; Digital
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Display and Format

Status Indicator	LED
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Packaging

Shipping Weight (lbs)	0.5
Shipping Weight (kg)	0.227
Product Weight (lbs)	0.65
Product Weight (kg)	0.294

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	Lead; DEHP
RoHS Certification	Y