

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)	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

Mount Type	Surface
Plenum Rated	Yes

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

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
Resistive Load Ratings Ranges	20 A, 120-277 VAC
Electronic Ballast LED	16 A
Tungsten Load Ratings	12.5 A

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

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 (kg)	2.041
Product Weight (lbs)	4.5

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



Simple Installation, Limitless Applications

Improve occupant comfort and boost energy efficiency with the **ARISTA™ Lighting Control System**. The customizable smart system helps building owners create dynamic, code-compliant indoor environments that optimize natural light and support business needs.



Easy Setup

ARISTA is quick to set up and easily scalable. The system is powered by a suite of modular components, including occupancy sensors, daylight harvesting sensors, in-wall dimmers and room controllers, which can be either hardwired or wirelessly installed for communication via a Bluetooth mesh network.

Robust Control

Set lighting schedules, monitor daylight levels and reduce energy waste while still allowing for manual control in indoor environments 10,000 ft² and under.

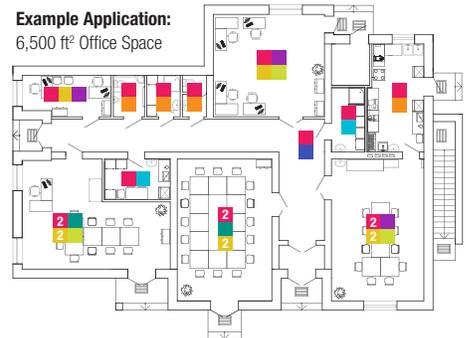
Applications:

- Restaurants
- Municipal buildings
- Offices
- Schools
- Retail

Contact your local Intermatic representative to be the first to demo the new ARISTA Lighting Control System.

Intermatic.com/ARISTA

Example Application:
6,500 ft² Office Space



Description	Color Code	Qty.
Controller (ALC1-R)	Yellow	15
In-Wall Dimmer (ALC-IWD)	Red	8
Dual Tech In-Wall Sensor (ALC-DT-BT-WH)	Orange	4
Dual Tech Ceiling Sensor (ALC-CMP-BT)	Purple	3
Daylight Harvester (ALC-DH-BT)	Green	3
In-Wall PIR Sensor (ALC-PI-BT-WH)	Blue	2
Ceiling Mount Dual Tech Ceiling Sensor (ALC-CMP-DT-BT)	Teal	2
Wall/Corner Mount Dual Tech Sensor (ALC-WM-DT-BT)	Dark Blue	1