ARISTA®

Advanced Lighting Control System

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Simple, Connected, Contractor-Friendly

Take the hassle out of commercial lighting installations with the contractor-focused **ARISTA®** Advanced Lighting Control System from Intermatic.

Introducing the expanded ARISTA portfolio, a customizable smart lighting control solution for commercial and municipal buildings. The simple wireless system empowers installers of all technology backgrounds to integrate dynamic code-compliant lighting control in a wide range of applications.

ARISTA®

Simple, Adaptable Components

A suite of modular components makes it easy to install and configure ARISTA in a wide range of commercial applications. Bluetooth wireless communication and optional battery-powered sensors help speed up installations by reducing wiring needs.
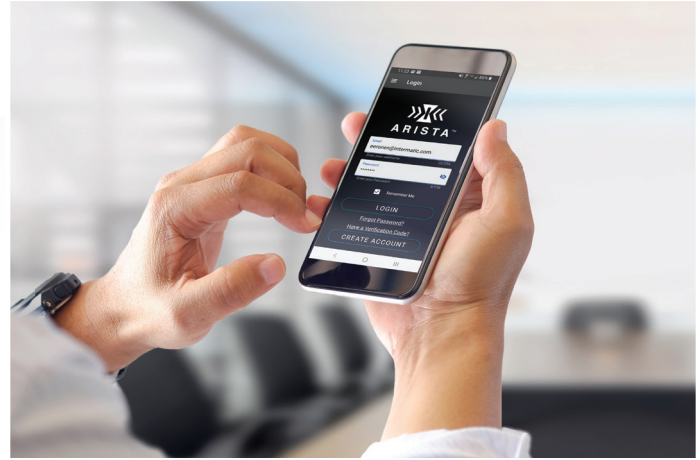
Easy Smartphone Setup

Use the ARISTA app to breeze through installation and manage settings once setup is complete. Permission new users to share access and control based on occupant, facility manager or inspector needs. (Available for Apple iOS and Android devices.)

Built-in "wink" feature helps installers identify components on the fly

Commission with Ease

Quickly identify components and adjust system settings in real-time using the ARISTA app. Contractors may also view multiple sites/projects from a single smartphone to streamline work.

Contact your local Intermatic representative today to bring the ARISTA Smart Lighting Control to your next commercial project.

Tailored to Meet Your Needs

A versatile suite of controllers and sensors makes it easy for specifiers to customize the ARISTA® Advanced Lighting Control System to meet project requirements. This modular design allows for seamless expansion and customization as new needs arise.

Controllers

The "brain" of the ARISTA system, the Room Controller connects to the primary load, has wired or wireless inputs, drives schedules using a real-time clock, has adjustable light level settings, all accessible through the smartphone app via Bluetooth mesh technology. Our expanded line now includes a phase dimmer (ALC1-P), which can be used with sconces and track lighting for added flexibility.
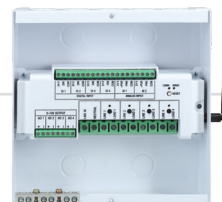
ALC1-R   **ALC2-R**   **ALC4-R**   **ALC1-P**

Programmable Switches

ARISTA In-Wall Controls give occupants manual control of select features, including ON/OFF, dimming, and countdown timers. All in-wall controls also allow for scene selection, which allows users to toggle between preset lighting configurations. Due to their wireless design, these switches can be used in single-pole, 3-way, or multi-way applications.

ALC-IWD   **ALC-2B-BT**   **ALC-4B-BT**

Daylight Harvester

Our Daylight Harvesting Sensors help building managers make the most of natural light while promoting occupant comfort and energy efficiency.

ALC-DH-BT

Occupancy and Vacancy Presence Sensors

Convenient and energy efficient, Presence Sensors reduce energy costs by ensuring lights are on only when a space is occupied. They can configured for automatic or manual ON operation, then turn OFF automatically.

In-Wall Sensors

ALC-PI-BT-WH   **ALC-DT-BT-WH**

Wall-Mount Sensors

ALC-WM-BT   **ALC-WM-DT-BT**

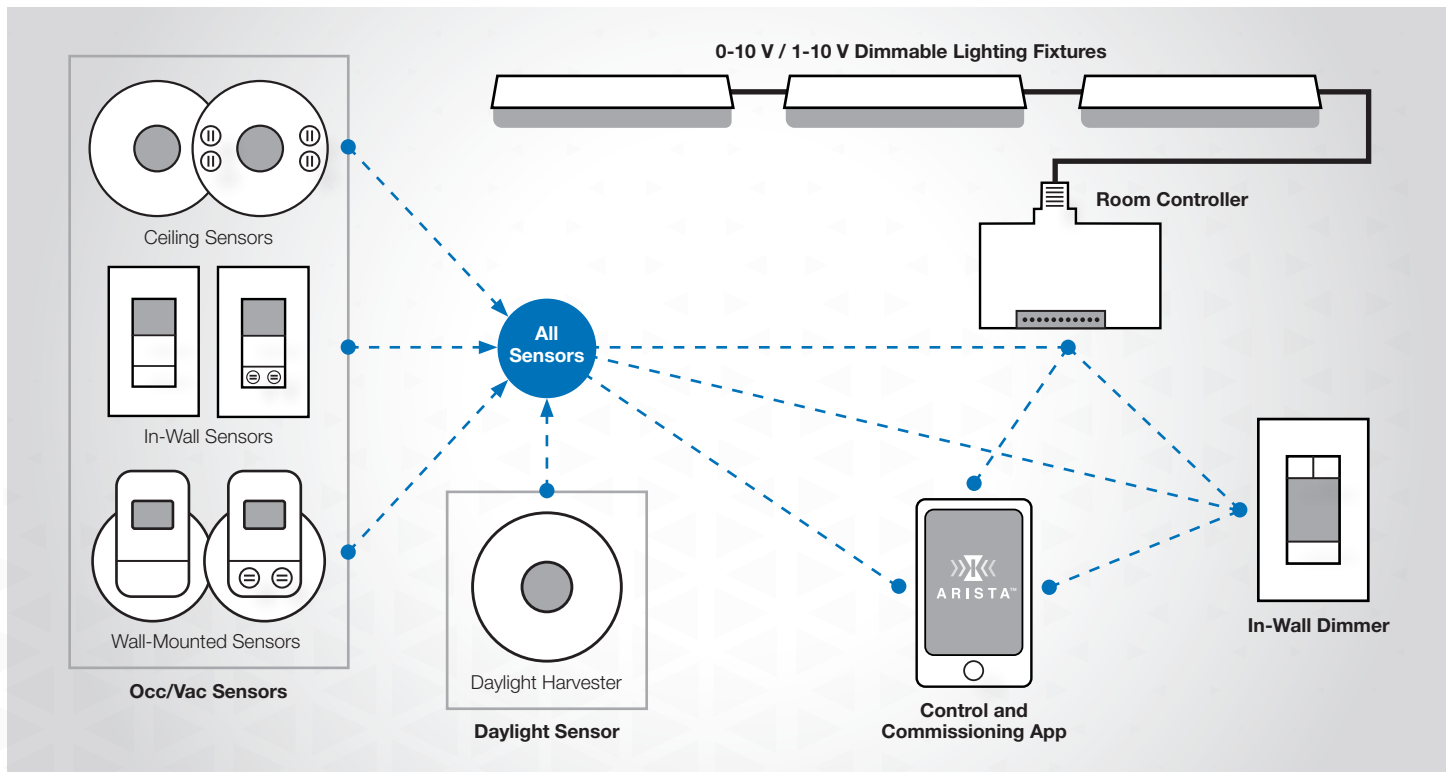### Ceiling Sensors

ALC-CMP-BT   **ALC-CMP-DT-BT**

Safe and Secure Networking

ARISTA uses a secure Bluetooth mesh protocol that allows components to communicate without the need for a traditional local area network. Every device transmission is protected by three 128-bit encrypted security keys.

Each Bluetooth enabled component is its own wireless node for sending, receiving and sharing control commands through a wireless mesh network. Expandability is easy with each device passing information to the next thus expanding the reach and control throughout the network.

System Diagram - Bluetooth 5.0 Mesh Network

0-10 V / 1-10 V Dimmable Lighting Fixtures

Room Controller

Ceiling Sensors

In-Wall Sensors

Wall-Mounted Sensors

Occ/Vac Sensors

All Sensors

Daylight Harvester

Daylight Sensor

ARISTA

Control and Commissioning App

In-Wall Dimmer

Code Compliance

ARISTA may be used to meet current energy codes (ASHRAE 90.1, IECC, Title 24)

ARISTA meets the requirements of all major energy codes and has a variety of versatile components that make energy code compliance easy. Once the devices are selected, installed and commissioned compliance can be achieved by programming the devices through the ARISTA app according to your local energy codes.

Built for Projects Big and Small

Bring smart control and energy efficiency to applications ranging from schools and hospitals to office buildings and retail spaces.

Example: Classroom

Application Notes

- 1,200 ft^2 classroom operates 5-day schedule with occasional holiday closures, alternate dismissal times and seasonal breaks
- 3 controllable zones: Daylight, secondary and Non DH
- Large windows provide natural light to main zone most mornings; secondary zone requires consistent supplemental light during all hours of operation
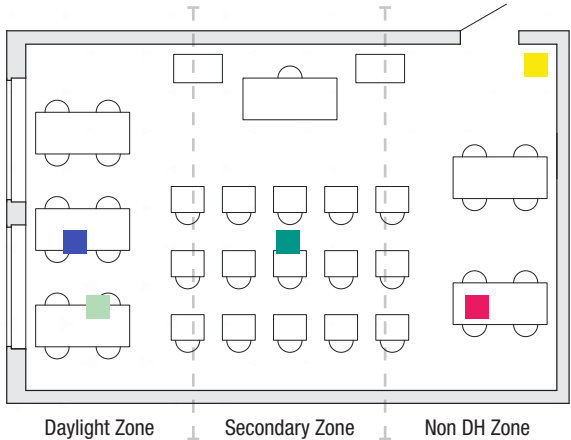
Daylight Zone | Secondary Zone | Non DH Zone

Description	Color Code	Qty.
Controller (ALC1-R)	🟥	1
Controller (ALC2-R)	🟩	1
4-Button In-Wall (ALC-4B-BT)	🟨	1
Dual-Tech Ceiling Sensor (ALC-CMP-DT-BT)	🟩	1
Daylight Harvester (ALC-DH-BT)	🟦	1

Example: Retail

Application Notes

- 2,500 ft^2 retail space operates 7-day schedule with occasional holiday hours, closures
- Occupancy sensors installed in fitting rooms, restroom and supply closet
- Limited natural light requires entire space to be supported with supplemental lighting
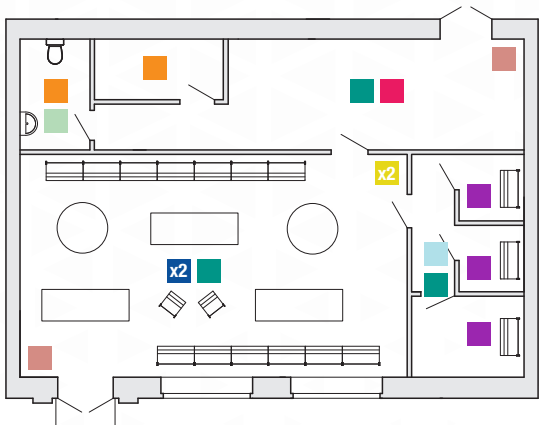
Description	Color Code	Qty.
Controller (ALC1-R)	🟥	1
Controller (ALC2-R)	🟩	2
Controller (ALC4-R)	🟦	1
Controller (ALC1-P)	🟦	2
In-Wall Dimmer (ALC-IWD)	🟨	2
2-Button In-Wall (ALC-2B-BT)	🟥	2
PIR In-Wall Sensor (ALC-PI-BT)	🟧	2
PIR Ceiling Sensor (ALC-CMP-BT)	🟪	3
Dual-Tech Ceiling Sensor (ALC-CMP-DT-BT)	🟩	3

Benefits for Occupants and Owners

From managing tenant turnover to fine-tuning preferences for extra comfort, ARISTA delivers lasting benefits to building owners, facilities managers and occupants alike.

An Easy Handoff

Once fully installed, ARISTA allows building managers to add new users via the mobile app and set permissions for the zones and settings each individual occupant can adjust. An LCD on the In-Wall Dimmer allows all occupants to view current settings and temporarily adjust light levels while staying within defined system parameters.

Designed for The Long Haul

ARISTA's modular design allows building owners to add, remove or reconfigure components at any time. This flexibility offers great long-term value as tenants turn over in commercial spaces and lighting needs shift.

Additional Product Details

- Controllers are line powered for long-term reliability and performance
- PIR and Daylight Harvester Ceiling Sensors can be wired or battery-powered to reduce installation costs and streamline setup
- Ceiling mounted sensors have three mounting options (spring mount, surface mount, flush mount) for added flexibility during installation
- ARISTA implementations can range from a few components to several hundred controllers and sensors
- All ARISTA components include a limited 5-year warranty

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Controllers

	Room Controllers			
Model #	**ALC1-P**	**ALC1-R**	**ALC2-R**	**ALC4-R**
Function	Dimming; Remote Controllable; Scheduled Dimming; Scheduled ON/OFF			
Operation/Features	Holiday; Astronomic; Daylight Saving Time; Countdown			
Fixture Control	Dimmable lighting fixtures	0-10 V / 1-10 V Dimmable lighting fixtures		
Communication	Bluetooth/Wired			
Operating Voltage	120-277 VAC, 60 Hz			

Occupancy and Vacancy Presence Sensors

	In-Wall Sensors		**Wall-Mount Sensors**		**Ceiling Sensors**	
Model #	**ALC-PI-BT-WH**	**ALC-DT-BT-WH**	**ALC-WM-BT**	**ALC-WM-DT-BT**	**ALC-CMP-BT**	**ALC-CMP-DT-BT**
Function	Occupancy; Scheduled ON/OFF; Vacancy					
Sensor Type	PIR	Dual-Tech	PIR	Dual-Tech	PIR	Dual-Tech
Coverage Area	1200 sq. ft^2					1300 sq. ft^2
Communication	Bluetooth		Bluetooth/Wired			
Operating Voltage	120-277 VAC, 60 Hz		3 V Battery, 24 VDC	24 VDC	3 V Battery, 24 VDC	24 VDC

Programmable Switches

	In-Wall Dimmer	**2-Button In-Wall**	**4-Button In-Wall**
Model #	**ALC-IWD**	**ALC-2B-BT**	**ALC-4B-BT**
Function	Dimming; ON/OFF		
Operation/Features	Works with all ARISTA controllers (1 to multiple units)		
Fixture Control	-		
Communication	Bluetooth		
Operating Voltage	120-277 VAC, 60 Hz	24 VDC / Battery (CR2032)	

Daylight Harvesting Sensor

	Daylight Harvester
Model #	**ALC-DH-BT**
Function	Open or Closed Loop Ambient Light Level Detection
Sensor Type	Daylight
Light Ranges	.1 - 30, 3 - 300, 30 - 3000 fc
Communication	Bluetooth
Operating Voltage	3 V Battery, 24 VDC

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