Load:Logic®
Room Controller

Hubbell
Room C

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Load:Logic® Controller

Distributed Intelligence

- The Load:Logic® Room Controller is a microprocessor based unit that interfaces with sensing devices, such as occupancy sensors and photocells, smart switches, dimmers and load control receptacles by means of RJ45 connections.

- The controller optimizes a full range of control functions such as switching, daylight harvesting, and dimming required in an occupied space.

Flexible Control

- The controller intelligently recognizes connected devices and assigns the most energy efficient operation mode.

- The Load:Logic Room Controller can be installed individually or in combination with other room controllers.

- Contains two independently controlled relays.

- A dimming version featuring two 0-10V channels for a full range of control is also available.

Easy to Use

- Integrates automatic and manual control of lighting with the simplicity of plug-in installation.

- The controller's intelligent RJ45 ports reduce wiring errors and provide auto-configuration of sensors and switches.

Increase Control

- Comprehensive configuration of functions through Bluetooth® technology and a free app available for Android® and iOS® devices.

- The controller automatically identifies devices as they are connected, and only shows connected devices for configuration.

- Foundation of a self-contained, scalable system delivers everything required for efficient control of a space.

Meet Energy Efficiency Standards
Easy selection of controllers with preconfigured operational modes in accordance with the latest energy codes and standards.

Create Your Own Atmosphere
Includes options to enhance your personal experience with dimmers, preset light levels, customized light output, daylight harvesting, and more.

Manual Control
Addressable Smart Switches that require no configuration out of the box, yet can be configured easily to your requirements.
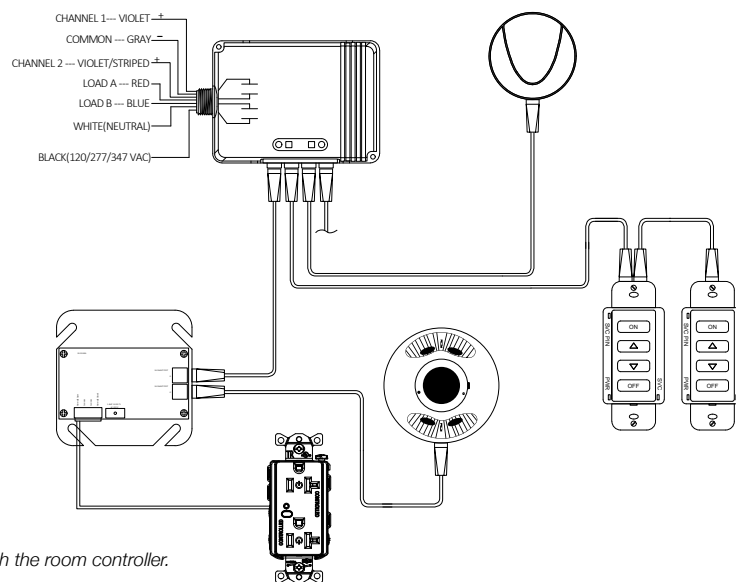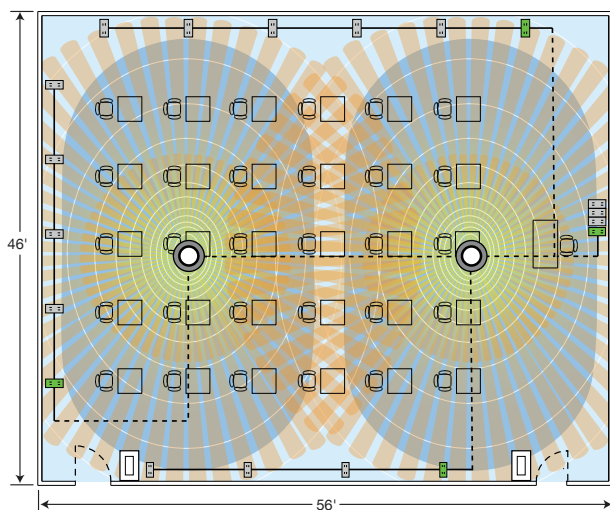
Effortless Experience Customization
The Load:Logic Room Controller NX App features a point-and-drop user interface, as found in today's iOS and Android devices. Only connected devices are shown for configuration.

Basic System Configuration
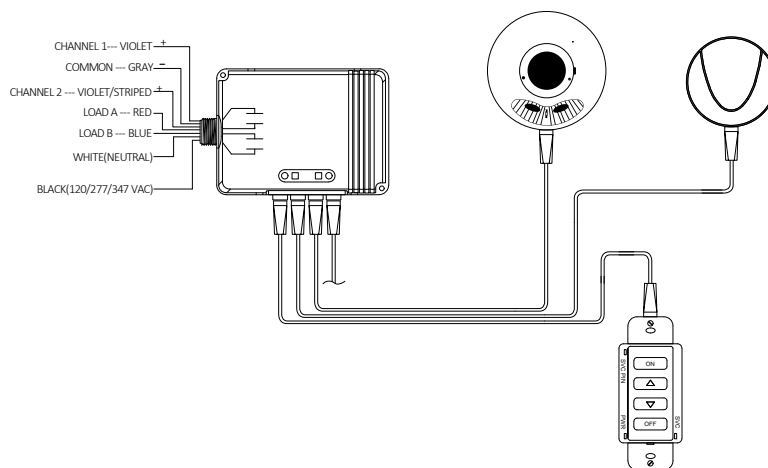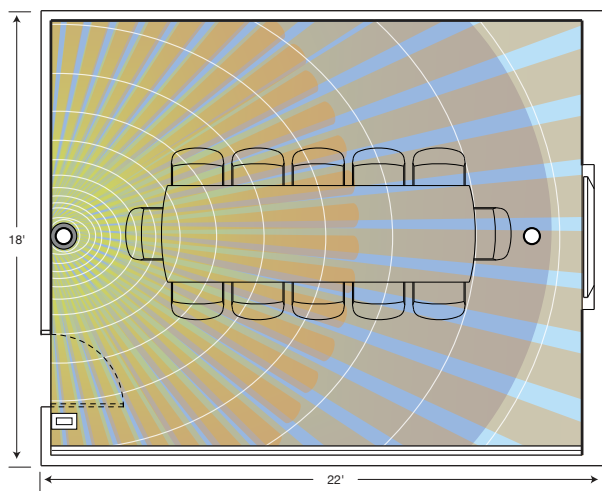
Classroom or Office with Automatic Receptacle Control

Note: Some devices require HBLRJ45A10 and/or BR241444 adapters to interface with the room controller. See ordering information for more details.

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Flexibility

Smart devices provide manual control and simple integration with external systems, such as HVAC and AV.

Beyond Lighting Control

Hubbell Wiring Device-Kellems' comprehensive offering of Automatic Receptacle Control, wireless devices and HVAC and AV integration solutions complete the Load:Logic Room Controller system.

Open Space with 2 Lighting Circuits and ARC
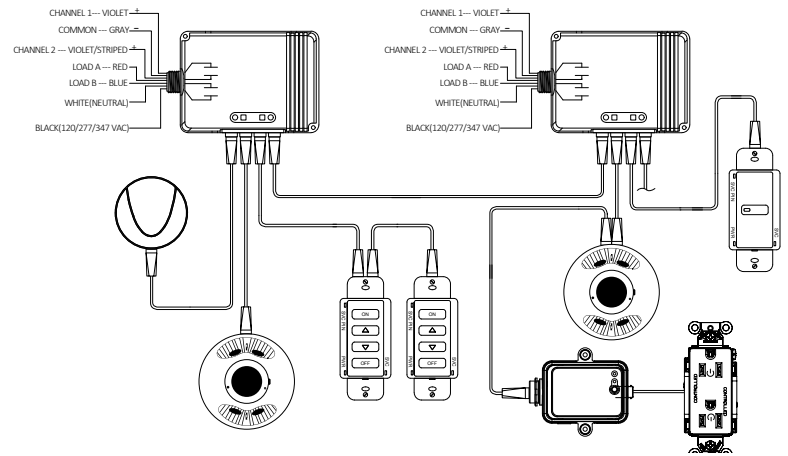
Computer Lab with 2 Lighting Circuits and Wireless ARC
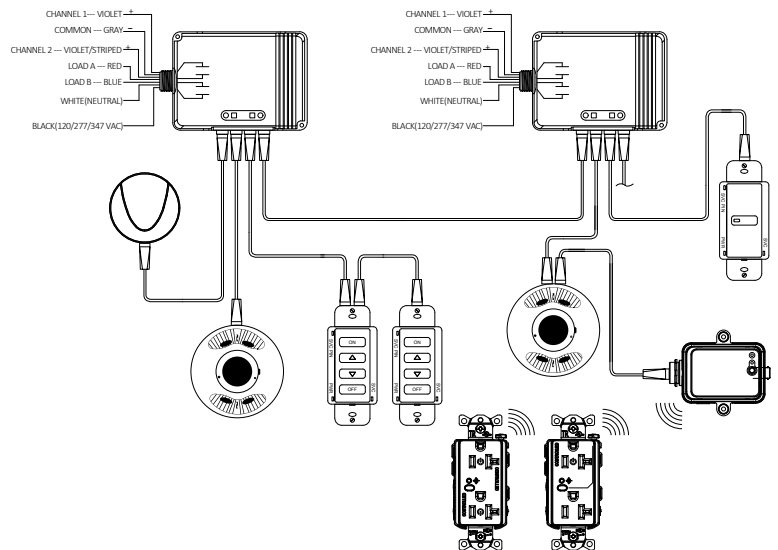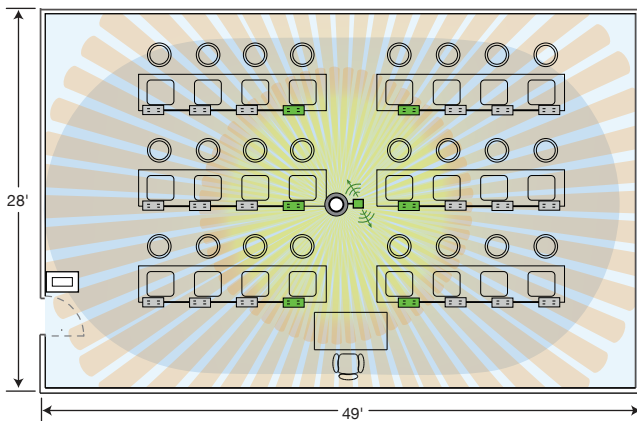
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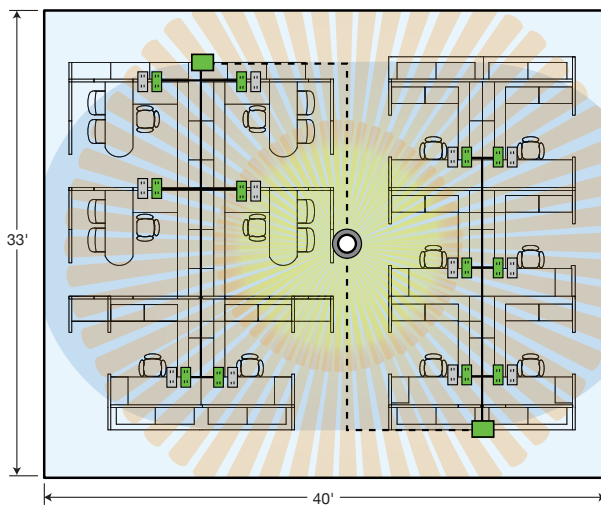
Ordering Information

Selecting Load:Logic - Easy as 1, 2, 3

1 Select the room controller
2 Select the appropriate sensors
3 Select the required smart switch
4 Select a wired or wireless switched receptacle for Automatic Receptacle Control, if required
5 Select desired interface cards (output to HVAC, wireless output, etc)

Load:Logic® Room Controller

Room Controllers

Description	Catalog Number
120/277V AC 2 Relays	**LLC2R**
120/277V AC 2 Relays with 2 0-10V Dimming Channels	**LLC2RD**

LLC2R   **LLC2RD**

Sensing Devices

Daylight Sensors

Description	Catalog Number
Daylight Sensor, Indoor	**RCDP**
Daylight Sensor, Outdoor	**RCODP**

RCDP

Dual Technology Sensors

Description	Catalog Number
Ceiling Sensor, 1,000 sq.ft.	**ATD1000CRP**
Ceiling Sensor, 2,000 sq.ft.	**ATD2000C**
Wall Mount Sensor, 1,600 sq.ft.	**ATD1600WRP**

Note: Requires (1) HBLRJ45A10

ATD2000C   **ATD1600WRP**

Smart Switches

Room Controller Switches

Description	Black	Gray	Ivory	Light Almond	White
1 button with pilot light	**RCS1BK**	**RCS1GY**	**RCS1I**	**RCS1LA**	**RCS1W**
2 button with pilot light	**RCS2BK**	**RCS2GY**	**RCS2I**	**RCS2LA**	**RCS2W**
3 button with pilot light	**RCS3BK**	**RCS3GY**	**RCS3I**	**RCS3LA**	**RCS3W**
4 button with pilot light	**RCS4BK**	**RCS4GY**	**RCS4I**	**RCS4LA**	**RCS4W**
6 button with pilot light	**RCS6BK**	**RCS6GY**	**RCS6I**	**RCS6LA**	**RCS6W**

RCS1W   **RCS2W**   **RCS3W**   **RCS4W**   **RCS6W**

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Specialty Room Controller Switches

Description	Black	Gray	Ivory	Light Almond	White
4 button, no pilot light, ON/Raise/Lower/OFF	RCSNRLFBK	RCSNRLFGY	RCSNRLFI	RCSNRLFLA	RCSNRLFW
6 button, no pilot light, Scene	RCSSCBK	RCSSCGY	RCSSCI	RCSSCLA	RCSSCW
2 button, no pilot light, Raise/Lower	RCSRLBK	RCSRLGY	RCSRLI	RCSRLLA	RCSRLW
1 button with pilot light, Time to ON	RCSTOBK	RCSTOGY	RCSTOI	RCSTOLA	RCSTOW
2 button, no pilot light, ON/OFF	RCSNFBK	RCSNGY	RCSNFI	RCSNFLA	RCSNFW

RCSNRLFW   **RCSSCW**   **RCSRLW**   **RCSTOW**   **RCSNFW**

Automatic Receptacle Control

Wired Switched Receptacles

Description	Catalog Number
Split Controlled, 20A, White	HBL5362LC1W
Full Controlled, 20A, White	HBL5362LC2W

Wireless Switched Receptacles

Description	Catalog Number
Split Controlled, 20A, White	HBL5362RFC1W
Full Controlled, 20A, White	HBL5362RFC2W

Wireless Transmitter

Description	Catalog Number
Wireless transmitter with Clear Connect™*	WLCA

Note: Requires (1) HBLRJ45A10

HBL5362LC1W   **HBL5362LC2W**

WLCA

Interface Card and Modules

Interface Cards

Description	Catalog Number
Room Controller Dry Contact Input Interface	RCDISP
Room Controller NC/NO Output Interface	RCSPOR

Modules

Description	Catalog Number
Room Controller Bluetooth® Module	RCBTM
RJ45 Adapter for non native RJ45 devices (10-pack)	HBLRJ45A10
3-way Bridging Adapter (connects 2 devices sharing a signal)	BR241444

UTP Cat. 5e Patch Cords, Plenum, No Boot

Description	Catalog Number
P-cord, NS, yellow, 3 FT	NS5EY03PNB
P-cord, NS, yellow, 10 FT	NS5EY10PNB
P-cord, NS, yellow, 25 FT	NS5EY25PNB
P-cord, NS, yellow, 50 FT	NS5EY50PNB
P-cord, NS, yellow, 100 FT	NS5EY100PNB

RCDISP   **RCSPOR**

RCBTM   **HBLRJ45A10**

BR241444   **NS5EY03PNB**

Clear Connect™ is a registered trademark of Lutron Electronics Co., Inc

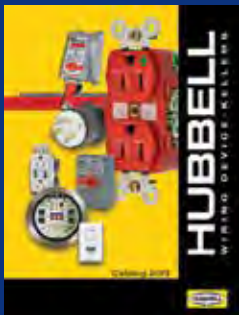# Load:Logic® Room Controller

Resources | Online

Hubbell offers a landing page dedicated to energy savings. Be sure to visit the Hubbell Wiring-Device Kellems website for more information.

Also Online | Literature

Hubbell offers an extensive literature library for product support. Downloadable PDFs are available online.

Hubbell Wiring Device-Kellems Catalog

Permanently Marked Receptacles for ARCS

Load Control Duplex Receptacles for ARCS

Hubbell H-MOSS® Occupancy Sensor Application Guide

Hubbell Load:Logic® Control Panels

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