

# Integrated Room Control (IRC)

## Code Compliant Room-in-a-Box Lighting Control

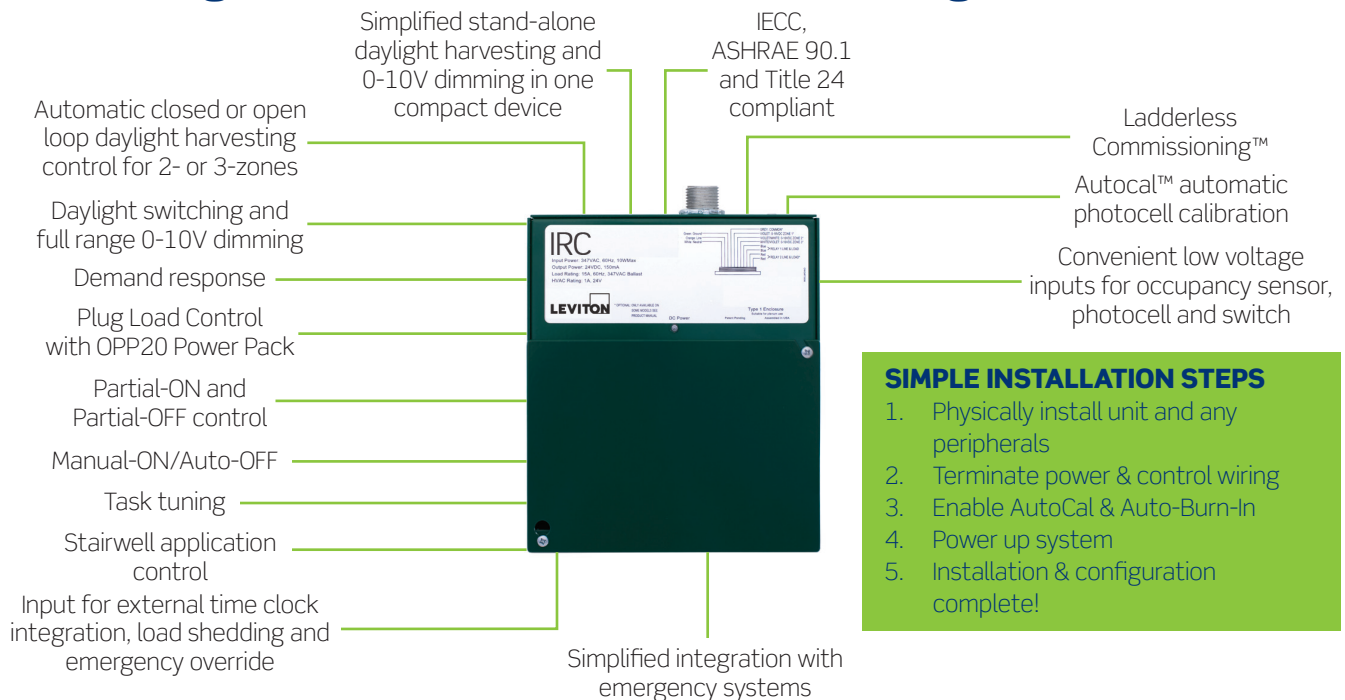
Engineered to deliver a simple and cost-effective IECC, ASHRAE 90.1 and Title 24 energy code compliant solution, the Leviton Integrated Room Control (IRC) features high performance lighting control capabilities in a compact device. The IRC solution combines daylight harvesting, 0-10V dimming, partial-ON, partial-OFF, occupancy sensing and demand response capabilities into a single, easy to install package.

IRC features Ladderless Commissioning™ for install-and-forget convenience and the AutoCal™ feature which automatically sets the maximum light output levels and calculates light loss factor for accurate lumen maintenance. IRC can be ordered as a custom kit or a factory pre-configured kit which includes a sensor, photocell, and 4-button switch that provides ON, bright, dim, and OFF functionality.

### IRC Code Compliant Capabilities IECC, ASHRAE 90.1 and Title 24

- **Dimming:** delivers multiple light levels other than full-ON and full-OFF
- **Daylight harvesting:** automatically adjusts electric light levels based on the amount of daylight in the space
- **Demand response:** reduces lighting loads during peak levels of electricity use
- **Plug load control:** automatically switches receptacle outlets OFF based on occupancy sensor signal
- **Partial-ON control:** turns lights ON partially via manual switch or occupancy sensor when a space is occupied
- **Partial-OFF control:** automatically reduces lighting in a space by at least 50% when a space is unoccupied

## The Integrated Room Control (IRC) Advantage



### SIMPLE INSTALLATION STEPS

1. Physically install unit and any peripherals
2. Terminate power & control wiring
3. Enable AutoCal & Auto-Burn-In
4. Power up system
5. Installation & configuration complete!

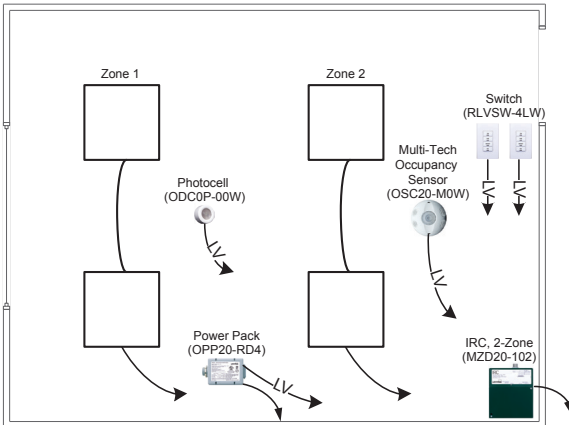
### Leviton Manufacturing Co., Inc. Energy Management, Controls and Automation

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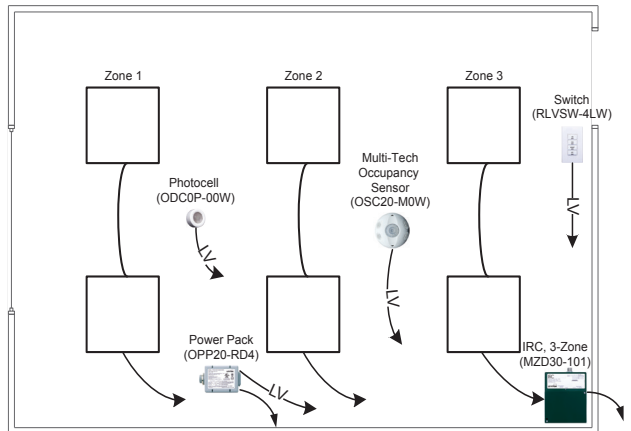
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## ROOM CONTROL SOLUTIONS

### (2) Zones with (2) 0-10V Outputs and (2) Relays



### (3) Zones with (3) 0-10V Outputs and (1) Relay



#### What You Will Need

	Description
	IRC, 2 Zone, 2 Relay MZD20-102
	Multi-Tech Ceiling Mount Occupancy Sensor OSC20-RMW
	Photocell ODC0P-00W
	Low Voltage 4-Button Switch, White RLVSW-4LW
	OPP20 Super Duty Power Pack OPP20-RD4

#### What You Will Need

	Description
	IRC, 3 Zone, 1 Relay MZD30-101
	Multi-Tech Ceiling Mount Occupancy Sensor OSC20-RMW
	Photocell ODC0P-00W
	Low Voltage 4-Button Switch, White RLVSW-4LW
	OPP20 Super Duty Power Pack OPP20-RD4

### ROOM-IN-A-BOX KITS - order a complete system with one part number

Factory pre-configured kits include IRC, Multi-Tech Ceiling Mount Occupancy Sensor (OSC10-M0W), 4-Button Switch - White (RLVSW-4LW), and Photocell (ODC0P-00W)

Cat. No.	Description
RCD20-102	Control for (2) zones, with (2) 0-10V outputs and (2) 120-277V relays
RCD30-101	Control for (3) zones, with (3) 0-10V outputs and (1) 120-277V relay
RCD20-C02	Control for (2) zones, with (2) 0-10V outputs and (2) 347V relays
RCD30-C01	Control for (3) zones, with (3) 0-10V outputs and (1) 347V relay

### BUILD A SYSTEM - simply choose an IRC, Sensor, 4-Button Switch, and Photocell

1. Select an IRC	2. Select a sensor	3. Select a switch(es)	4. Select a photocell
Determine number of zones to be controlled	Determine the size of the space to be controlled	Determine number of switches, color, and if engraving is required	Are there windows in the space?
<b>2 zones</b> Add MZD20-102 (120-277V) OR MZD30-C02 <b>3 zones</b> Add MZD30-101 (120-277V) OR MZD30-C01 (347V)	Add sensor* - see Data sheets for additional specifications <b>Ceiling Mount Sensors</b> OSC05/10/20-RMW - Multi-tech OSC05/10/20-U - U/S OSC04/15-I - PIR <b>Wall/Corner Mount Sensors</b> OSW12-M - Multi-tech, 1200SF OSWWW-I - PIR, 2500SF OSWHB-I - PIR, 55 ft x 7 ft OSWLR-I - PIR, 100 ft	<b>White</b> Add RLVSW-, 1LW (1 button), 2LW (2-button) or 4LW (4-button) <b>Color Change Kits</b> Add RDGSW-4Ex** <b>Engraved Color Change Kits</b> Add RDGSW-4Fx**	<b>Yes</b> Add ODC0P-00W <b>No</b> No photocell required

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\* See data sheets for additional specifications.  
 \*\* Replace x to indicate color: White (W), Ivory (I), Light Almond (T), Gray (G), Black (E) and Red (R).