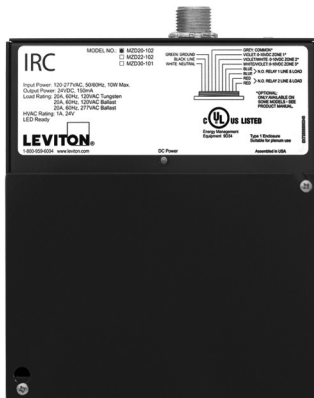# Integrated Room Control (IRC)
Featuring 0-10V Dimming and Demand Response Capabilities

DESCRIPTION

The Leviton Integrated Room Control (IRC) combines single room occupancy sensing, daylight harvesting, 0-10V dimming, Partial ON, Partial OFF and demand response capabilities into a single, easily installed package. IRC features several methods of Ladderless Commissioning™ for install-and-forget convenience, including the AutoCal™ feature which automatically sets the maximum light output levels and calculates light loss factor for accurate lumen maintenance. The IRC ships as either custom kits or a complete kit with a factory configured occupancy sensor, photocell and 4-button switch. The 4-button switch provides ON, raise, lower and OFF functionality. The performance, features and capabilities of the IRC product provide a simple and cost-effective stand-alone energy management solution to maximize energy efficiency and meet energy code mandates for virtually any commercial room control application.

STANDARDS AND COMPLIANCE

- Meets energy code requirements for IECC, ASHRAE 90.1 and CA Title 24
- UL and cUL listed
- Backed by a Limited Five-Year Warranty

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!

FEATURES

- Stand-alone simplified daylight harvesting with full range dimming
- Demand response capabilities
- 2 or 3 zone control for LED lighting
- Kitted with factory configured sensor, photocell and 4-button switch
- 4-button switch available with ON, Bright, Dim and ON/OFF buttons with optional engraving
- 2 entry stations for individual manual zone control included with 2 zone, 2 relay kit (RCD20-102)
- Meets energy code requirements for CA Title 24 Stairwell Application Control
- Provides plug load control when paired with OPP20 Super Duty Power Pack
- Cost-effective energy code compliance
- Ladderless Commissioning provides install-and-forget convenience
- Convenient occupancy sensor and photocell integration
- AutoCal automatic photocell target level calibration
- Accepts external time clock input to provide an OFF sweep function or modify the partial OFF function
- Simplified integration with emergency systems
- Controls maximum lighting output for additional energy savings potential and task tuning
- Daylight switching, full range 0-10V dimming
- Partial ON control for initial light level in either manual switch or occupancy sensor auto modes
- Partial OFF control for minimum continuous light level
- Adjustable minimum light level shut off value
- Emergency input drives auxiliary zones to full

LED READY

LEVITON

LOAD RATINGS

- 20A per relay, 120/277V

- 15A per relay, 347V

- Fluorescent: 0-10VDC 120V, 1,920W max load

- Fluorescent: 0-10VDC 277V, 4,432W max load

- LED: 0-10VDC 120V, 960W max load

- LED: 0-10VDC 277V, 2,216W max load

- Electronic Ballasts, CFL, LED: 120VAC-1,2000W max load (10A)

- Electronic Ballasts, CFL, LED: 277VAC-2770W max load (10A)

- LED, fluorescent, non-dimmed and 0-10V sinking for LED or fluorescent dimming control (Max 100mA), 2 or 3 zones

- 120mA power output for operation of occupancy sensors, photocells, etc.

POWER

- Input Power: 120/277, 347V for Canadian models; 10W Max, 50/60 Hz

- Output Power: 2 or 3 zones up to 20A 120/277V, 2 or 3 zones up to 15A 347V (Canadian models)

- Available Peripheral Power: 120mA, 24V

DIMENSIONS

- 6.65" (168.91mm)L x 8.65" (219.71mm)H x 2.1" (56.13mm)D

- Shipping Weight: 4lbs

- Unit Weight: 3.3lbs

- 1/2" & 3/4" concentric conduit knockouts

- 1/2" nipple with pigtails for easy line voltage connections

ORDERING INFORMATION

ROOM-IN-A-BOX KITS - Order a Complete System with One Part Number	
CAT. NO.	DESCRIPTION
RCD20-102	IRC Dimming Room Control Kit, includes Low Voltage devices; 2 Zone Room Controller w/(2) 0-10V outputs and (2) 120/277V relays, M/T Occupancy Sensor (OSC20-M0W), 4 Button Switch (RLVSW-4LW), Photocell (ODC0P-00W), 120/277VAC, 50/60Hz
RCD30-101	IRC Dimming Room Control Kit, includes Low Voltage devices; 3-Zone Room Controller w/(3) 0-10V outputs and (1) 120/277V relay, M/T Occupancy Sensor (OSC20-M0W), 4 Button Switch (RLVSW-4LW), Photocell (ODC0P-00W), 120/277VAC, 50/60Hz
RCD20-C02	IRC Dimming Room Control Kit, includes Low Voltage devices; 2-Zone Room Controller w/(2) 0-10V outputs and (2) 347V relays, M/T Occupancy Sensor (OSC20-M0W), 4 Button Switch (RLVSW-4LW), Photocell (ODC0P-00W), 347VAC Canadian model, 50/60Hz
RCD30-C01	IRC Dimming Room Control Kit, includes Low Voltage devices; 3-Zone Room Controller w/(3) 0-10V outputs and (1) 347V relay, M/T Occupancy Sensor (OSC20-M0W), 4 Button Switch (RLVSW-4LW), Photocell (ODC0P-00W), 347VAC Canadian model, 50/60Hz
INDIVIDUAL IRC FOR KITS	
CAT. NO.	DESCRIPTION
MZD20-102	IRC Dimming Version, 2 zone, 2 relay, 120V or 277VAC
MZD30-101	IRC Dimming Version, 3 zone, 1 relay, 120V or 277VAC
MZD20-C02	IRC Dimming Version, 2 zone, 2 relay, 347VAC
MZD30-C01	IRC Dimming Version, 3 zone, 1 relay, 347VAC

Visit our Website at: www.leviton.com/IRC