

# Stairwell Lighting Controls with Smart Room Controllers

Energy management strategies  
for stairwells

Leviton Smart Room Controllers (SRC) offer ready-to-install, stairwell control that meets or exceeds codes and standards for stairwells.

Local and national codes and standards require lighting controls in commercial stairwells. Stairwells are called out with exceptions in IECC, ASHRAE 90.1, and 2022 Title 24, Part 6. Although stairwells still require the advanced energy-saving capabilities of other code-compliant spaces (such as occupancy sensing, daylight harvesting, and demand response), there are often different guidelines for manual switching needs and the percentage of full power that lights turn ON or OFF to. The SRC solution is engineered to easily meet all code requirements, including specific provisions for stairwell lighting control.

The SRC is a code-compliant powerhouse, with advanced capabilities in a compact, easy-to-install package:

- Combines occupancy sensing, 0-10V dimming, partial-ON, partial-OFF, and demand response capabilities in a standalone, easy-to-install package
- Autocal™ automatic photocell calibration and Ladderless Commissioning™ with the Smart Sensor App

## CHALLENGE

*Multi-level facility is upgrading lighting control systems to save energy and comply with local energy codes.*

- Facility is located in California and must comply with 2022 Title 24, Part 6 code requirements
- Outside of California, must comply with local codes that meet IECC and ASHRAE 90.1
- Multiple stairwells throughout the facility must meet partial-ON and partial-OFF requirements set by 2022 Title 24, Part 6
- Tight retrofit schedule leaves limited time for product selection and installation

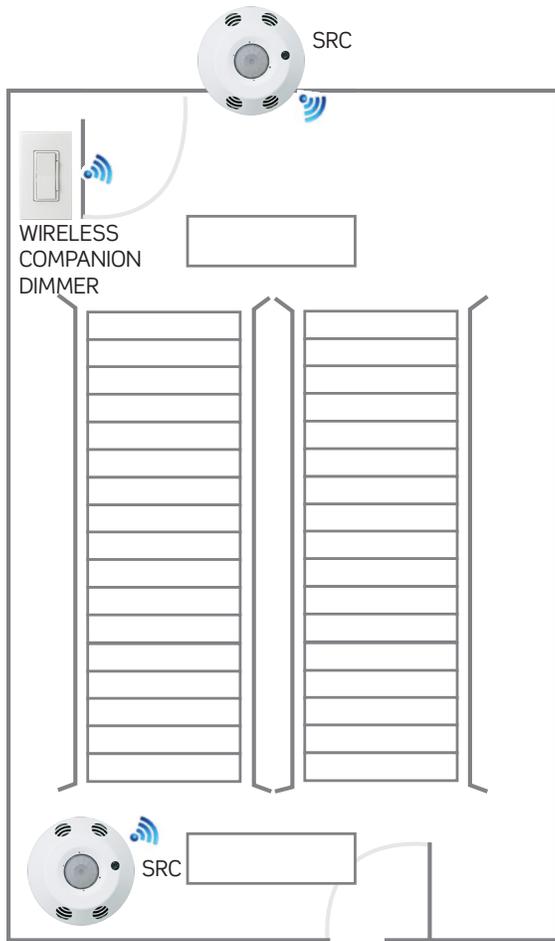
## SOLUTION

*The SRC provides daylighting and dimming lighting control, and the power pack integrates a marked "controlled" receptacle for a complete code compliant solution.*

- Can be used to comply with IECC, ASHRAE 90.1, and 2022 Title 24, Part 6 Automatic shutoff, area controls, manual-ON/OFF, multi-level controls, occupancy sensing, and partial-OFF
- The SRC delivers either 1- or 2-zone dimming for multiple light levels between full-ON and full-OFF that can be controlled independently from each other
- Features the ease of Ladderless Commissioning and AutoCal



## SMART ROOM CONTROLLER STAIRWELL CODE-COMPLIANT SOLUTION



### MEETS THE FOLLOWING 2022 TITLE 24, PART 6 REQUIREMENTS

- Sections 130.1(a)
  - Manual Controls
- Section 130.1(c)
  - Shutoff Controls
  - Partial-OFF
  - Manual Controls
  - Automatic Shutoff Controls

### MEETS THE FOLLOWING IECC APPLICATIONS

- Section C405.2.2 Occupancy Sensors
  - Exception for stairways: full auto-ON controls shall be permitted as manual-ON would endanger the safety or security of the room or building occupants
- Section C405.2.1.1 Interior Lighting Controls
  - Exception for stairways for mandatory manual controls for interior lighting areas

### MEETS THE FOLLOWING ASHRAE 90.1 APPLICATIONS

- Section 9.4.1.6 Additional Controls
  - Provide a separate control device for several unique applications, including stairwells
- Section 9.4.1.6(g) Occupant Control of Stairwells
  - Control Strategy: Standalone Control

## WHAT YOU WILL NEED

Smart Room Controller Stairwell Code Compliant Solution		QTY.
	<b>Smart Room Controller   ACY20-DMW</b> Provides occupancy/vacancy sensing, dimming, and daylight harvesting control for 2,000 sq. ft. coverage	2
	<b>Wireless Companion Dimmer   SBK00-CDW</b> Dimming control	1
	<b>Smart Sensor App</b> Download from the Google Play or Apple App Stores	1

### Leviton Manufacturing Co., Inc. Global Headquarters

201 North Service Road, Melville, NY 11747-3138 **tel** 800-323-8920 **tech line** (8:00AM-10:00PM ET Mon-Fri, 9:00AM-7:00PM ET Sat, 9:00AM-5:00PM ET Sun) 800-824-3005

Visit our website at: [www.leviton.com/smartsensors](http://www.leviton.com/smartsensors)

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