

Selecting the Best Solution For a Room's Lighting Control

Scalable levels of control for any room type and scenario

Leviton Integrated Room Control (IRC) and Super Duty Power Pack

SIMPLE SWITCHING OR REFINED DIMMING OPTIONS FOR CODE COMPLIANCE

Lighting control and compliance with IECC, ASHRAE 90.1 California Title 24 cannot be achieved with one-size-fits-all systems. Leviton room control solutions offer scalable levels of control, including the basic Power Pack option and the more advanced Integrated Room Control (IRC) solution. In determining which level of room control is the best fit for your application, first determine:

- Does the facility have windows?
 - If **NO**, a power pack will be sufficient control to switch lights ON/OFF and incorporate control of low voltage devices such as occupancy sensors and switches
 - If **YES**, step up to the IRC for code compliant daylighting and photocell integration
- Does the facility require dimming of lighting loads?
 - If **NO**, a power pack will be sufficient control to switch lights ON/OFF for areas that do not require dimming. Refer to the code/standard for more information on requirements
 - If **YES**, step up to the IRC to dim lights based on occupancy, ambient lighting, demand response signals and more

PROBLEM

Commercial facility requires a lighting control solution in the lobby that meets IECC, ASHRAE 90.1 and Title 24 requirements.

- Lobby is an atrium-style area with skylights and glass entryways
- In order to meet code and standard requirements, solution must be capable of dimming
- Lobby contains new LED fixtures
- Private office adjacent to reception desk requires plug load control

SOLUTION

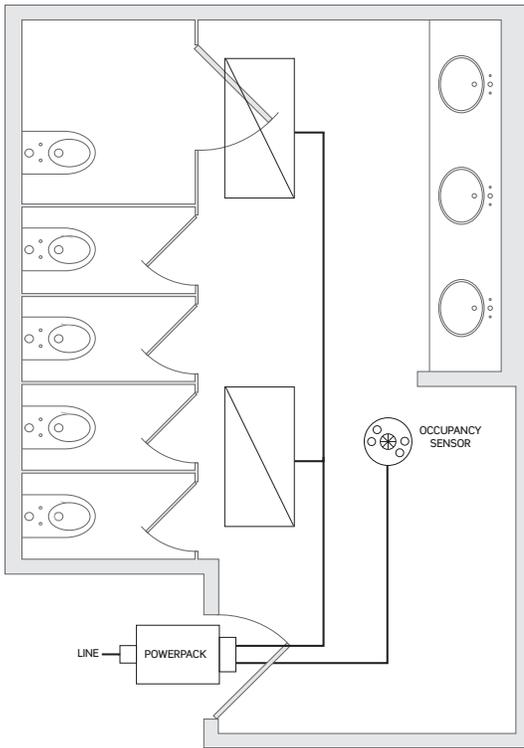
The IRC provides daylighting and dimming lighting control, and the power pack integrates marked "controlled" receptacles for a complete code compliant solution.

- IRC meets and exceeds all IECC, ASHRAE 90.1 and Title 24 requirements for daylighting including dimming, demand response, task tuning and emergency response capabilities
- IRC's continuous, even dimming control adjusts lighting based on low voltage signals from photocells, occupancy sensors, switches and demand response communications
- IRC is LED READY for 0-10V lighting control
- Power pack controls switching of plug load controls based on signals from the IRC



Room Control:

Power Pack Simple Switching Control



USE WHEN:

- Windows or other natural light sources are not present in the space, making daylighting capabilities non-applicable
- Switching lights ON/OFF is sufficient for meeting IECC, ASHRAE 90.1 or Title 24 requirements
- Marked “controlled” receptacles are required for plug load/receptacle control capabilities

IDEAL APPLICATIONS:

- Restrooms
- Supply closets
- Copy rooms
- Conference rooms
- Utility rooms
- Applications desiring the simplest, most economical option while meeting code/standard requirements

For power pack ordering information, visit Leviton.com/sensors.

For IRC ordering information, visit Leviton.com/irc.

Disclaimer: This document is for informational purposes only. Each project will have its own specific requirements for satisfying ASHRAE 90.1 and Title 24 code compliance based on a variety of factors. Other exceptions or details may apply. Review the code for specific requirements and/or consult with a professional advisor. Leviton Mfg. Co., Inc. is not responsible for any loss resulting from the use of any information found in this document. Solutions are subject to change without notice. For additional assistance, contact your local Leviton representative.

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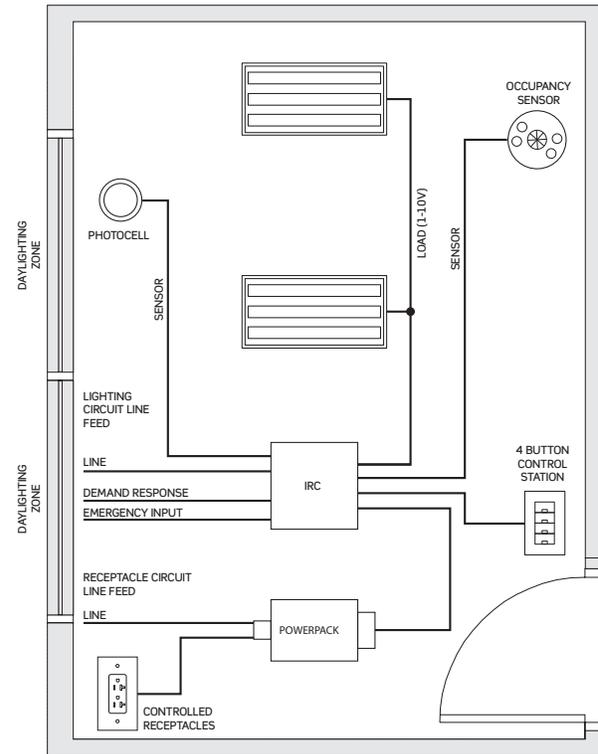
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Visit our website at: www.leviton.com/irc

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IRC Advanced Dimming and Daylighting Control



USE WHEN:

- Space includes windows or other natural light sources, which require daylighting capabilities
- Dimming lights based on ambient lighting and low voltage signals is required for meeting IECC, ASHRAE 90.1 or Title 24 requirements
- Demand response capabilities are required, as in California Title 24 Section 130.5(3) for buildings larger than 10,000 square feet

IDEAL APPLICATIONS:

- Atriums
- Skylit areas
- Stairwells
- Lobbies
- Applications desiring to maximize energy savings while meeting code/standard requirements