Master Light Switch
By INNCOM
When it comes to guestroom lighting control compliance with the IECC, ADA and NEC codes, you could take the traditional, costly approach and wire every lighting circuit to a switch and relay by the entry door. Even in a modestly sized standard room, this could add as much as 200 extra feet of conduit and wiring, as well as the labor necessary to wire the lamp plugs to work with the entry master switch. Once in use, such a system has been known to cause guest complaints because lights in the room won’t work unless the entry switch is on. But it does not have to be that way!

The INNCOM® Occupancy-Based Master Light Switch automatically turns off lighting in unoccupied rooms without ever inconveniencing the guest. When the guest enters the room, the Master Light Switch illuminates a welcome lighting scene; when the guest leaves, all lights turn off. Using smart INNCOM switches and Lamp Control Modules, lighting can be custom programmed to suit your room design. Additionally, the system is engineered to ensure that light fixtures will work when an occupant wants them to work, regardless of whether the master switch is in the on or off position.

- Every switch or lamp can be programmed to suit your room design – Superior guest functionality.
- The INNCOM master switch works effectively at the door without adversely affecting guest comfort.
- Significant project cost reduction on the wiring, conduit and labor needed as compared to traditional wiring.
- The INNCOM solution also enables the property to automatically turn off lighting in un-occupied rooms – your contribution to a better environment.

Contact INNCOM and let us help you with your installation design and planning for all your guestroom control needs.

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**Hotel and Motel Guestroom Lighting** -- hotel and motel guest rooms and guest suites shall have a master control device at the main room entry that controls all permanently installed luminaries and switched receptacles.

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**ASHRAE 90.1**

"Sleeping units in hotels, motels, boarding houses or similar buildings shall have at least one master switch at the main entry door that controls all permanently wired luminaires and switched receptacles, except those in the bathroom(s). Suites shall have a control meeting these requirements at the entry to each room."

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**Section 505.2.3 IECC**

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Proposed measure requires:

• Mandatory installation of automatic controls for HVAC, and lighting, in guest rooms
• Controls return HVAC equipment to a setback position and turn off lighting when room is empty

Hotel/L motel Guest Room Occupancy Controls for HVAC and lighting systems would require installation of occupancy controls for HVAC equipment, and all lighting fixtures in hotel/motel guest rooms, including plug in lighting. These occupancy controls can be captive card key controls, or occupancy sensor based control.

Daylighting control requirements have also been vastly expanded. The new code will require photocontrols in all interior day lit spaces with at least 120W of installed lighting power. This change in criteria, from sizeable areas to modest lighting power use, significantly expands the number of spaces required to use photocontrols, affecting virtually every office or commercial space with skylights or windows.

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Hotel Lighting Specifications from the US Department of Energy

Specific Application controls C405.2.3

Hotel and motel sleeping units and guest suites:

• Master control device at main room entry controls all permanently installed luminaires and switched receptacles

Title 24 Guest Room Occupancy Controls California Statewide Utility Codes and Standards Program

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INNCOM Lighting Control

Honeywell understands that guestroom lighting control is more than just being able to turn lights on and off. Lighting control encompasses everything from basic energy savings to creating memorable guest experiences. Our environmentally friendly lighting systems comply with energy-conservation building codes and can include an all on / off Master Light Switch to ensure that lights are always off in unoccupied rooms. Our lighting controls provide comfort, safety and convenience, too. Automatic nightlights and entry welcome lights guide and assure guests in an otherwise darkened room, while multi-point control makes it easy for guests to adjust lighting from virtually anywhere in the guestroom. Honeywell’s INNCOM offerings give you design tools to create both the visual interface (custom wall-mounted panels, tabletop touchscreens) and the lighting experience (focused task lighting, ambient mood lighting). We will also work with you to adapt your custom system to meet your unique requirements.