

LIGHTOLIER® CONTROLS

A Designer-Style, Multi-Detection Technology, Dual-Relay Occupancy Sensor Switch (120 ~ 277VAC)

Project:

Location/Type:

Description

Dual-Relay Occupancy Sensor Switch:

The IntelliSight® ITSABU is a designer-style, multiple technology, dual relay occupancy-sensing switch. Designed for today's energy-conservation initiatives, the ITSABU provides control of either a single circuit or two circuits in an occupancy sensor. The device is designed to control VA-rated loads when used in 120VAC or 277VAC applications. Each unit has an automatic shut-off feature and provides multi-location on/off (three-way) control when used with the Lightolier® Controls ITSRB3 Remote. The IntelliSight® ITSABU occupancy sensors operates and controls incandescent, magnetic low-voltage, cold cathode, general inductive loads, non-dim fluorescent, and LEDs.

Remote:

As an option, the IntelliSight® ITSABU sensor can be combined with an ITSRB3 Remote for three-way applications. This remote is a designer-style, multi-location device that uses existing three-way wiring to control the on/off commands for any IntelliSight® sensor.

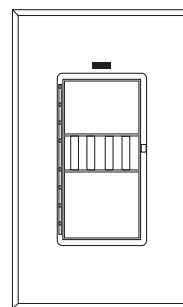
Features

Dual-Circuit Occupancy Sensor Switch:

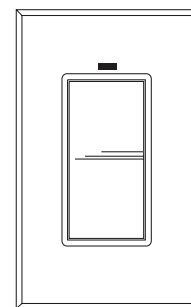
- Attractive designer styling which complements other designer-style electrical devices and faceplates.
- Controls one or two circuits of many load types including incandescent, magnetic/electronic low-voltage, cold cathode, general inductive, non-dim fluorescent, and LEDs.
- Multiple technologies which improve sensitivity and decrease false triggering, creating a user-friendly and custom device without creating complexity.
- Light level adjustments offer a full range of lighting levels, with preset capabilities.
- Easy to set presets by press and hold the top or bottom paddle to the desired light level (circuit one or two or both on) and pressing the set button. When the unit is turned on, either manually or automatically, the switch goes to the light-level preset.
- Manual override capabilities allow the lights to control both lighting circuits without changing programmed operation.
- Intelligent self-adjustment mode which continuously monitors space and occupancy patterns to self-adjust to the most efficient control of the monitored space.
- Adjustable time-out period, including automatic.
- Sensor sensitivity settings to tailor switch to unusual spaces.
- Universal voltages of 120 and 277 VAC (60 Hz) power with a single ground connection. Minimum inventory, easy installation.
- ETL Listed for load ratings at 800VA/Incandescent, 1200VA/Fluorescent at 120 VAC and 1800VA/Fluorescent at 277 VAC.
- No minimum load requirement.
- Selectable audible tones which emit an audible signal before the lights shut off, allowing the occupant to maintain the on status, if so desired.
- Ambient light override capabilities to monitor ambient light to prevent switch from turning on if ambient light is above a certain level.
- Power fail memory - years of power failure memory for building sweeps and unplanned power losses.
- LED indicator readouts for status and settings:
 - A soft blue LED which indicates the current preset.
 - A bright blue LED which indicates the current level.
 - A glowing blue LED which indicates that the dimmer is off.
 - A blue LED light when sensor detects occupancy.
- Automatic air gap when lights are off. Can be locked for maintenance.
- Reinforced lens with minimal protrusion from the wall for maximum protection.

Remote:

- Streamlined appearance and operation.
- Provides manual on/off control for any IntelliSight® ITSABU sensor from additional locations.
- Unlimited remotes can be used for multi-location control.



ITSABU Sensor



ITSRB3 Remote

Custom engraved faceplates available.

Operation

Dual-Circuit Occupancy Sensor Switch:

- Turn switch on:
 - Manual Mode - tap the top of the rocker to turn lights on to preset (default).
 - Automatic Mode - the device automatically turns on circuit one (or two, depending on programming), when it detects occupancy in the space.
- Programming circuit control:
 - Press and hold UP or DOWN paddle to desired light level and press SET button to save setting (i.e., Load A On/Load B On, Load A On/Load B Off, Load A Off/Load B On).
- Turn switch off:
 - Automatic - the device automatically turns the lights off when the space has been vacant and the time-out period has elapsed.
 - Manual - tap the bottom of the rocker (once) to turn lights off.
 - Intelligent Off - When device is manually turned off, it will continue to monitor the space for occupancy and stay off until it detects 5 minutes of occupancy. Once the 5-minute period has expired, and the unit is set to Automatic On mode, it will rearm itself to turn on when the space is occupied.

Remote:

- Same manual operation as switch.

Ordering Info

Model*	Description
ITSABU	IntelliSight Dual-Relay Occupancy Switch
ITSRB3	3-Way (Multi-Location) Remote

* Must specify color (W = White, I = Ivory, LA = Light Almond)

Specifications

Dual-Circuit Occupancy Sensor Switch:

The IntelliSight® ITSABU Dual-Relay Occupancy Sensor Switch is ETL Listed to the United States and Canadian safety standards and is rated at 800VA/Incandescent, 1200VA/Fluorescent at 120 VAC and 1800VA/Fluorescent at 277 VAC, 60 Hz to control incandescent, magnetic low-voltage, cold cathode, general inductive, non-dim fluorescent, and LED loads. The device has no minimum load requirement.

The unit shall have the capability of storing a user-programmable preset in its memory - a preset of one load or both loads on. This switch allows user manual override of its preset level, without affecting the level set into its memory.

The device detects occupancy in an area of approximately 4,000 square feet, with a minimum field of view that is equal to 170 degrees and an axial range of 40 feet. A set of lens masking labels is provided to reduce the field of view to 60, 90, or 120 degrees.

Device operations include manual on, manual off, automatic on, and automatic off. It can accept on/off commands from an unlimited number of Lightolier® Controls multi-location Remotes.

LED indicators to show user-programmed preset level (soft glow, blue LED), a current switch light level (bright glow blue LED), when a sensor detects occupancy (blinks when occupancy is detected, top position blue LED), and when the switch is off (steady, top position blue LED). In addition, the unit will emit a short audible warning before automatically turning the lights off, allowing the user time to keep the lights on, if they so desire.

The device includes user-established control modes for ambient light override, heat signature sensitivity, time out (ranging in time from 1-30 minutes). However, all adjustment controls and air gap switches (to open the circuit completely) are unobtrusive and are not required for normal operations.

The IntelliSight® ITSABU Dual-Relay Occupancy Sensor Switch mounts in a single gang wall box and can be ganged with other designer-style electrical devices and/or faceplates. Each unit includes a designer-style screwless faceplate, available in the colors of White, Ivory, or Light Almond.

Remote:

Each Multi-Location remote provides three-way, multi-location, on/off control to one IntelliSight® ITSABU Dual-Relay Occupancy Sensor Switch. The remote turns on the switch to its preset or full on levels.

The device mounts in a single-gang wall box and can be combined with other designer-style faceplates and electrical devices. Each unit includes a designer-style screwless faceplate, available in the colors of White, Ivory, or Light Almond.

Load Types:

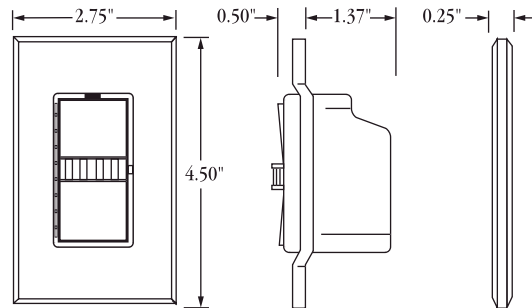
The IntelliSight® ITSABU Dual-Relay Occupancy Sensor Switch operates and controls incandescent, magnetic/electronic low-voltage, cold cathode, general inductive, non-dim fluorescent, and LED loads.

Colors:

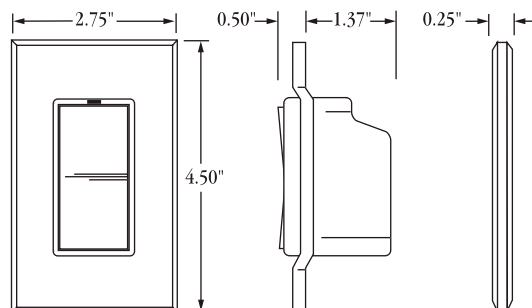
Each available in White (W), Ivory (I), and Light Almond (LA).



Dimensions

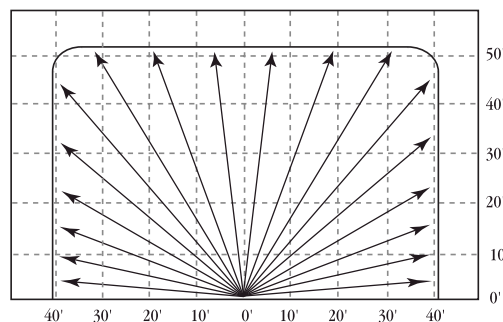


ITSABU Sensor



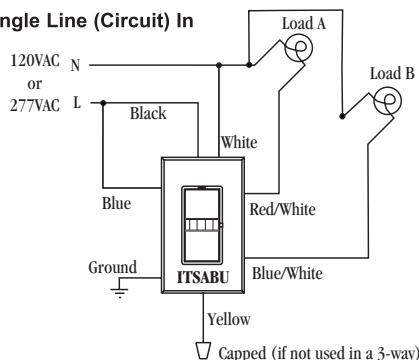
ITSABU Remote

Field of View

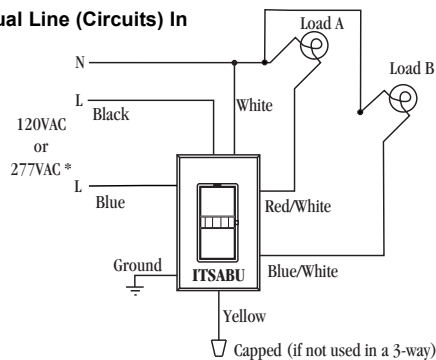


Wiring Diagrams

Single Line (Circuit) In

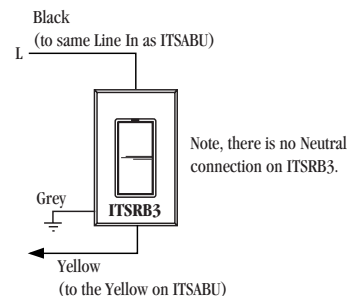


Dual Line (Circuits) In



(Note: * = must be same voltage for each circuit)

3-Way (Multi-Location) Remote



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