Keilton +autani

CS107S
Line Voltage PIR Ceiling Sensor

User Guide

2026

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LiteTrace Brands
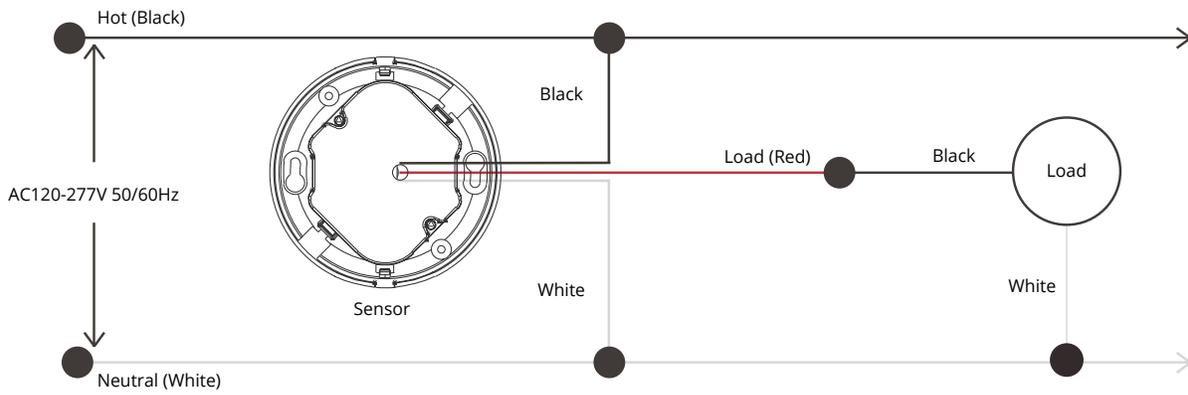
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Product Introduction

The CS107S is a line voltage ceiling-mount PIR (Passive Infrared) and photocell sensor with a Keilton+autani module inside. It can be controlled with the Keilton+autani App and works with other Keilton+autani products. It has a relay output that can turn ON/OFF non-Keilton+autani integrated lights and appliances. It can also link to other Keilton+autani controllers and sensors to turn them ON/OFF wirelessly.

Main features of CS107S include:

- 360° PIR occupancy sensor to turn ON/OFF circuits and lights
- Ambient light sensor for photocell control
- Up to 10A relay output

Wiring, Reset Button and Indicator

Wiring Diagram

Connect legacy or non-Keilton+autani integrated luminaire and appliances to the relay output to control them with the CS107S and the Keilton+autani App.
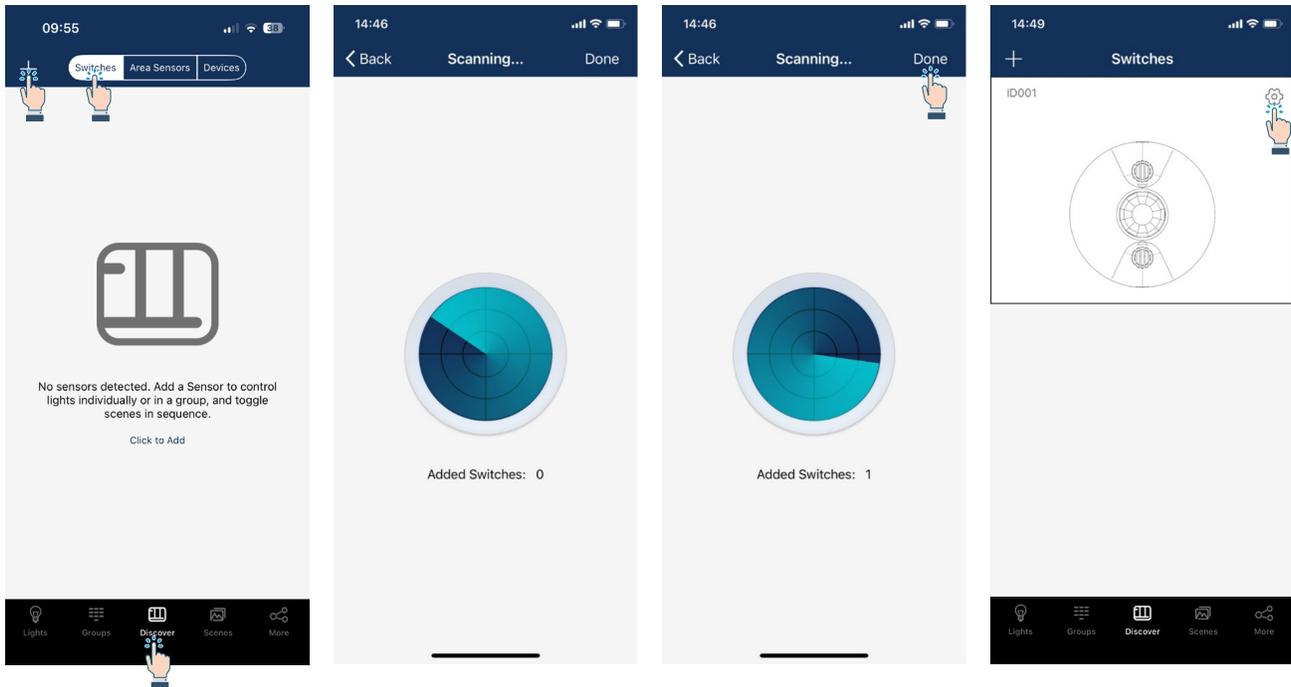
Remove the faceplate to access the reset button and LED indicator.

- Reset button: Press and hold the reset button for 3 seconds to reset CS107S to factory settings
- LED indicator: The indicator flashes when it receives a wireless packet

* The CS107S can also be reset to factory settings using a sequence of 3-long-2-short power cycles.

Add CS107S to Keilton+autani App

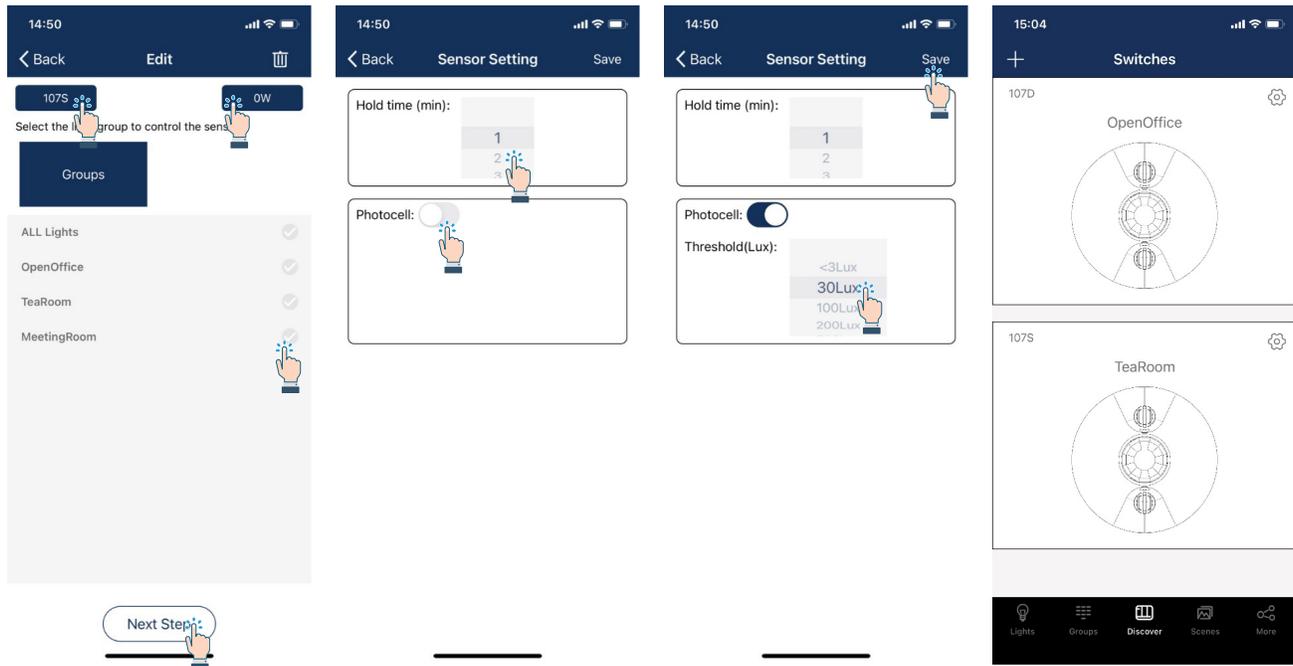The CS107S functions as a switch in the Keilton+autani App.

1. Go to the Discover page in the Keilton+autani App, select the '**switches**' and select the '**+**'/'**Click to Add**' button to add the CS107S sensor

2. Select '**Done**' to exit the adding switches page. If CS107S fails to appear, reset it to factory settings

3. Select the configuration button in the top right corner to open the configuration page
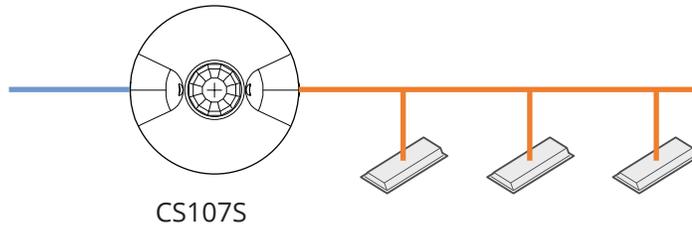
CS107S Configuration

1. Rename the sensor, enter the rated wattage for the relay output load, and associate the sensor or a light group. Then select '**Next Step**' to configure sensor parameters

2. Set the PIR sensor hold time, enable or disable the photocell, and set the photocell threshold. Select '**Save**' to save the settings

When the photocell is enabled, the sensor will not turn ON until ambient light falls below the threshold, even when motion is detected.

Typical Applications

Relay Configuration

CS107S

Legend:

———————— Power supply

———————— Relay Output
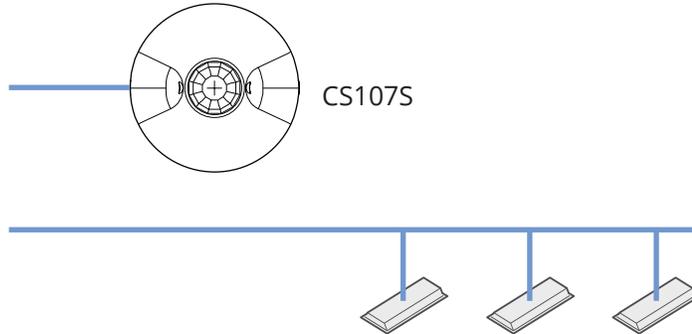
Non-Keilton+autani integrated luminaire

Use the CS107S to turn ON/OFF legacy non-Keilton+autani integrated luminaire and appliances.

Connect lights and appliances to the CS107S relay output. The sensor automatically turns them ON when motion is detected and turns them OFF when motion times out.

Associate a switch to the same group as the CS107S to manually turn lights ON/OFF when necessary.

Typical Applications, Continue

Linkage Application

CS107S

Legend:

———— Power supply

Keilton+autani integrated luminaire

Use the CS107S to turn ON/OFF Keilton+autani integrated luminaire and appliances.

Associate the CS107S with a group of Keilton+autani integrated luminaire. The sensor automatically turns the lights ON when motion is detected and turns the lights OFF when motion times out.

Associate a switch to the same group as CS107S to manually turn lights ON/OFF when necessary.

Follow these instructions to configure bi-level dimming for Keilton+autani integrated luminaire with the CS107S ceiling sensor:

- Enable the motion sensor function for Keilton+autani integrated lights in the Keilton+autani App, even if no motion sensors are physically installed on the lights
- Set appropriate T1/T2 timers and dim levels for the lights
- Set the 'Hold time' for CS107S to a value larger than (T1+T2).

Need Help?

Technical Support For installation, configuration, and troubleshooting assistance
Support Center: https://autani.zendesk.com/hc/en-us | Email: support@autani.com
Phone: +1 (443) 320-2233 | Hours: Monday-Friday, 9 AM - 5 PM EST

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