Keilton +autani

BCS107

Battery Powered Ceiling Sensor

User Guide

2025

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TABLE OF CONTENTS

Introduction

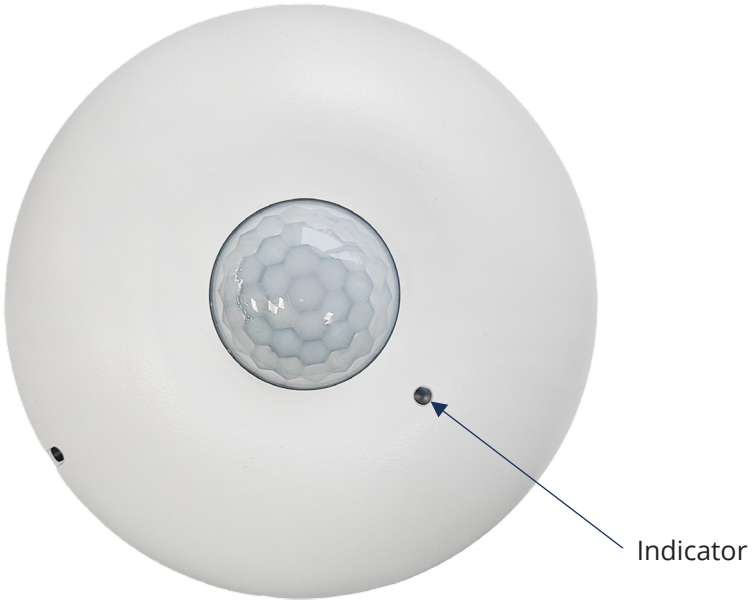
The Keilton+autani BCS107 is a battery powered, Bluetooth wireless ceiling mount sensor. It can work together with Keilton controllers and devices. It provides motion and daylight harvesting sensor functions. The BCS107 is configured with the Keilton+autani App.

Main features include:

- Easy Installation with multiple mounting options.
- 10 years battery life, easy maintenance.
- PIR motion and daylight harvesting sensor.

Firmware version of the Keilton controllers and devices must be 231210 or later to work with BCS107.

Calibrate, Pair button and Indicator



LED Indicator: Flashes when the sensor receives a wireless package.

- Short press: Calibrate daylight harvesting sensor
- Long press: Press and hold the button for 3 seconds to set the BCS107 to pairing mode. The indicator will flash blue quickly and you may pair it with app within 30 seconds.

Daylight Harvesting Calibration

During the process, you may need to un-mount it from ceiling, Calibrate the sensor when there is proper ambient light, the sensor is positioned correctly with the lens facing the right direction, and not blocked by any objects or your hands. The daylight harvesting sensor is right behind the lens and it won't be working properly if it is not correctly calibrated.

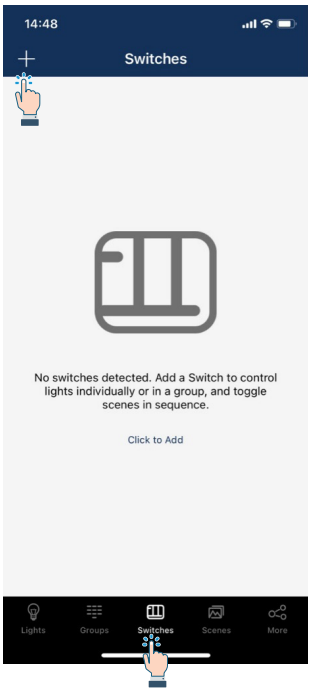
BCS107 is powered by a battery, so the daylight harvesting sensor works at a slower pace than DC/AC powered Keilton sensors.

Daylight Harvesting Switch

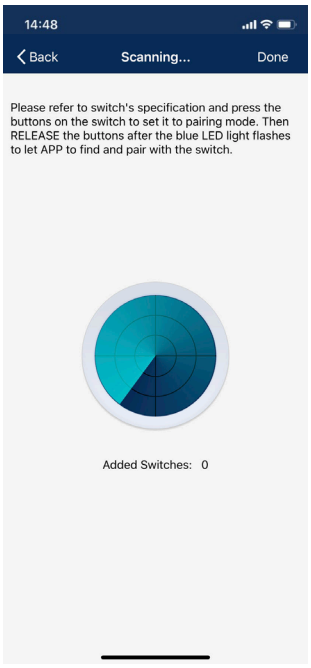
Short press the calibrate/pair button on the back of BCS107 to let the sensor remember the current ambient light level and keep this as the target for daylight harvesting.

Add BCS107 to Keilton+autani App

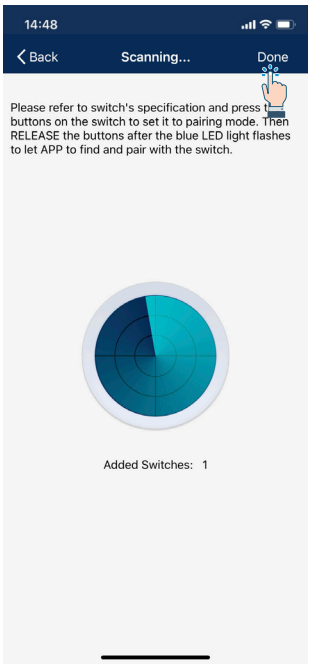
BCS107 is configured as a switch in the Keilton+autani App.



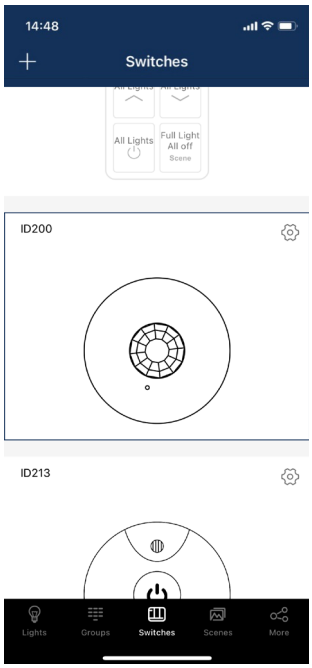
1. Go to Switches page on Keilton+autani App and select the '**+**' button to start adding the BCS107.



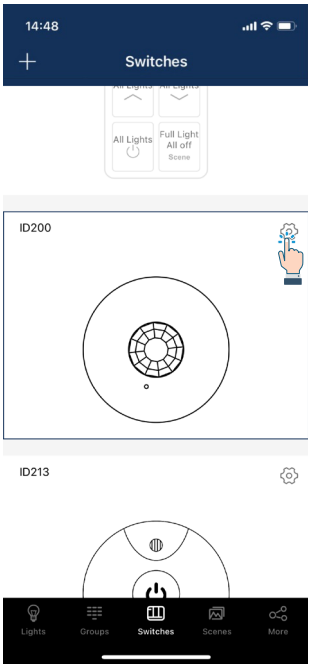
2. Please press and hold the ***Pairing button*** on BCS107 for 3 seconds to set it to pairing mode.

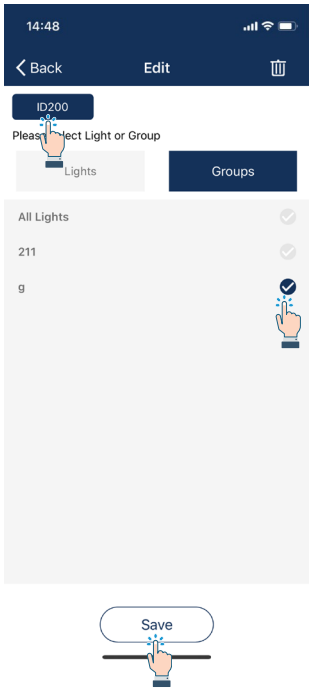


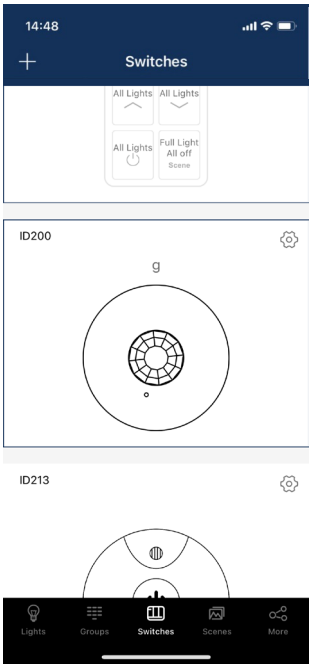
3. Select "**Done**" to exit.



BCS107 Configuration





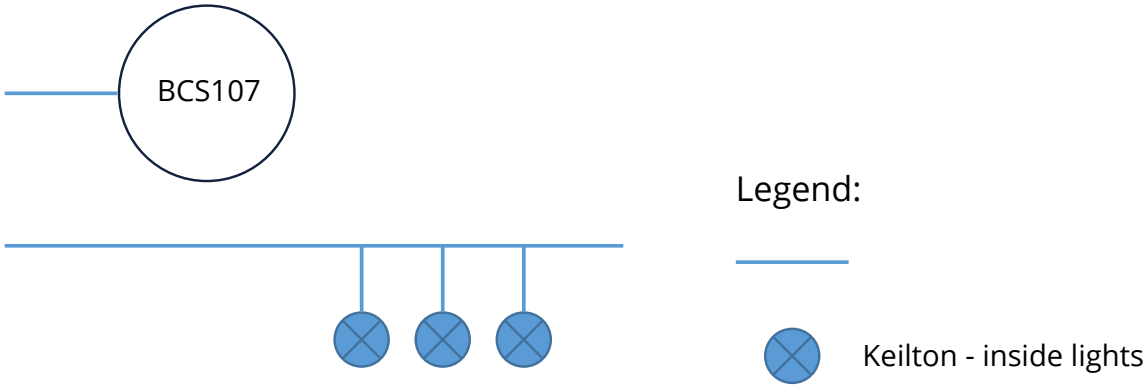


1. Select the configuration button on the top right corner of the BCS107 icon to bring out the configuration page. You can rename the sensor and bind it to an individual light or a group.

2. Then select '**Save**' to send the setting to devices and exit the setting page.

If you add new members to a group after binding the BCS107, return to this configuration page and save the settings again to update the new group members.

Typical Application - Occupancy Mode



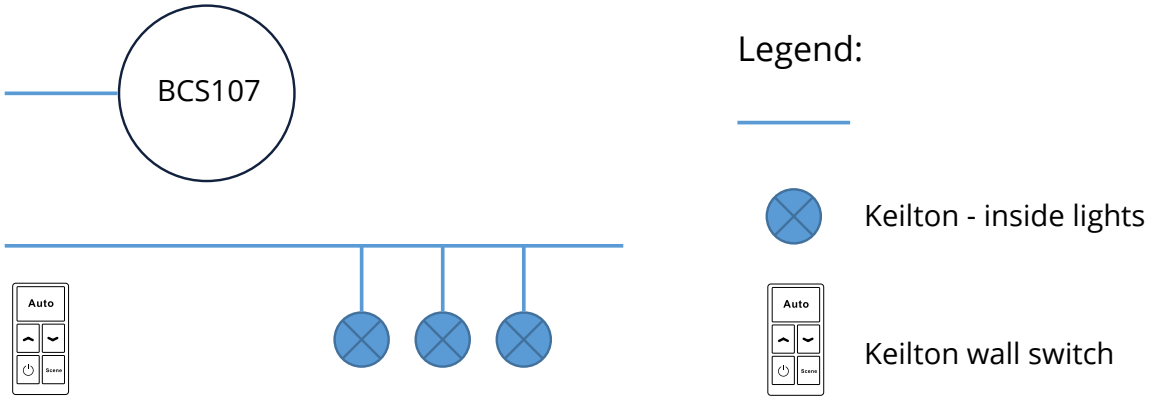
Bind the BCS107 to a group of Keilton-inside lights, so it will automatically turn lights ON/OFF based on motion and dim up/down by daylight harvesting.

You can also bind a switch to the same group as the BCS107 for manual ON/OFF control when needed.

Please follow the instructions to provide bi-level dimming on Keilton-inside light together with the BCS107 ceiling sensor:

- Commission the BCS107 and the lights to a ZONE by *Keilton+autani* App.
- Create a group and add those lights as members.
- Enable the motion sensor function for the group. (Even if there are no motion sensors installed on these lights).
- Disable the daylight harvesting sensor function for the group.
- Set proper T1/T2 and dim level for the group.
- Dim the group to proper level and save it as auto point.
- Bind the BCS107 to this group.
- Calibrate the BCS107 properly.

Typical Application - Vacancy Mode



The BCS107 can also work in vacancy mode. When bound to a group set to 'Vacancy mode,' users must turn ON the lights manually using a switch. The lights will turn OFF automatically when the motion times out. The BCS107 dims lights based on daylight harvesting.

Please follow the instructions to provide vacancy and bi-level dimming on Keilton-inside light together with the BCS107 ceiling sensor:

- Commission the BCS107, switch and the lights to a ZONE by *Keilton+autani* App.
- Create a group and add those lights as members.
- Enable the motion sensor function for the group and select 'Vacancy' mode. (Even if there are no motion sensors installed on these lights).
- Disable the daylight harvesting sensor function for the group.
- Set proper T1/T2 and dim level for the group.
- Dim the group to proper level and save it as auto point.
- Bind the BCS107 to this group.
- Bind the switch to this group.
- Calibrate the BCS107 properly.

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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