

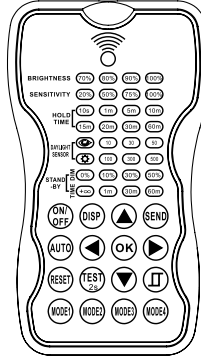
DATE:	PROJECT:
TYPE:	NOTES:
CATALOG #:	

BCB-RCOP | REMOTE CONTROL OC SENSOR PROGRAMMER
FOR OCCUPANCY SENSORS
(QI-MW-OCC, QI-PIR-OCC, BCB-MS)

Sensor Remote Programmer
OPERATION INSTRUCTIONS

SPECIFICATIONS

Power Supply	2 x AAA 1.5V batteries, Alkaline preferred
Carrying Case	Remote carrying case
Upload Range	Up to 50ft (15m)
Operating Temp.	0°C ~ 50°C (32°F ~ 122°F)
Dimensions	123 x 70 x 20.3mm (4.84" x 2.76" x 0.8")



Carrying case included.



⚠ WARNING

Remove the batteries from compartment if the remote will not be used in 30 days.

OVERVIEW

The remote control remote control OC Sensor Programmer is a handheld tool for remote configuration of IR enabled integrated sensors. The tool uses a pushbutton interface to quickly modify sensor settings and store up to (4) custom settings for quick and efficient commissioning.

The remote control sends sensor settings at mounting heights up to 50 feet. The device can display previously established sensor parameters, copy parameters, and send new parameters or store parameter profiles. For projects where identical settings may be desired across a large number of areas or spaces, this capability provides a streamlined method of configuration. Settings can be copied throughout a site, or in different sites.
























LED INDICATORS

LED	DESCRIPTION	LED	DESCRIPTION
BRIGHTNESS	High-end trim turning function (To Set the output level of connected light(s) during occupancy)		Selects the current surrounding lux value as the daylight threshold. This feature enables the fixture to function well in any application. (1 footcandle (fc)=10.7 Lux)
SENSITIVITY	Sets the occupancy sensing sensitivity of the sensor(s).		Deactivates daylight sensor. All motion detected will turn light(s) on, independent of natural light surroundings.
HOLD TIME	The time that the Sensor will turn off (if you choose stand-by level is 0) or dim the light to a low level after the area is vacated	STAND-BY DIM	Sets the output level of connected light(s) during vacancy. The sensor will regulate the lighting output at the set level. Setting the STAND-BY DIM level at 0 means light full off during vacancy.
DAYLIGHT SENSOR	Natural light level settings for sensor.	STAND-BY TIME	The time that the Sensor will keep the light at low dim level after the HOLD TIME elapsed.












ORDERING INFORMATION

Catalog Part Number	Order Number	Description
BCB-RCOP	70224101	Remote Control Occupancy Programmer to control these sensors: Plug-In DC Occupancy Sensor (QI-MW-OCC) and Plug-In PIR Sensor (QI-PIR-OCC), and Boost Center Basket Motion Sensor (BCB-MS)

BUTTON OPERATION

BUTTON	DESCRIPTION	BUTTON	DESCRIPTION
	Press the  button, the light goes to permanent on or permanent off mode, and the sensor is disabled. (MUST press  button to quit this mode for programming. Remote control must be pointed directly at sensor.)		Activates sensor functions. All settings remain the same as the status prior to switching to on/off.
	Displays the current parameters (LED indicators will highlight current settings).		Tests sensitivity. After you choose sensitivity thresholds, then you press  button. The sensor goes to test mode (hold time is only 2s), stand-by period and daylight parameters are disabled. Press  button to quit.
	Press the  button for all the settings to go back to the factory parameters.		
 	Navigate Up and Down to choose selected parameters (LED indicators will highlight current settings).	 	Navigate to LEFT and RIGHT to choose selected parameters (LED indicators will highlight the current settings).
	Confirms the parameters selected.		Activate/deactivates smart daylight Sensor. Press  or  for desired set point light on and set point light off. NOTE: Disabled is factory setting.
	Transmits current parameters to sensor(s). The LED light will turn on then off to confirm upload is complete.		
   	4 Scene modes for custom parameters.		

Change multiple settings of sensor(s)

- Press . LED indicators will highlight current settings.
NOTE: if you push  button before, you must push  button to unlock the sensor.
- Press  or  to navigate to desired parameter, LED indicators will flash to highlight current setting.
Navigate to the desired setting by pressing    .
- Press OK to confirm and save.
- Point directly at desired sensor and press  button to upload the new settings. The LED light will turn on then off to confirm upload is completed.
NOTE: if you press  button, the LED indicators will highlight current settings.

Change multiple setting of sensors with smart photocell sensor Open

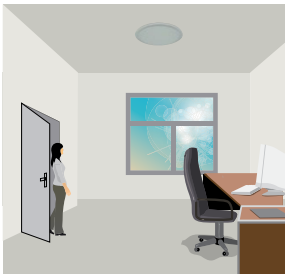
1. Press **(DISP)**. The LED indicators will highlight current parameters.
2. Press **(▲)** or **(▼)** to navigate to desired parameter, LED indicators will flash to highlight current setting.
3. Press **(IT)**. 2 LED indicators will flash in daylight sensor settings, select daylight **(10)** **(30)** **(50)** as setpoint to light on Automatically, select daylight **(100)** **(300)** **(500)** as setpoint to light off Automatically.
4. Press **(OK)** to confirm all settings and saving.
5. Point directly at desired sensor and press **(SEND)** to upload the new settings. The LED light will turn on then off to confirm upload is completed.

NOTE: **(IT)** is disabled by default.

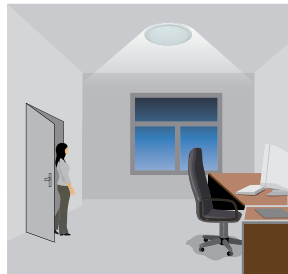
1. Activate/deactivate the smart daylight sensor by pushing **(IT)**.
2. When the smart daylight sensor is activated, an LED indicator will flash in daylight sensor setting. Select daylight **(10)** **(30)** **(50)** as setpoint for light to turn on Automatically. Select daylight **(100)** **(300)** **(500)** as setpoint for light to automatically turn off.
3. When the smart daylight sensor is activated, the stand-by time is only **(+∞)**
4. The smart daylight sensor can replace a photocell and works independently.
5. See **Daylight Sensor Function**.

Corridor Function

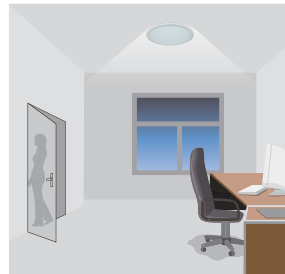
This function takes into consideration natural light conditions and motion for optimal performance and reduced energy usage. The sensor offers 3 performance levels: 100% to dimmed light (natural light is insufficient) to off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable daylight threshold and freedom of detection area.



With sufficient natural light, the light does not turn on when presence is detected.



With insufficient natural light, the light turns on when presence is detected.



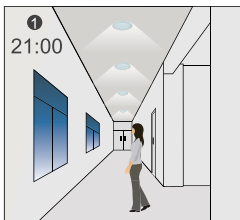
After hold-time, the light dims to stand-by level if the surrounding natural light is below the daylight threshold.



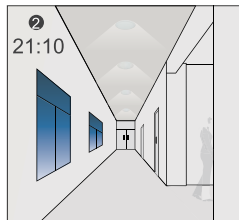
Light switches off automatically after the stand-by period elapses.

Daylight Sensor Function

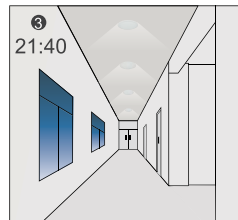
Open the daylight sensor by pushing **(IT)**



The light switches on at 100% when there is movement detected.



The light dims to stand-by level after the hold time.



The light remains at dimming level at night.

Settings on this demonstration:

Hold-time: 30min.

Setpoint to light on: 50 lux (4.6fc)

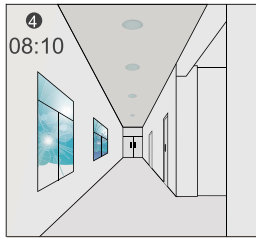
Setpoint to light off: 300 lux (28fc)

Stand-by Dim: 10%

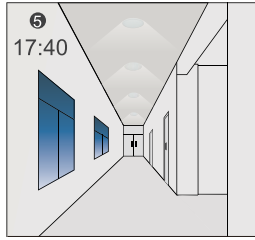
Stand-by period: +∞

(when the smart photocell sensor open, the stand-by time is only +∞)

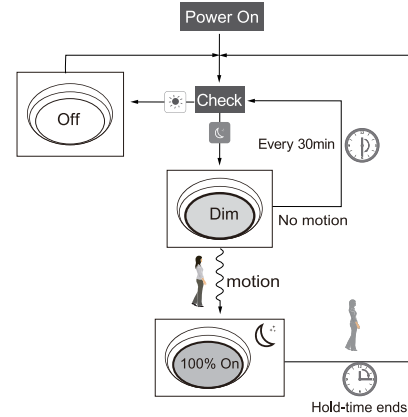
① ↔ ③ goes in cycle at night ...
100% on when movement detected, and dims to 10% in long absence.



When the natural light level exceeds setpoint off to light, the light will turn off even if when the space is occupied.



The light automatically turns on at 10% when natural light is insufficient (no motion).



Corridor Function VS Daylight Sensor Function.

- In corridor function: light turns on when natural light lux is below daylight sensor setting and motion is detected.
In smart daylight function: light turns on when natural light lux is below setpoint or if there is a vacancy.
- In corridor function: light turns off when stand-by time is exhausted.
In smart daylight function: light turns off when natural light lux is higher than setpoint even if space is occupied.
- In smart daylight function when natural light lux is below/above threshold for at least (1) minute, light will automatically turn on/off.

About RESET and MODE (1,2,3,4)

The remote control comes with 4 Scene MODES which allow you to configure custom parameters and settings based on application and quickly upload to reduce commissioning time.

RESET: All settings will revert back to factory defaults.

SCENE MODES (1,2,3,4)

Application	Scene Options	Brightness	Detection Area	Hold Time	Stand-by Time	Stand-by Dim Level	Daylight Sensor
Indoor	Mode 1	100%	75%	5min	30min	30%	☀️
Indoor	Mode 2	100%	75%	1min	+∞	30%	☀️
Indoor	Mode 3	100%	75%	5min	30min	30%	30lux (2.8fc)
Outdoor	Mode 4	100%	75%	1min	+∞	30%	☀️ 30lux/300lux (2.8fc/28fc)

Change the MODES:

- Press **MODE1**/**MODE2**/**MODE3**/**MODE4** button, the remote control LED indicators show existing parameters.
- Press **▲**/**▼**/**◀**/**▶** to select the new settings.
- Press **OK** to confirm and save all settings.

UPLOAD

The upload function allows you to configure the sensor(s) with all parameters and settings in one operation.

Upload the current parameters to sensor(s), and duplicate the sensor settings from one to another

- Press **DISP** button or press **MODE1**/**MODE2**/**MODE3**/**MODE4**. LED indicators will highlight current parameters.

Note: check if all settings are correct. If not, change them.

- Point directly at desired sensor and press **SEND** button. The LED light will turn on then off to confirm upload is completed.

Note: if other sensor needs same parameters, just aim at the sensor and press **SEND** button.