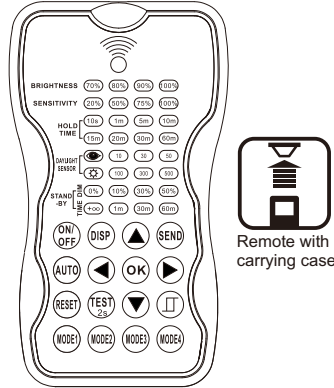


Specifications:

Power supply	2 x AAA 1.5V battery (not included)
Carrying Case	RC-100 in carrying case
Working range	Up to 15 meters
Operating temperature	0°C ~ 50°C
Dimensions	123 x 70 x 20.3mm



Attention: Please remove the batteries from the compartment if the remote control won't be used for more than 30 days.

Introduction:

The MG-HBREM is designed to work in conjunction with the MG-HBPIR sensor. It is a wireless IR configuration tool that allows the user to configure and modify settings of the PIR sensor. The remote control IR signal can reach up to 15 meters. To speed up the configuration, the remote control can store up to 4 PIR parameter modes. The device can display previous sensor settings, copy, send settings or store set profiles. Being able to copy/paste identical settings for multiple fittings, will ease the workflow for big projects that use identical settings for more devices.

LED Indicators:

LED	Description	LED	Description
Brightness	Set lux level of the fitting		Set the current surrounding lux level as the daylight threshold
Sensitivity	Set PIR sensor sensitivity		Set the daylight sensor in OFF position. All movement will now trigger the PIR sensor regardless of the natural light brightness
Hold Time	The time that the sensor will turn off or dim the light after the area is vacated.	Stand-by Dim	Set the output light level of the fitting during vacancy. The PIR sensor will regulate the lighting output at the set level. Setting the stand-by dim to 0 means that the light will be OFF during vacancy
Daylight Sensor	Set various thresholds of natural light level for the PIR sensor.	Stand-by Time	Set the time that the PIR sensor will keep the light dimmed after the HOLD TIME setting elapsed

Button Operation

Button	Description	Button	Description
	Set the light in permanent ON or permanent OFF position. The PIR sensor will be disabled		Set the current surrounding lux level as the daylight threshold
	Display the current/latest setting in LED indicators (the buttons with the latest settings will have the LED indicator on)		After choosing the sensitivity threshold, press once on the to test the sensitivity chosen. The PIR sensor will activate the test mode for 2sec. At the same time, the stand-by period and the daylight sensor are disabled. Press to exit this mode.
	Set the PIR sensor to factory default settings		Use the LEFT/RIGHT arrows to choose the desired settings from the LED indicators
	Press to Enter in Setting mode. The settings LEDs will start flashing. Use the UP/DOWN arrows to choose the desired setting.		Confirm the selected setting in the remote control
	By pressing the button, the remote control will send current selected settings to the PIR sensors. The light will flash once to confirm the change		Press to open or close the smart daylight sensor. Press to enter in setting mode. The selectable parameter LEDs will flash. Press again to close or open the daylight sensor
	Select one of the four preset settings that are available. The settings can be changed and saved as custom modes		

Setting the PIR sensor(s):

All PIR sensor settings and parameters are changeable through the remote control only. The LTHBREM can change, store or factory reset the settings of the PIR.

Changing multiple settings of the sensor(s):

1. Press and the remote control LEDs will indicate the latest set settings.
2. Press to enter setting mode, the LEDs that indicates the selectable settings will start flashing. Navigate to the desired setting by pressing .
3. Press to confirm selected setting and save.
4. Point the remote control to the targeted PIR sensor and press to upload the setting into the sensor. The LED light which the sensor is connected to will flash once to confirm the new setting.

NOTE: To enter the setting mode press .

NOTE: The LED light which the sensor is connected to will flash once to confirm the new setting.

NOTE: By pressing the remote control will display the current/latest setting that were sent.

Changing multiple settings of the sensors with the PIR sensor open.

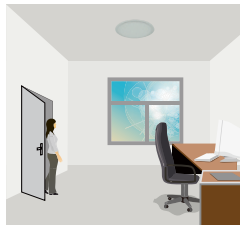
1. Press **DISP** and the remote control LEDs will display the current/latest setting.
2. Press **▲** or **▼** to enter setting mode. The LEDs that indicates the selectable settings will start flashing.
3. Press **⏏**, two lux LED indicators will start to flash. In daylight sensor settings, select **10** **30** **50** lux as the low threshold for the light to turn on automatically. Select **100** **300** **500** lux as the high threshold for the light to turn off automatically.
4. Press **OK** to confirm all settings and save.
5. Point the remote control to the targeted PIR sensor and press **SEND** to upload the setting into the sensor. The LED light connected to the sensor will flash once to confirm the new setting.

NOTE: ⓘs disabled by default.

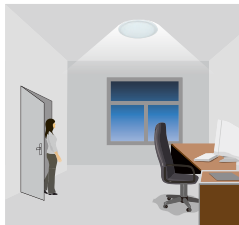
1. Open or close the smart daylight sensor by pressing **⏏** when the remote control is in setting condition.
2. When the smart daylight sensor is open, the stand-by time can only be **+∞**.
3. The smart daylight sensor will operate independently when activated.
4. See **Daylight Sensor Function** for more information.

Corridor Function:

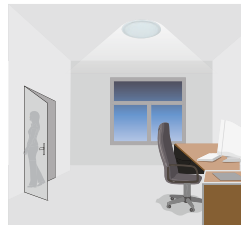
By having a tri-level control, the MG-HBPIR can be mounted in different environments. The PIR sensor can be set to trigger when there is insufficient natural light. After the trigger, the PIR can be programmed to dimm the light up to 2 times, eventually the light will turn off if the PIR will not be triggered again.



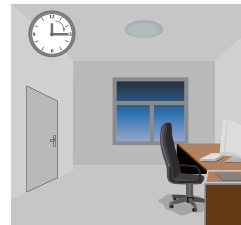
1. Off
With enough natural light the PIR will not trigger when presence is detected.



2. Hold Time
After the lux threshold is reached, the PIR will automatically trigger when presence is detected.



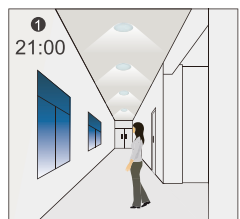
3. Stand-by
Once movement is no longer detected the light will dimm to the pre-set lux level.



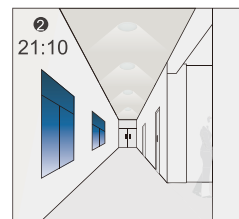
4. Off
The light will switch off after the stand-by period.

Daylight Sensor Function:

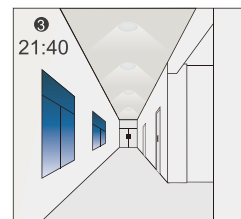
Open the daylight sensor by pushing **⏏** when the remote control is in setting condition.



Light turns ON when movement is detected.

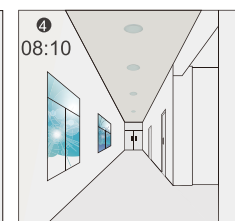
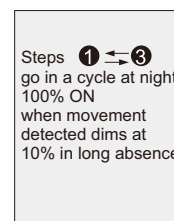


Light dims to stand-by level after the hold time.

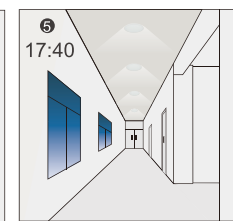


Light keeps its dimming level at night.

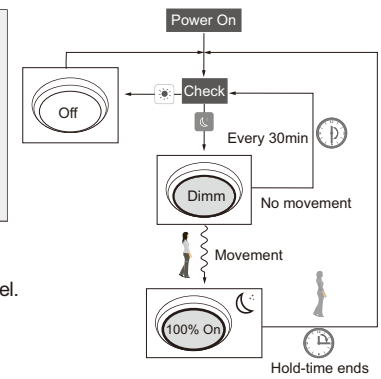
See the settings used for this example below:
Hold-time: 30min
Set point on: 50lux
Set point off: 300lux
Stand-by Dim: 10%
Stand-by period +∞
(When the photocell sensor is open, the stand-by time is +∞)



When natural light exceeds the preset level the light will stay off even if movement is detected.



Light turns on at 10% automatically when natural light is under the preset level.



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

MODE (1,2,3,4): The remote control comes with 4 customizable scene MODES. Set up desired parameters for the sensor and save them as a new MODE(1,2,3,4).

RESET: All sensor settings go back to factory default settings.

Factory Default Scene Modes

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
Outdoor	Mode 4	100%	75%	1min	+∞	30%	⏏️ (30LUX/300LUX)

Change the MODES:

1. Press **MODE1** / **MODE2** / **MODE3** / **MODE4** button and the remote control Led indicators will show the current parameters.
2. Press **▲** / **▼** / **◀** / **▶** to select the new parameters.
3. Press **OK** to confirm all parameters and save in the mode.

UPLOAD

The upload function allows you to configure the sensor with all parameters in one operation. You may select CURRENT SETTING parameters or the MODE for uploading.

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

1. Press **DISP** button or press **MODE1** / **MODE2** / **MODE3** / **MODE4** and all parameters will be displayed on the remote control.
2. Aim at the new sensor and press **SEND** button. The light connected to the sensor will turn on and off confirming a successful upload.

Note: To upload the same parameters to multiple sensors, just aim at the desired sensor and press **SEND** button.