

Toughbay Retrofit Microwave dimming Sensor: LEV71807BLK

For use with Toughbay Retrofit. **The default settings below cannot be changed on the sensor manually.**

**Default settings are: Detection area 75%, Hold time 5S, Stand-by Period: 0S, Stand-by dim level: 10%, Daylight sensor: Disable.**

**To commission or adjust settings for individual requirements or individual applications;**

Please order LEV71808 Hand Held Remote(one remote can be used for multiple sensors)

To avoid interference between luminaires with sensors installed, we recommend the minimum distance between each luminaire is 3m.

## SPECIFICATION:

Input Voltage	220-240V~50/60Hz
Rated Load	800W-Inductive/1200W-Resistive
Surge current of load	50A (50% I peak, twidth =500u5, 277Vac full load, cold start); BOA (50% I peak, twidth =200u5, 277Vac, full load, cold start)
Detection area	100%/75%/50%/25%
Hold Time	5s/30s/1 min/3min/5min/10min/20min/30min
Daylight Sensor	51ux/15Lux/30Lux/50Lux/1001ux/1501ux/Disable
Standby Period	0s/105/1 min/3min/5min/1 0min/30min/+
Stand-by dimming level	10% / 20% / 30% / 50%
Sensor principle	Microwave motion detector
Microwave frequency	5.8GHz±75MHz, ISM wave band
Mounting height(sensor)	49.2 ft (15m) Max.(when mounted at 15m, do not set detection area 25% or 50%, it will not detect correctly)
Detection angle	150°(Wall installation), 360°(Ceiling installation)
Motion detection	1.6-3.3 ft/s(0.5-1 m/s)
Operating temperature	-35°C-55°C
IP rating	IP65 (INDOOR USE ONLY)
Factory Setting	Detection area:75%,Hold time:5s, Stand-by Period: 0s, Stand-by dim level:10%, Daylight Sensor: Disable

## FAQ'S

QUESTION	CAUSE	REMEDY
THE LUMINAIRE WILL NOT COME ON	INCORRECT DAYLIGHT SENSOR SETTING SELECTED	ADJUST SETTING
	LOAD HAS FAILED	REPLACE LOAD
	POWER IS SWITCHED OFF	SWITCH ON POWER
THE LOAD IS PERMINANTLY ON	CONTINUOUS MOVEMENT IN DETECTION AREA	CHECK DETECTION AREA SETTING
	THE LUMINAIRE IS INSTALLED IN AN AREA TO CLOSE TO REFLECTIVE SURFACES i.e. GLASS, METAL OR CONCRETE WALLS	1. ENSURE THAT LUMINAIRE IS INSTALLED WITH A MINIMUM 100CM SPACE BETWEEN ANY REFLECTIVE SURFACES 2.REDUCE SENSITIVITY(DETECTION AREA)
WILL NOT ILLUMINATE EVEN THOUGH THERE IS MOVEMENT	SPEED OF MOVING OBJECT IS NOT IN THE RANGE OF 1.6-3.3FT/S OR THE DETECTION RADIUS IS TOO SMALL	CHECK DETECTION SETTINGS
THE REMOTE CONTROL IS NOT WORKING	BATTERY IS DEAD	REPLACE BATTERY
	THE REMOTE CONTROL IS NOT ALIGNED WITH THE SENSOR	CHANGE THE POSITION/ANGLE OF THE REMOTE/CHECK TOGGLE BUTTON SETTING FOR CORRECT HEIGHT

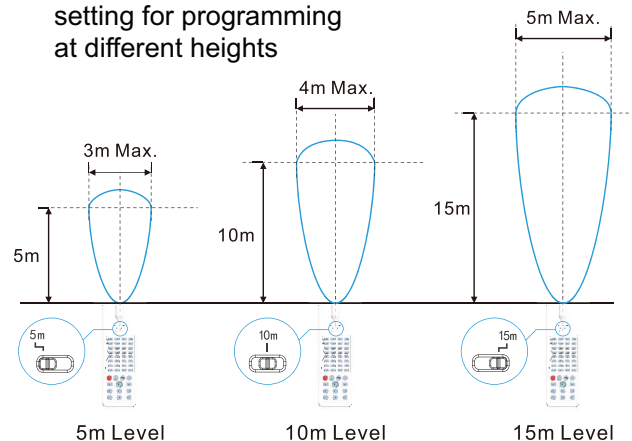
# LEV71808

Microwave Sensor Remote Control for LEV71807BLK user manual  
3VDC/2 x 1.5V AAA



Remote Control Setting	Button	Remarks																												
	ON/OFF	Press the "ON/OFF" button, the light goes to constant on/off mode, sensor is disabled. Press any button to quit from this mode and the sensor starts to work.																												
	Reset	Press "Reset" button, all parameters are same as factory settings.																												
	Sensor motion	Press "Sensor motion" button, the light quits from the constant on/ off mode, and the sensor starts to work ( The latest setting stays invalid)																												
	DIM Test	Press "DIM Test" button, the 1-10 V dimming works to test whether the 1-10Vdc dimming ports are connected properly. After 2s, it returns to the latest setting automatically.																												
	DIM+ DIM-	Short press "DIM+ /DIM-" button to transmit dimming signal. The brightness of the lamp adjusts at 5% per unit. (only apply for sensor with daylight harvesting function)																												
	DH Mode	Long press >3s, sensor will take current light level as target lux level, to dim up/down load automatically according to the change of ambient light level. (only apply for sensor with daylight harvesting function)																												
	Q1 Q2 Q3	<table border="1"> <thead> <tr> <th>Scene Options</th> <th>Detection Area</th> <th>Hold Time</th> <th>Stand-by period</th> <th>Stand-by dim level</th> <th>Daylight Sensor</th> <th>Induction model</th> </tr> </thead> <tbody> <tr> <td>QS1</td> <td>100%</td> <td>30S</td> <td>1min</td> <td>10%</td> <td>5Lux</td> <td>Hs</td> </tr> <tr> <td>QS2</td> <td>100%</td> <td>1min</td> <td>3min</td> <td>10%</td> <td>10Lux</td> <td>Hs</td> </tr> <tr> <td>QS3</td> <td>100%</td> <td>5min</td> <td>10min</td> <td>10%</td> <td>30Lux</td> <td>Hs</td> </tr> </tbody> </table> <p>Note: Detection area / Hold time / Stand-by period / Stand-by dim level / Daylight sensor can be adjusted by pressing the corresponding button. The latest setting will stay valid.</p>	Scene Options	Detection Area	Hold Time	Stand-by period	Stand-by dim level	Daylight Sensor	Induction model	QS1	100%	30S	1min	10%	5Lux	Hs	QS2	100%	1min	3min	10%	10Lux	Hs	QS3	100%	5min	10min	10%	30Lux	Hs
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	TEST 2S	Press the "TEST 2S" button can enter the test mode anytime. At the mode, the sensor parameters as below: Detection Area is 100%, Hold Time is 2s, Stand-by Dim Level is 10%, Stand-by Period is 0s, daylight sensor disable. This function only for testing. Quit the mode by pressing "RESET" or any other function buttons.																												
	HS LS	Press "HS" button to set the detection area to be high sensitive. Press "LS" button to set the detection area to be low sensitive. The adjustment based on the "Detection Area" parameter you set.																												
	Daylight Sensor	Set up daylight threshold: 5Lux/15Lux/30Lux/50Lux/100Lux/150Lux/ Disable																												
	Stand-by period	Set up stand-by time: 0S/10S/1min/3min/5min/10min/30min/+∞																												
	Hold time	Set up hold time: 5S/30S/1min/3min/5min/10min/20min/30min																												
	Stand-by dim level	Set up stand-by dim level: 10%/20%/30%/50%																												
	Detection Area	Set up detection area: 25%/50%/75%/100%																												
	Remote Distance	Toggle button can set the distance between the remote control and sensor.																												

## Recommended distance setting for programming at different heights



Note: False triggering can occur when a fitting/sensor is installed too close to a large solid object i.e. wall. If this happens reduce the detection area sensitivity/percentage to resolve this. It is recommended by the manufacturer that this product is installed a minimum of 1 Metre away from any solid object i.e. wall/steel work or glass.