ENER-J®
Smart Home Living

Infrared Remote controller
with 16 buttons to control T381 Sensor

16

16 Buttons
(Presets)

Timer Function
(Presets)

Microwave Sensor
Multiple Sensor Control

SKU: T382:
Infrared Remote controller

Model No: RC-100

BRIGHTNESS 70% 80% 90% 100%
SENSITIVITY 20% 50% 75% 100%
HOLD TIME 10s 1m 5m 10m
           15m 20m 30m 60m
DAYLIGHT SENSOR 👁 10 30 50
                 ☼ 100 300 500
STAND-BY 0% 10% 30% 50%
TIME DIM +∞ 1m 30m 60m

ON/OFF DISP ▲ SEND
AUTO ◄ OK ►
RESET TEST 2s ▼ ⊓
MODE1 MODE2 MODE3 MODE4
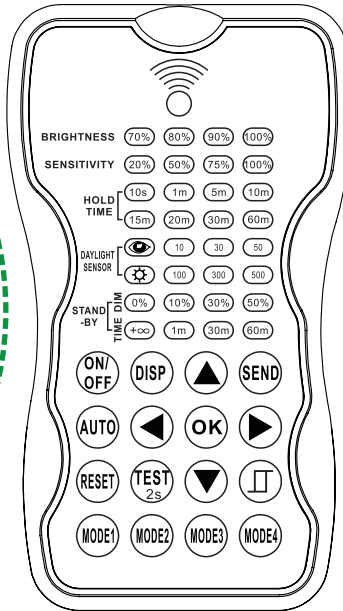
REMOTE
with carrying case

SAA APPROVALS®   CE
TÜVRheinland ZERTIFIZIERT   CB

* PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLATION
LEAVE A COPY FOR THE USER / MAINTENANCE ENGINEER FOR FUTURE REFERENCE

Introduction

Infrared Remote for Microwave Sensor (T381) with 16 buttons. Pre-set settings & Timer to control the Microwave Sensor with a touch of a button. 1 remote can control multiple microwave sensors.

Overview

The remote control Wireless IR Configuration Tool is a handheld tool for remote configuration of IR-enabled fixture integrated sensors. The tool enables device to modify via pushbutton without ladders or tools, and stores up to four sensor parameter modes to speed configuration of multiple sensors. The remote control send sensor setting at mounting height 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.

WARNING

NOTE: Warm up time is 15 seconds. After the sensor connects input power first time, the light will keep on 15 seconds, then go to dimming to work normally.

NOTE: Factory Default Setting: 100% sensitivity, Hold on time: 5min, Daylight sensor is <t, Dimming level:30%, Dimming time: 60 minitues.

NOTE: Any setting changed by remote control, the led light that sensor connect will on/off as confirm.

Technical Specifications:

Model No.:	RC-100
SKU Code	T382
Power supply	2 x AAA 1.5V battery, Alkaline preferred
Carrying case	RC-100 in carrying case
Upload range	Up to 15 m (50 ft.)
Op. temperature	0˚C~50˚C (32˚F~122˚F)
Dimensions	123 x 70 x 20.3 mm (4.84" x 2.76" x 0.8")

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

Led Indicators

LED	DESCRIPTION	LED	DESCRIPTION
BRIGHTNESS	High end trim turning function (To Set the output level of connected lighting during occupancy)	👁	To select the current surrounding lux value as the daylight threshold. This feature enables the fixture to function well in any real application circumstances.
SENSITIVITY	To set the occupancy sensing sensitivity of the Sensor	☼	The daylight sensor stops working, and all motion detected could turn on the lighting fixture, no matter how bright the natural light is.
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**	To set the output level of connected lighting 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	To represents various thresholds of natural light level for the Sensor.	**STAND-BY TIME**	To represents the time that the Sensor will keep the light at low dim level after the HOLD TIME elapsed.

SETTING

The SETTING Content contains all available settings and parameters for remote sensors. It allows you to change the available control, parameters, and operation of the sensor from factory default or current parameters.

Change multiple settings of sensor(s)

1 Press **DISP** button, the remote control leds will show the latest parameters you set.
NOTE: if you push **ON/OFF** button before, you must push **AUTO** button to unlock the sensor.

2 Press **▲** or **▼** enter in the setting condition, the parameter leds of remote control will flash to be selected, navigate to the desired setting by pressing **▲▼◄►** to select the new parameters.

3 Press ok to confirm all setting and save.

4 Aim at the target sensor and press to upload the new parameter, the led light which the sensor connects will on/off as confirm.

NOTE: The setting works key step is by Push **▲** or **▼**, **enter in the setting condition.**
NOTE: The led light which the sensor connects to will flash on/off to confirm receiving the new parameters.
NOTE: If you press **DISP** button, the remote led indicators will show the latest parameters which were sent.

Button Operation

Button	DESCRIPTION	Button	DESCRIPTION
ON/OFF	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 Setting.	**AUTO**	Press ⊕ button, the sensor starts to function and all settings remain the same as the latest status before the light is switched on/off.
DISP	Display the current or lastest setting parameters in LED indicators(the LED indicators will on for showing the setting parameters).	**TEST 2s**	The button ⊕ is for testing purpose sensitivity only. After you choose sensitivity thresholds, then you press ⊕ button. The sensor goes to test mode (hold time is only 2s) automatically, meanwhile the stand-by period and daylight sensor are disabled. Press ⊕ button to quit from this mode.
RESET	Press ⊕ button, all settings go back to settings of dip Switch in sensor.		
▲ ▼	Enter in the setting condition, the parameter LEDs of remote control will flash to be selected, and Navigate to UP and Down for choose selected parameters in LED indicators.	**▲ ▼**	Navigate to LEFT and RIGHT, for choosing the selected parameters in LED indicators.
OK	Confirm the selected parameters selected parameters in remote control.	**⊓**	Open and close smart daylight Sensor. Press ▲ or ▼ Enter in the setting condition, the parameter leds of remote control will flash to be selected, Press ⊓ for open or close smart daylight Sensor.
SEND	Press ⊕button, upload the current parameters to sensor(s), the led light which the sensor connects will on/off as confirm.		
MODE1 MODE2 MODE3 MODE4	4 Scene modes with preset parameters which are available to be changed and saved in modes.		

Change Multiple Setting Of Sensors With Smart Photocell Sensor Open

1 Press ⊕ the remote led indicators will show the latest parameters.

2 Press ▲ or ▼ enter in the setting condition, the parameter Led indicators of remote control will flash to be selected.

3 Press ⊓ 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 setting and saving.

5 Aim at the target sensor and press ⊕ to upload the new parameter. The led light which the sensor connects will on/off.

NOTE: ⊓ is disabled by default.

1 Open or close the smart daylight sensor by push ⊓ when remote control is in setting condition.

2 When the smart daylight sensor open, 2 Led indicators are flash in daylight sensor setting. Select daylight 10 30 50 as setpoint to light on Automatically, select daylight 100 300 500 as setpoint to light off automatically. When smart daylight sensor close, 1 Led indicator is flash in the daylight sensor setting for choose daylight sensor threshold.

3 When the smart daylight sensor open, the stand-by time is only +∞.

4 Smart daylight sensor takes place of normal outdoor daylight senor switch, working independently.

See **Daylight Sensor Function**.
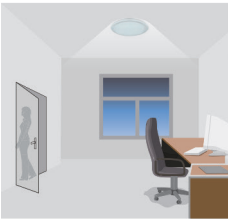

Corridor Function

This function inside the motion sensor is to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%-->dimmed light (natural light is insufficient)--> off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable day light threshold and freedom of detection area.

With sufficient natural light, the light does not switch on when presence is detected.
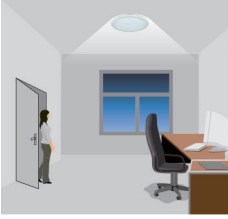
With insufficient natural light, the sensor switches on the light automatically when presence is detected.

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.

Corridor Function VS Daylight Sensor Function.

1 In corridor function, turn on the light MUST by natural light level lower daylight sensor setting and Occupancy. In smart daylight sensor function, turn on the light by natural light level lower daylight setpoint to light on even if vacancy.

2 In corridor function, turn off light by stand-by time finish if vacancy. In smart daylight sensor function, turn off the light by natural light level higher than daylight setpoint to light off eve if occupancy.

3 In smart daylight sensor function, natural light level lighter/lower than daylight setpoint to light off/on MUST keep at least 1mintue,that will turn off/on the light automatically.

Power On

Off

Check

Every 30min

Dim
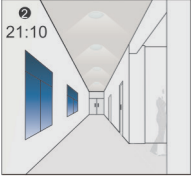
No motion

motion

100% On

Hold-time ends
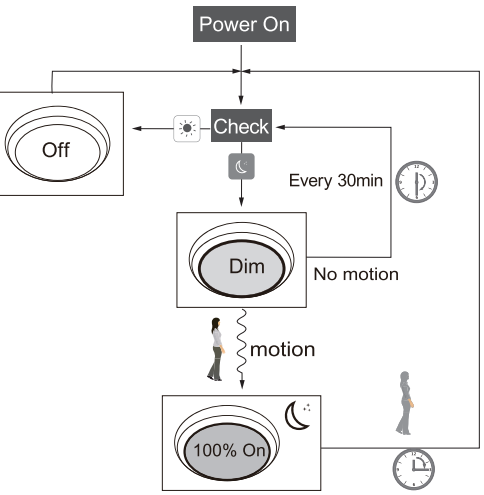
Simply remove the PC cover in the center of the light and plug-in the Microwave sensor. Different settings to control the sensor/Lights using LUX, sensor distance, timer, etc. Can purchase a remote separately to control multiple sensors from one remote.
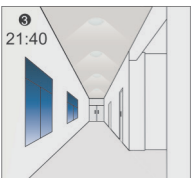
Day Light Sensor Function

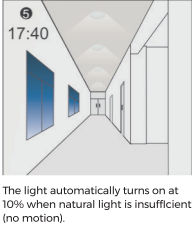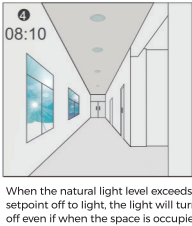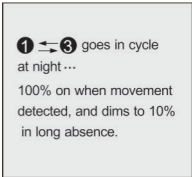Open the daylight sensor by push @ when remote control is in setting condition.

❶ 21:00

The light switches on at 100% when there is movement detected. The light dims to stand-by level after the hold-time.

❷ 21:10

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

❸ 21:40

The light remains in dimming level at night.

❶ ⇄ ❸ goes in cycle at night···
100% on when movement detected, and dims to 10% in long absence.

❹ 08:10

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

❺ 17:40

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

Settings on this demonstration:

Hold-time: 30min Setpoint on:50lux Setpoint off:300lux
Stand-by Dim: 10%
Stand-by period: +∞
(when the smart photocell sensor opens, the stand-by time is only +∞)

Sensor Coverage

13-40ft

Height of installation13-40ft

100%
75%
50%
26° 20° 20° 26°

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

The remote control comes with 4 Scene MODES which are not default. You may make desired parameters and save as the new MODE(1,2,3,4) to configure the installed sensors.

RESET: all settings go back to settings of DIP Switch in sensor.

Change the MODES:

1 Press (MODE1) / (MODE2) / (MODE3) / (MODE4) button,the remote control Led indicators show existing parameters.

2 Press ▲ ▼ ◄ ► to select the new parameters.

3 Press (OK) to confirm all parameters and saving 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. Current setting parameters or the MODE are displayed in Remote control .
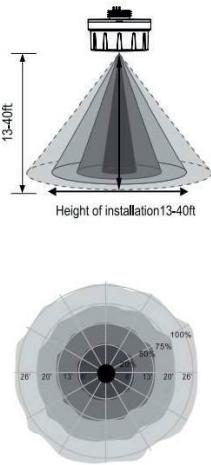
Upload the current parameters to sensor(s),and duplicate the sensor parameters form one to anther

1 Press (DISP) button or press (MODE1) / (MODE2) / (MODE3) / (MODE4), all parameters are displayed in Remote control.

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

2 Aim at the sensor and press (SEND) button, the light that sensor connects will be on/off as confirm.

   Note: if other sensor need same parameters, just aim at the sensor and press (SEND) button.

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

Quick Setting

Press (MODE1) (MODE2) (MODE3) (MODE4), and aim at the sensor, Press (SEND) , The LED light will be on/off as confirm. **Note:** if other sensors need same parameters, just aim at the sensor and press (SEND) button.

Note: if you press (AUTO) to sensor before, you must aim to the sensor, and Press (AUTO) ,to make the sensor work automatically.

Remote Control
Model:WEC-3RC
Power: 2 x AAA

Please recycle batteries

BRIGHTNESS 70% 80% 90% 100%
SENSITIVITY 20% 50% 75% 100%
HOLD TIME 10s 1m 5m 10m
            15m 20m 30m 60m
DAYLIGHT SENSOR ⊙ 15 30 50
                 0 100 300 500
STAND -BY TIME DIM 0% 10% 30% 50%
                     0m 1m 30m 60m

ON/OFF DISP ▲ SEND
AUTO ◄ OK ►
RESET TEST 2s ▼ ⬓
MODE1 MODE2 MODE3 MODE4

Thank you for choosing ENER-J!

Customer satisfaction is our TOP priority. Please let us know how you felt about your experience.

Happy? We are so delighted that you are pleased with our product. Feel free to express your new found joy! Share your experience by writing a review.

Not Happy? If you are not fully satisfied with the item you received, have any problems like damages or questions, please contact us. We typically respond within 24-48 hours.

Stuck? Confused?

Contact our Technical Support team on:
T: +44 (0)1291 446 105 | E: support@ener-j.co.uk
Lines are open Mon - Fri (8am to 4pm)