

**THE JUPITER HIGH-BAY MICRO-WAVE SENSOR (NJP/PLUG-IN/MW/SENSOR)
 &
 THE JUPITER HIGH-BAY INFRA-RED PROGRAMMING HANDSET (NJP/MW/PROG/HS)
 Issue 2 on 22nd December 2021**

These instructions are in addition to the standard luminaire instructions that were also supplied with the product you have purchased. They should be read carefully & luminaire installed as per both sets of instructions, then pass on to the appropriate person for retention for future reference & maintenance.

DESCRIPTION

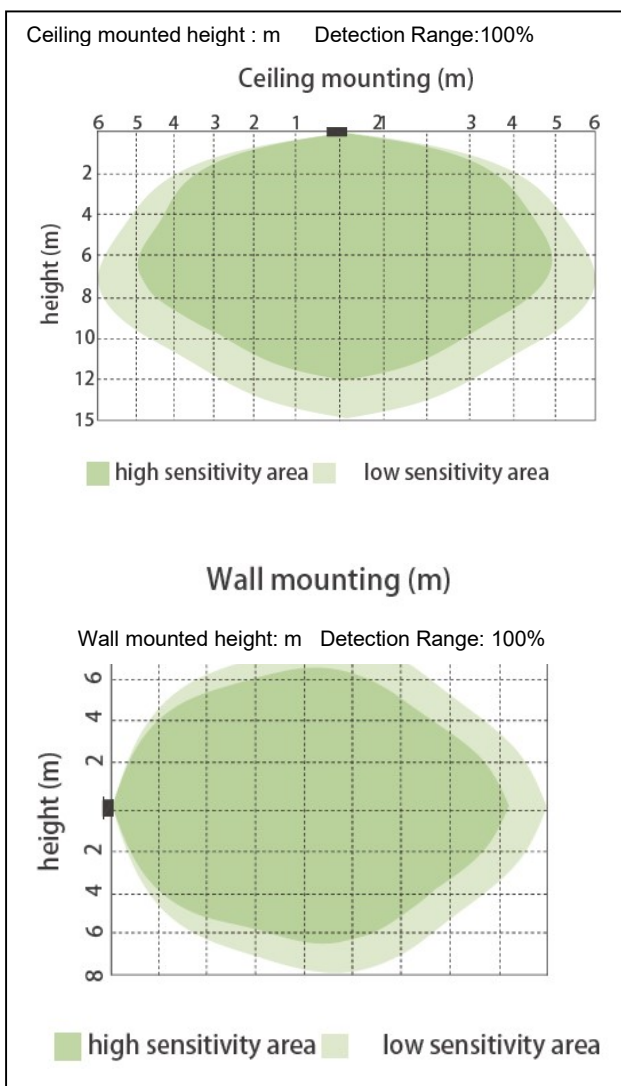
The micro-wave sensor provides occupancy detection, a 1-10V dimming control signal that is compatible with the driver in the fitting and several other features, all of which are programmable via the infra-red programming handset, ordered separately.

To order additional sensors or handsets, please use the following part numbers:

- Sensor: NJP/PLUG-IN/MW/SENSOR
- Handset: NJP/MW/PROG/HS

Installation

The sensor is installed by removing the centre front cover of the high-bay fitting and plugging in the sensor with a quarter turn to lock it in place. This does not affect the IP rating of the fitting. The MW sensor is programmed by use of the infra-red handset pictured overleaf.



- The diagram is based on a ceiling mounting height. Note that the lower the sensor is installed, the smaller the detection range will be.
- If wall mounted, the detection zone will vary depending on the surroundings but perpendicular reach will be at least 12m
- The area closest to the sensor & also the area more perpendicular to the sensor will have higher sensitivity.
- The distances quoted are approximate & may vary depending on surroundings
- Avoid direct sunlight entering the sensor.
- Do not site within 1m of forced air heating or ventilation.
- Do not fix to a vibrating surface.
- Avoid metallic objects directly in front of the sensor head.



PROGRAMMING

The sensor can be programmed via the infra-red handset to perform a number of lighting control functions, as follows:

To operate the handset:

- Check it has batteries installed. These are supplied with the handset.
- Point the handset towards the sensor you wish to programme. Press the appropriate button on the handset. When the fitting receives a command from the handset the fitting flashes on/off to show a command has been received.
- Note that the effective range of the handset is 12-15m

Please note:

The handset can be used with several different sensors, each with different functionality and for use in different lighting control applications. Therefore, not all the buttons on the handset are effective for use with the JUPITER sensor. Please do not attempt to use any handset buttons except those described below.

Manual on/off control

Press the red ON/OFF button. This places the fitting under manual control. Pressing this button switches the fitting on and off. To end manual control, press Auto Mode, RESET or one of the scene buttons (SC1, SC2 etc)

Auto mode

Pressing this takes the fitting out of manual control. It will now function according to whatever settings have been programmed in the sensor.

Reset

Pressing the Reset button returns the sensor to the original factory settings.

Power 100% / Power 80%

Press either of these two buttons to select the power-up output level of the fitting. When the fitting switches on it will power up to 100% or 80%, according to the button you have pressed. Powering up to 80% is an energy saving option. 80% can also be used when a fitting is new, but as lumen depreciation sets in as the fitting ages the power-up level can be increased to 100% in compensation.

Dim+ / Dim-

A long press on these buttons causes the fitting to dim up (get brighter) or dim down (get dimmer). This is used to manually adjust the output of the fitting.

Detection range

Select 100%, 50% or 10%. At 100% the micro-wave occupancy sensing will be at maximum sensitivity (and longest range). At 10% the sensor will be at its least sensitive.

Stand-by dimming level

This is the light output that the fitting will revert to when presence is no longer being detected and the hold time has elapsed.

Hold-time

This is the time that must elapse from the last movement being detected till the fitting drops from its power-up level (80% or 100%) down to its stand-by dimming level.

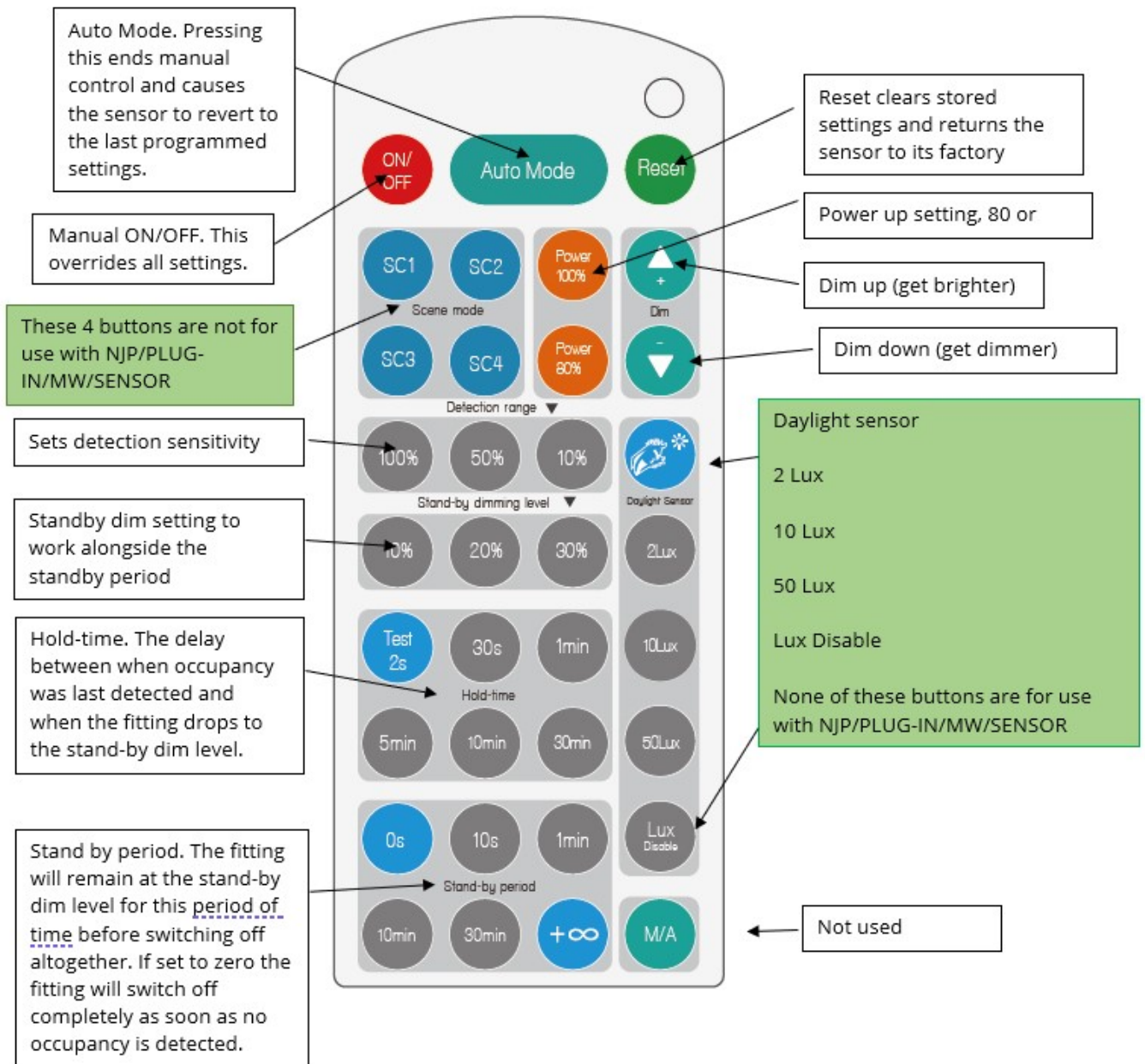
Stand-by period

This is the time that the fitting will remain at its stand-by dimming level before switching off completely.

- If you select "0s" the fitting will switch off directly after the Hold-time has elapsed
- If you select "+∞" the fitting will remain at the Stand-by dimming level indefinitely. When presence is next detected it will dim up to the 80% or 100% level.

The following buttons on the infra-red handset NJP/MW/PROG/HS are NOT for use with the sensor NJP/PLUG-IN/MW/SENSOR- SC1, 2, 3, 4 -these buttons are not for use with the JUPITER sensor.

Daylight sensor, 2 lux, 10 lux, 50 lux, lux disable-these buttons are not for use with the JUPITER sensor. If you press any of these buttons the sensor will react unpredictably. If you experience this, press the Reset button.



RATINGS

Control – 1-10V

Mounting height :15m (detection range 12m x 15m)

Operating Temperature: -20°C ...+60°C

FAULT FINDING

If you are experiencing a problem please check through the following before making contact with NVC:

Fault - Load does not come on

- Check to see if the live supply to the circuit is good.

Fault - Lights do not go off

- Ensure that the area is left unoccupied for longer than the selected timer setting.
- Make sure that the sensor is not adjacent to circulating air, heaters or lamps.
- If the unit “false triggers” reduce the SENSITIVITY level to narrow the area of detection.