

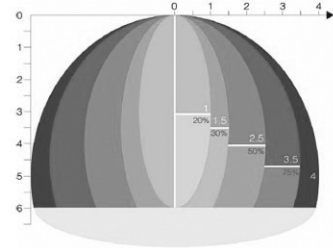
FHL414 Set-up Configuration - Micro Sensor

Fern-Howard luminaires can come with 3 different types of micro-sensor controllers. Please determine which micro-sensor your luminaire has (Type 1, 2 or 3) and follow the relevant set-up instructions below.

Type 1



Detection Area

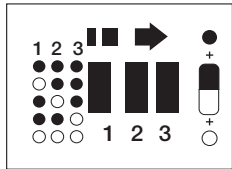
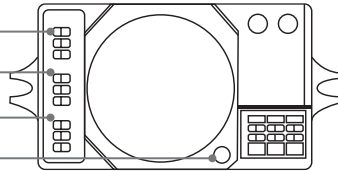


Adjustable Detection Area

Hold Time

Daylight Threshold

Daylight Sensor

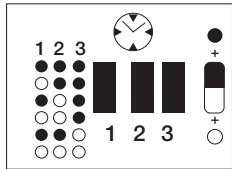


Detection Sensitivity:

This determines the effective range of the motion detector and is set by DIP switches on the sensor itself. Note that reducing the sensitivity will also narrow the detection range.

The following settings are available:

- I - maximum range up to 5m
- II - range up to 3.5m
- III - range up to 2m
- IV - range up to 1.5m
- V - range up to 1m

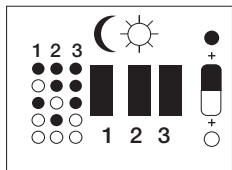


Hold Time:

This determines the length of time the lamp is held on after movement is detected and is set by DIP switches. The walk test setting is useful when installing the fitting to establish correct operation and range.

The following settings are available:

- I - Walk test mode 5s
- II - 30s
- III - 3 minutes
- IV - 5 minutes
- V - 15 minutes
- VI - 25 minutes



Daylight Sensor:

This setting holds the lamp off should there be sufficient daylight and is set using DIP switches on the sensor.

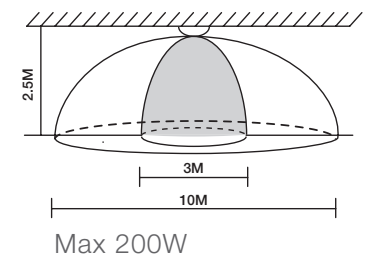
The following settings are available:

- I - 2 Lux darkness operation only
- II - 5 Lux darkness operation only
- III - 20 Lux twilight operation
- IV - 30 Lux twilight operation
- V - daylight, daylight sensor operation disabled

Type 2



Detection Area

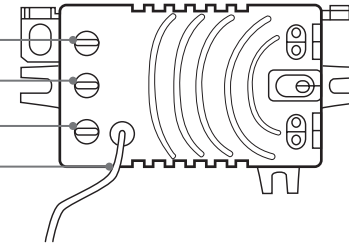


Hold Time

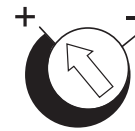
Adjustable Detection Area

Daylight Threshold

Daylight Sensor wire remote



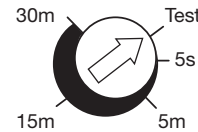
Meter



Sensor Sensitivity:

Adjustable '-' approx. 2M to '+' approx 10M

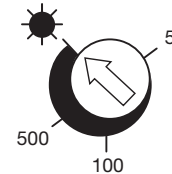
Time



Delay off Time:

5 sec to 30 min range and Test mode

Lux



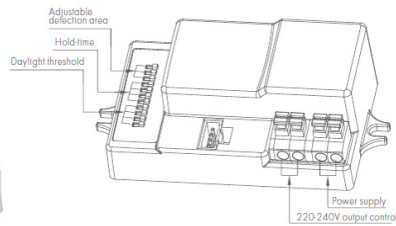
Ambient Light Override:

Approx. 5 Lux to 5 Lux - sensor module can work at dark status only
 - sensor module can work at any light level

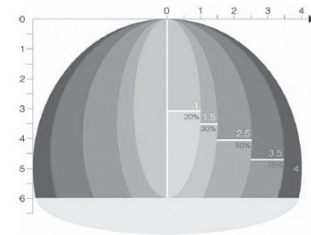
IMPORTANT NOTE: When a setting change on a micro-sensor has been made, the luminaire must be power cycled for the change to take effect.

Set-up Configuration - Micro Sensor

Type 3

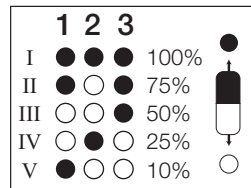


Detection Area



Detection Area:

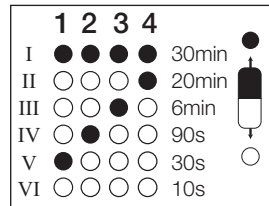
Detection area can be reduced by selecting the combination on the DIP switches to fit precisely for each specific application.



- I - Detection range 100%
- II - Detection range 75%
- III - Detection range 50%
- IV - Detection range 25%
- V - Detection range 10%

Hold Time:

Hold-time means the time period you would like to keep the lamp on 100% after the person has left the detection area.



- I - 30 minutes
- II - 20 minutes
- III - 6 minutes
- IV - 90 seconds
- V - 30 seconds
- VI - 10 seconds

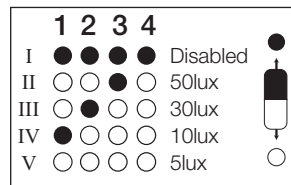
Daylight Sensor:

The daylight threshold can be set on DIP switches, to fit for particular applications.

“Daylight” The lamp works always, even during daylight

“Twilight” The lamp works only in twilight and darkness

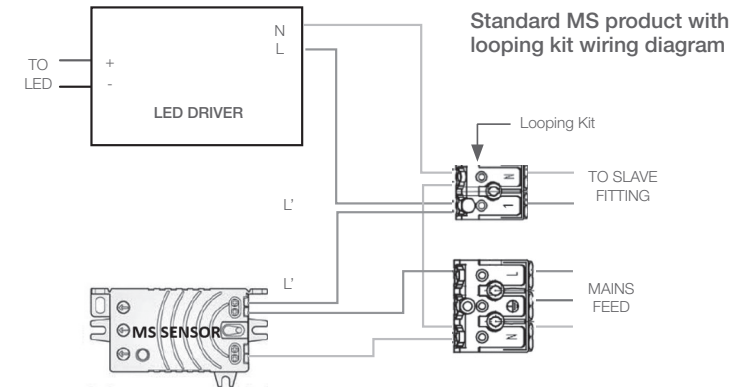
“Darkness” The lamp only works in darkness



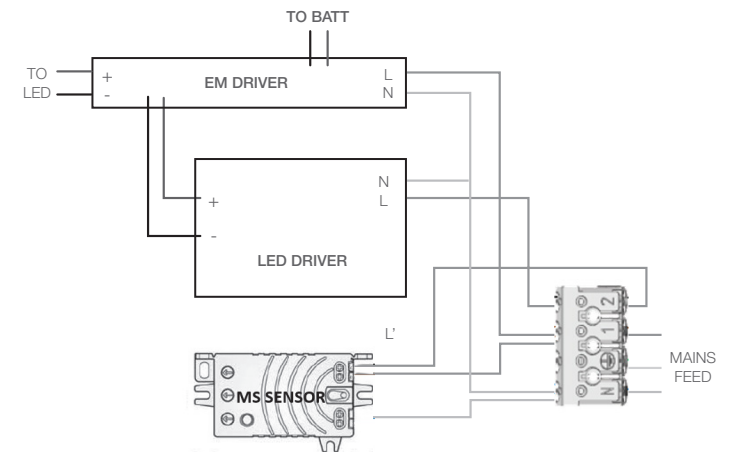
- I - Photocell disabled
- II - 50 Lux daylight operation
- III - 30 Lux daylight operation
- IV - 10 Lux twilight operation
- V - 5 Lux darkness operation only

Master/Slave wiring

To turn your fittings into Master / Slave Units, for STD Fittings – you will need a looping kit – FHS4206 and re-wire the fitting as below:



For EM fittings – use L2 on the 4 way terminal block to take your signal wire to the slave fitting as below:



For more Information call **01420 470 400** email lighting@fernhoward.com or visit www.fernhoward.com