

## INSTALLATION INSTRUCTIONS

### LED Oyster with Microwave Sensor

**Models: LHT0422, LHT0423, LHT0424, LHT0425, LHT0426, LHT0427**

This light has an active motion sensor wired to the internal circuit. It emits a high frequency electromagnetic wave at 5.8GHz and receives their echo. Any change to this echo will activate the light.

This 'Master' fitting can be wired on the same circuit to activate up to 8 more 'non-sensor' Simx LED Oyster fittings. This sensor will not switch different lamp types.

Adjustment of the three setting dials on the sensor is required for optimum operation. This detail is shown below.

#### Reach setting (Sensitivity)

Reach is the term used to describe the diameter of the more or less circular detection zone produced on the ground after mounting the sensor at a height of 2.5m.

Turn the reach control fully anti-clockwise to select minimum reach (approx. 2m dia), and fully clockwise to select maximum reach (approx. 20m dia). Adjust according to location and site requirements.

#### Time setting

The light can be set to stay ON for any period of time between approx. 5sec (turn fully anticlockwise) and a maximum of 12min (turn fully clockwise). Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test.

**NOTE:** after the light switches OFF, it takes approx. 1sec before it is able to start detecting movement again. The light will only switch on in response to movement once this period has elapsed.

#### Light-control setting

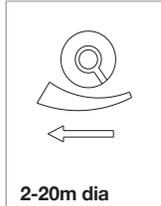
The chosen light response threshold can be adjusted from approx. 2-2000lux. Turn it fully anti-clockwise to select night time operation only.

Turn it fully clockwise to select continuous daylight operation .

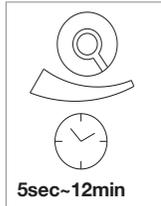
The knob must be turned fully clockwise when adjusting the detection zone and performing the walk test in daylight, then adjust setting according to site requirement.

### ! SENSOR TECHNICAL SPECIFICATIONS

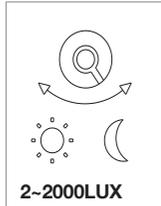
<b>Hf system:</b>	5.8Ghz CW radar ISM band
<b>Transmission power:</b>	<10mW
<b>Max rated load:</b>	300W LED max
<b>Effective mounting height:</b>	Up to 4.0 metres
<b>Detection angle:</b>	360° x 160°
<b>Reach:</b>	2 - 20m dia. Adjustable
<b>Time setting:</b>	5sec to 12min (approx)
<b>Light control:</b>	2~2000lux
<b>Stand by power:</b>	approx.0.9W
<b>Temperature range:</b>	-10°C ~ 40°C



2-20m dia



5sec~12min



2~2000LUX

## INSTALLATION INSTRUCTIONS

### LED Oyster with Microwave Sensor

**Models: LHT0422, LHT0423, LHT0424, LHT0425, LHT0426, LHT0427**

This light has an active motion sensor wired to the internal circuit. It emits a high frequency electromagnetic wave at 5.8GHz and receives their echo. Any change to this echo will activate the light.

This 'Master' fitting can be wired on the same circuit to activate up to 8 more 'non-sensor' Simx LED Oyster fittings. This sensor will not switch different lamp types.

Adjustment of the three setting dials on the sensor is required for optimum operation. This detail is shown below.

#### Reach setting (Sensitivity)

Reach is the term used to describe the diameter of the more or less circular detection zone produced on the ground after mounting the sensor at a height of 2.5m.

Turn the reach control fully anti-clockwise to select minimum reach (approx. 2m dia), and fully clockwise to select maximum reach (approx. 20m dia). Adjust according to location and site requirements.

#### Time setting

The light can be set to stay ON for any period of time between approx. 5sec (turn fully anticlockwise) and a maximum of 12min (turn fully clockwise). Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test.

**NOTE:** after the light switches OFF, it takes approx. 1sec before it is able to start detecting movement again. The light will only switch on in response to movement once this period has elapsed.

#### Light-control setting

The chosen light response threshold can be adjusted from approx. 2-2000lux. Turn it fully anti-clockwise to select night time operation only.

Turn it fully clockwise to select continuous daylight operation .

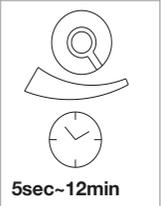
The knob must be turned fully clockwise when adjusting the detection zone and performing the walk test in daylight, then adjust setting according to site requirement.

### ! SENSOR TECHNICAL SPECIFICATIONS

<b>Hf system:</b>	5.8Ghz CW radar ISM band
<b>Transmission power:</b>	<10mW
<b>Max rated load:</b>	300W LED max
<b>Effective mounting height:</b>	Up to 4.0 metres
<b>Detection angle:</b>	360° x 160°
<b>Reach:</b>	2 - 20m dia. Adjustable
<b>Time setting:</b>	5sec to 12min (approx)
<b>Light control:</b>	2~2000lux
<b>Stand by power:</b>	approx.0.9W
<b>Temperature range:</b>	-10°C ~ 40°C



2-20m dia



5sec~12min



2~2000LUX