



INSTALLATION & MAINTENANCE MANUAL

**BTxxCTS**

## GENERAL INSTRUCTIONS

**These instructions should be read carefully and retained after installation by the end user for future reference and maintenance.**

**These instructions should be used to aid installation of the following products:  
BT9CTS / BT14CTS / BT20CTS**

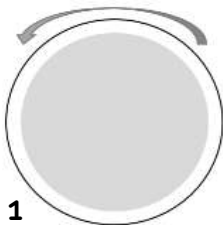
## SAFETY

- This product must be installed in accordance with the latest edition of the IEE Wiring Regulations (BS7671) and current Building Regulations. If in any doubt, consult a qualified electrician
- Please isolate mains prior to installation or maintenance
- Check the total load on the circuit (including when this luminaire is fitted) does not exceed the rating of the circuit cable, fuse or circuit breaker
- Please note the IP (Ingress Protection) rating of this luminaire when deciding the location for installation
- This product is Class II double insulated
- This product is IP65 rated

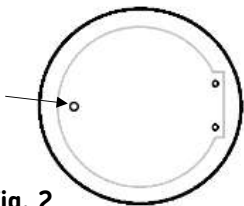
## INSTALLATION

Note - Microwave sensors may not be suitable for all installations, for example enclosed spaces, as they are able to detect movement through non-metallic surfaces like plasterboard and thin doors.

- Provide power to the required point of installation. Suitable IP rated junction boxes should be used where required
- Remove the diffuser by rotating bezel anti-clockwise (see Fig. 1)

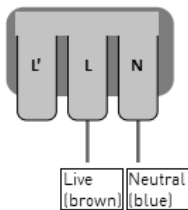


**Fig. 1**



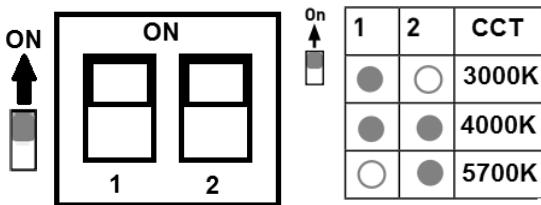
**Fig. 2**

- Remove the fastening screw securing the LED plate and open the LED plate (see Fig. 2)
- Mark the location of the fixing holes, and drill the holes ensuring not to infringe with any gas/water pipes or electrical cables
- Feed the cable via the rubber grommet to retain IP rating, and secure the baseplate to the surface
- Connect the Live (brown) and Neutral (blue) to the terminals on the terminal block (see Fig. 3)



**Fig. 3**

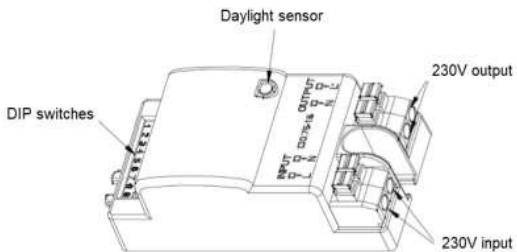
- The additional terminal called Slave Live (L) is available to enable the sensor to power on additional luminaires. A max. LED load of 400W can be controlled by the sensor
- Please see DIP Switch Layout to set up sensor
- Refasten the LED plate screw
- Choose the required colour temperature by means of the DIP switch (see Fig. 4)



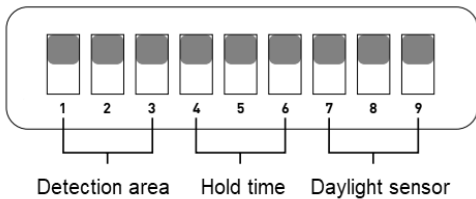
**Fig. 4**

- Reattach the diffuser by rotating clockwise
- Switch on and check for correct operation

## SENSOR LAYOUT



## DIP SWITCH LAYOUT



## DIP SWITCH SETTINGS

### Detection area

On ↑

1	2	3	
●	●	●	100%
○	●	●	75%
●	○	●	50%
○	○	●	25%
○	○	○	10%

### Hold time

On ↑

4	5	6	
●	●	●	5sec
○	●	●	30sec
●	○	●	90sec
○	○	●	3min
●	●	○	20min
○	○	○	30min

This is the time period the lamp remains at 100% after no motion is detected

### Daylight sensor

On ↑

7	8	9	
●	●	●	2lx
●	●	○	10lx
○	●	○	25lx
●	○	○	50lx
○	○	○	Disable

When set to *Disable*, the daylight sensor will switch the lamp on when motion is detected regardless of the ambient light level

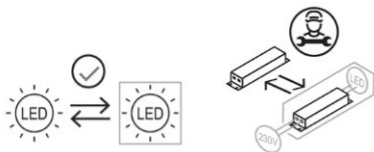
## WARNING

This product must be disconnected from the circuit if subjected to any high voltage or insulation resistance testing. Irreparable damage will occur if this instruction is not followed.

## GENERAL

This product contains a light source of energy efficiency class D to Regulation (EU) No. 2019/2015.

This product contains an LED light source which can be replaced by the end user and a control gear which can be replaced by a professional.



Clean with a soft dry cloth only, do not use aggressive cleaning products or solvents which may damage the product.

Do not use any source of high-pressure washers to maintain or clean this luminaire.

This product is non-dimmable.

This product should be dismantled for disposal when it reaches the end of its life. Please see website for dismantling instructions.

This product should be recycled in the correct manner when it reaches the end of its life. Check local authorities for where facilities exist.

## WARRANTY

This product has a warranty of 3 years from date of purchase. Failure to install this product in accordance with the current edition of the IEE Wiring Regulations, improper use, or removal of the batch codes will invalidate the warranty. If this product should fail within its warranty period, it should be returned to the place of purchase for a free of charge replacement. ML Accessories does not accept responsibility for any installation costs associated with the replacement product. Your statutory rights are not affected. ML Accessories reserve the right to alter product specification without prior notice.

230V  
50Hz



IP65

02

**ML**  
ACCESSORIES LTD



**UK  
CA** **CE**



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