

INSTALLATION & MAINTENANCE MANUAL
BTxxCTEMS



230V
50Hz



IP
65

ML
ACCESSORIES LTD



CE



02

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:

BT9CTEMS / BT14CTEMS / BT20CTEMS

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

- 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)

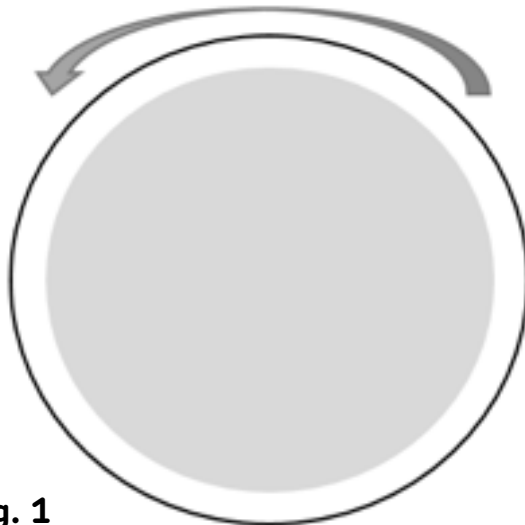


Fig. 1

- Remove the fastening screw securing the LED plate, and open the LED plate (see Fig. 2)

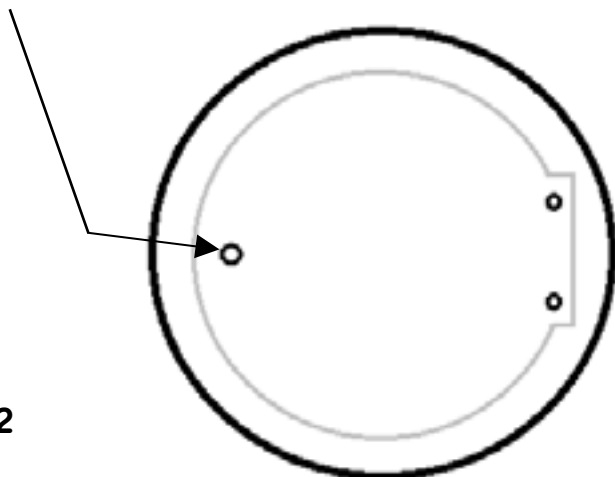


Fig. 2

- 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), Emergency Live (L1) and Neutral (blue) to the terminals on the terminal block (see Fig. 3)

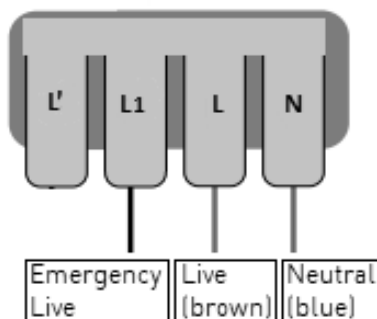


Fig. 3

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

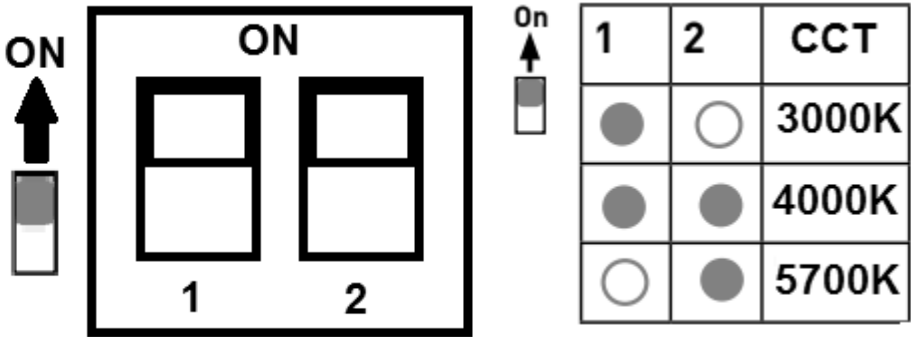
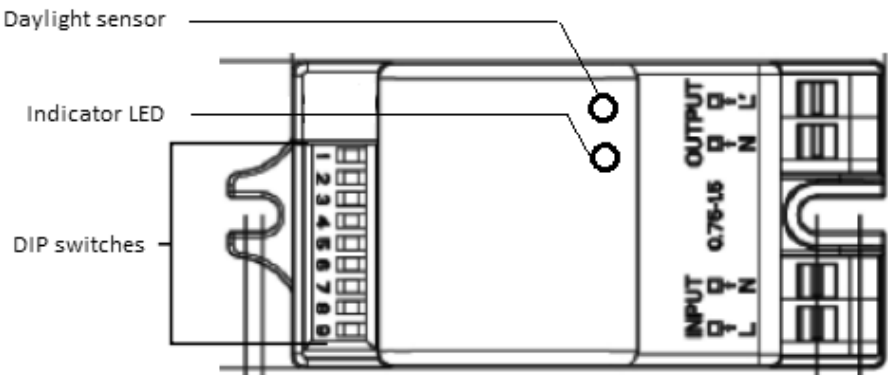


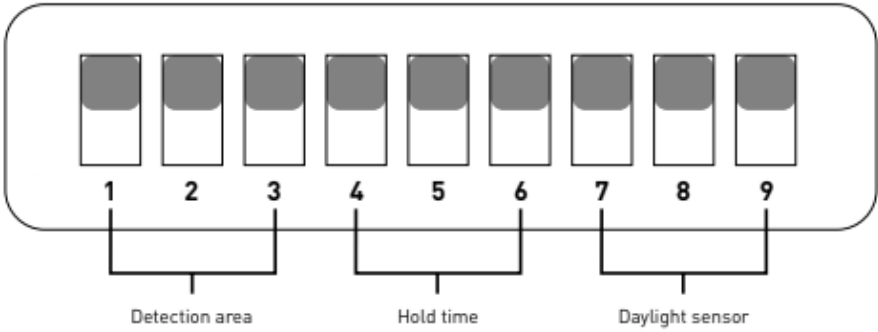
Fig. 4

- Reattach the diffuser by rotating clockwise
- Switch on and check for correct operation, ensuring the green indicator LED is illuminated
- We recommend, on commissioning the installation, a minimum charge period of 24 hours before carrying out an emergency duration test
- If the batteries have been left in a discharged state for an extended period, we recommend that one or more charge and discharge cycles are completed which should help to restore the battery capacity

SENSOR LAYOUT



DIP SWITCH LAYOUT



DIP SWITCH SETTINGS



Detection area



















On
↑

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

Detection area can be adjusted by the combination of DIP switches.



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

The batteries in this luminaire are Nickel Cadmium and must be disposed of correctly. Please contact the local authorities for the disposal of this toxic waste

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

This product is non-dimmable

WARRANTY

This product has a warranty of 3 years (excluding battery) 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.

TESTING FOR EMERGENCY LUMINAIRES

Recommended routine test procedure in accordance with BS5266

- **Daily check** – check LED charge indicator is illuminated
- **Monthly functional test** – simulate a mains supply failure for approx. 30 seconds by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and ensure charge indicator is illuminated
- **Annual three hour duration test** – simulate a mains supply failure for a three hour continuous test by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and ensure charge indicator is illuminated
- If the luminaire fails any of the above tests, please contact a qualified electrician

Please note: the Switched Live should not be re-energised during the emergency test

TEST RECORD SHEET

INITIAL COMMISSIONING 3 HOUR TEST		SIGNED				DATE					
MONTH	TEST	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR	
		SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE
1	FUNCTIONAL										
2	FUNCTIONAL										
3	FUNCTIONAL										
4	FUNCTIONAL										
5	FUNCTIONAL										
6	FUNCTIONAL										
7	FUNCTIONAL										
8	FUNCTIONAL										
9	FUNCTIONAL										
10	FUNCTIONAL										
11	FUNCTIONAL										
12	3 HOUR										

Installed by:

Installation date:

Contact number:



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