Applying Mains Supply



If fitted see product specification

7. Apply mains supply to test the luminaire. The indicator LED will show flashing green and the LEDs will illuminate if the Switched Live supply is connected and switched on.



8. To test, briefly fail the supply to illuminate sign from the internal battery. The indicator LED will be extinguished.

Reconnect Mains Supply

As fig 7.

9. Reconnect the unswitched supply to restart battery charging, indicated by the flashing green indicator LED. Reconnection of the Switched Live will re-illuminate the LEDs from the mains supply if connected for maintained operation.

Operating Instructions - Quatrum Range with IP Rated Conduit Skirt

Gerneral Description

The Quatrum Range are fully automatic self testing emergency lighting luminaires and does not require a key switch testing facility.

1. Luminaires should only be installed by suitably qualified personnel

2. Installation should be carried out in accordance with the requirements of BS7671 and BS5266 Pts 1, 7 and 8.

3. Before installing, connecting or servicing these luminaires, isolate the mains supply to which they are to be connected.

Technical Specification	
Supply Voltage	230V +10% -10%, 50/60Hz
Input Power	
Mode of Operation	Non Maintained or Maintained
Weight	P-W-20 - 1.6kg
	P-W-30 - 2.3kg
Duration	3 hours
Recharge period	24 hours for full duration (14 hours for 1 hour)
Light sources	High Efficiency white LEDs
Battery	2.8V 1200mAh High Temperature NiMh
Ambient temperature	+5°C to +25°C
Degree of Protection	IP20
Conformity	BSEN 60.598-2-22

Testing regime

Luminaires incorporate fully automatic selt testing and will regularly test for correct lamp (LEDs) functioning and for battery functioning in accordance with a predefined test programme that exceeds the requirements of BSEN50172 / BS5266 Pt.8: 2004.

See separate FASTEL test regime description.

Remote control and monitoring (SRM units only)

All SRM version luminaires incorporate remote control and monitoring capability. Luminaires may be connected via collector boxes and interface boxes either to a local computer or to a LAN or internet connection and remotely controlled and monitored. All SRM luminaires are assigned individual addresses before leaving the factory and should be installed in accordance with the installation plans. Details of the remote control and monitoring operation may be found in a separate sheet.

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Leading the way in self testing emergency lighting







Installation and Operating Instructions for Surface Mounted Quatrum Range IP Rated Conduit Skirt



660-003 Issue 1. June 2013 Drawn By T. Skevington - Approved By P. Warmer



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1. First check the conduit to determine which direction you would like your luminaire to be fitted.

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Remove the IP Rated Conduit Skirt (item 1)

from the protective packaging, and drill out the fixings holes and cable entry point. Only drill out ONE set of holes, drilling out both **a** & **b** holes could effect the IP Rating of the fitting.



Identify the conduits entry and exit points for the fitting and drill/cut out a D-Shape to suit the size of conduit tubing.



2

Removing Gear Tray



2. Remove the Surface Mounted Quatrum from it protective box and remove the Gear Tray (item 2) from the Shroud (item 3) by unscrewing the x2No. M3 screws on the front of the fitting. Place the shroud and the fixing screws in a safe place for re-fitting later on.



With the Gear Tray (item 2) removed, unscrew the x2No. M4 fixing screws that hold in the emergency inverter. This will allow for easy access to the conduit fixing points.



3. Overlay the metal Gear Tray (item **2**) onto the IP Rated Conduit Skirt (item **1**) and line up the cable entry and fixings points. Then using suitable fixing screws for the conduit box fit both the metal gear tray and conduit skirt to the conduit box.

Wiring Detail 4 4. Wire the connector Wire Key block as per the label live guides. In case of = Switch Live maintained operation the Nutura switched live must be ==Earth connected originate LSW terminal. Note the = Coms switched live and the = Coms 2 unswitched live must be from the same phase. Once Complete repeat step 1. in reverse to fit to wall.



5 Battery Connection

5. Plug the battery (Red and Black Cables) into the inverter, ensuring polarity is correct. Stow the Cables in a safe place inside the fitting to avoid damage during re-fitting of the shroud.



6. Take the cables coming out of the Shroud (item **3**) and plug into their corresponding connections on the inverter as shown in the illustration above.



Once the connections have been made re-fit the front shroud by using the M3 screws. Ensure that you do not trap any cables when re-fitting to avoid damage to cabling.