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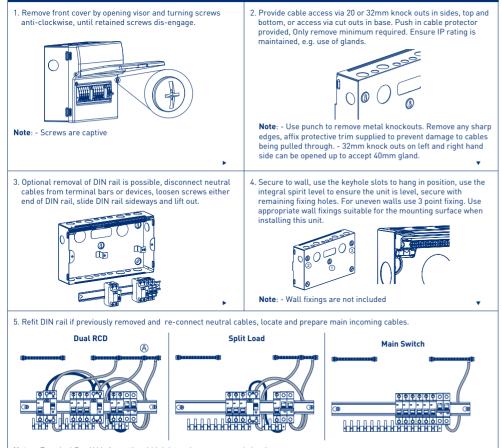


Safety Warning

For your safety, this product must be installed in accordance with local Building Regulations. **This product MUST be installed by a competent person who is registered with an electrical self-certification scheme.** Further information is available online or from your Local Authority. Please read carefully and use in accordance with these safety wiring instructions. Before commencing any electrical work ensure the supply is disconnected, and securely locked off. Wiring should be in accordance with the latest edition of the IET regulations [BS 7671].

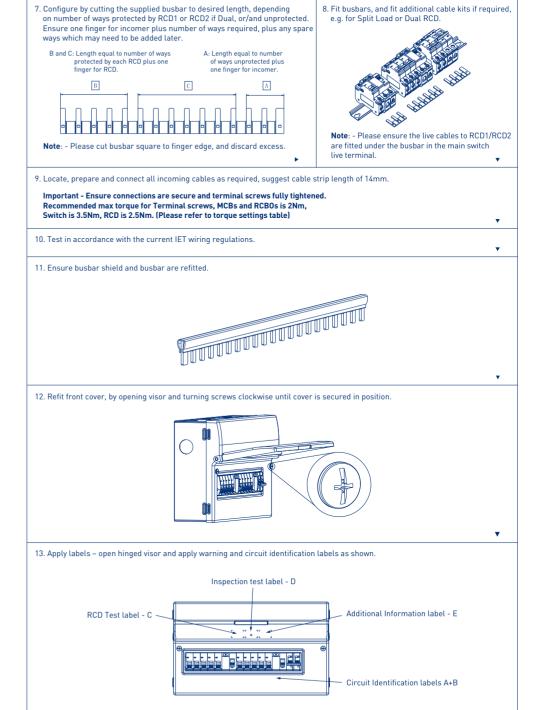
Note: - Most illustrations relate to a typical Dual RCD unit, exact configuration will depend on type, size and material of consumer unit purchased. Ensure all screws are fully tightened before use. [Please refer to torgue settings table]

Instructions



Note: - Terminal Bar 'A' is for optional high integrity, unprotected circuits.

6. Fit devices, ensure the main switch is aligned with the notches on the right hand side of the DIN rail. Place required devices on to the DIN rait, attach the top of the device onto the rail first and then push down bottom of device, the retaining clip will snap onto the rail. Devices can be removed by pulling out the bottom clip device (use a flat bladed screwdriver) and remove by lifting the bottom part of the device first.



Note: - Fill any unused ways with cover blanks provided.

Torque Settings							
Torque Settings	PZNo.		Cable >1.5mm² Tightening torque (Nm)	Cable ≤1.5mm² Tightening torque (Nm)	Cable stripping (mm)		
Consumer Unit Terminals							
Earth and Neutral Terminal Bars	M5	6.5	2	1.3	11		
Isolation							
Switch Disconnector	M7	9	3.5	2.3	14		
Circuit Protection					-		
МСВ	M5	9	2	1.3	12		
RCBO	M5	9	2Nm L / in - 1.2Nm L / N out	1.3	12		
RCD	M6	9.5	2.5	1.3	14		
SPD	M5	9	2Nm PE 1.2Nm L / N	1.3	12		

Interface Characteristics						
Rated & Operational voltage (U	In / Ue)	230V A.C 50Hz				
Rated & Insulation voltage (Ui)		500V A.C 50Hz				
Rated impulse withstand voltage	ge (Uimp)	4kV				
Rated current of the Assembly	(InA)					
Note: dependant upon rating o	f main incoming device	40A, 63A, 80A, 100A				
Rated current of an outgoing ci	ircuit (Inc)	MCB 6A-50A (marked rating of current on device) RCB0 6A-40A (marked rating of current on device)				
Rated current of outgoing unit	(Inc)	RCD 40A 63A 80A 100A (marked rated current on device)				
Rated conditional short-circuit	current of the assembly (Icc)	ІСС=16КА				
Protection against electric sho	ck	Consumer unit shall be installed in an electrical system conforming to the current edition of IEC 60364 / BS7671				
Rated diversity factor (RDF) / V	alues of assumed loading	Note: RDF only applies to continuously and simultaneously				
Number of outgoing circuits Assumed Loading factor		loading circuits. In principle this means adjacent circuit breakers having a load 'on' time exceeding 30 minutes or where a load				
2 and 3	0,8	not exceeding 30 minutes has an 'off' timeless than the 'on' time				
4 and 5	0,7	will need to have the rating diversity factor applied as indicated				
6 to 9 inclusive	0,6	Table and ratings based on a continuous rating of 90A				
10 and above	0,5					
Rated Frequency (fn)		50Hz				
Pollution degree		2				
Types of earthing system for w	hich the assembly is designed	Indoor use only Stationary Assembly				
Degree of protection		IP2XC Intended for use in domestic (residential) or similar premises				
Electromagnetic compatibility	(EMC) classification	А				
External design		Wall-mounted, surface type, enclosed assembly				
Mechanical impact protection		IK05				
The type of construction		Fixed parts				
Type A DBO		Distribution board for use by ordinary persons				

General

Tools – Screwdriver PZ 2 or Flat screwdriver, knife and pliers.

Cleaning – use a soft damp cloth with luke warm water (only clean outside of unit).

Standards - All consumer units have been designed to comply with the requirements of BS EN 61439-3, BS 7671 and Part P document.

Guarantee

BG Electrical Fortress Circuit Protection products are guaranteed against faulty materials and workmanship for a period of 10 years from date of delivery: products will be repaired or [at BG Electrical's discretion] replacements will be supplied or [at BG Electrical's discretion] are discretion] a credit note will be issued. This guarantee is subject to BG Electrical's conditions of sale and in particular to the following conditions being met:

- Notification of any defect is given to BG Electrical as soon as reasonably practicable after becoming apparent, and the products then returned to BG Electrical.
- 2. The products have only been operated under normal operating conditions and have only been subject to normal use.
- 3. No work (other than normal and proper maintenance) has been carried out to the products without BG Electrical's prior written consent.
- 4. The products have been assembled, or incorporated into other goods, by a qualified and recognised electrician and only in accordance with any instructions issued by BG Electrical.
- 5. The defect has not arisen from an item manufactured or supplied by a person other than BG Electrical.
- This guarantee does not affect any consumer statutory rights.

All components used in a BG Electrical enclosure, must be supplied by BG Electrical. The use of any other components will negate compliance to BS EN 61439 and the BG Electrical Guarantee. Failure to fit the enclosure in accordance with these instructions will invalidate the guarantee.

Batch Code Explanation

yyWxx: Manufacturing date code; year of manufacturing (yy) and week of manufacturing (Wxx)

	Address/Helpline	
Luceco PLC Stafford Park 1 Telford TF3 3BD ENGLAND	(EU) Luceco SE C/ Bobinadora 1-5 08302 Mataró SPAIN	
If you have further techn Technical Helpline on: +44 (0)3300 249 279 technical.support@bgele	ical assistance you can get in touch with our ectrical.co.uk	

Environmental Protection

This symbol is known as the "Crossed-out Wheelie Bin Symbol". When this symbol is marked on a product or battery. It means that it should not be disposed of with your general household waste. Some chemicals contained within electrical/electronic products or batteries can be harmful to health and the environment. Only dispose of electrical/electronic/battery items in separate collection schemes, which cater for the recovery and recycling of materials contained within. Your co-operation is vital to ensure the success of these schemes and for the protection of the environment.