



# Installation Instructions 4 Mod Enclosures with SPD



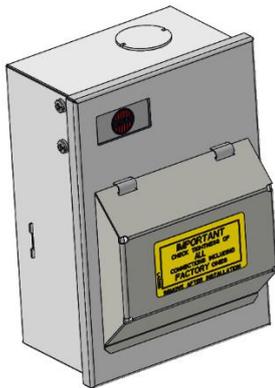
## IMPORTANT INFORMATION

*This unit should be installed by a qualified competent person in accordance with all relevant legislation and regulations including building regulations and wiring regulations BS 7671. If in doubt contact a qualified competent person.*

- Turn off all power supplying this equipment before working on or inside the equipment.
- Always use a properly rated volt-sensing device to confirm the power is off.
- Replace all devices, doors and covers before turning on the power to this equipment.
- To avoid ingress of swarf and similar material, always remove gland plates to allow cutting/slotting for cable entries.

***Failure to follow these instructions could result in serious injury or death.***

## DO NOT USE POWER TOOL SCREWDRIVERS ON ELECTRICAL CONNECTIONS



This product is suitable for indoor use only and is rated at IP2XC.

The consumer unit and associated components have been type tested to the following specifications: -

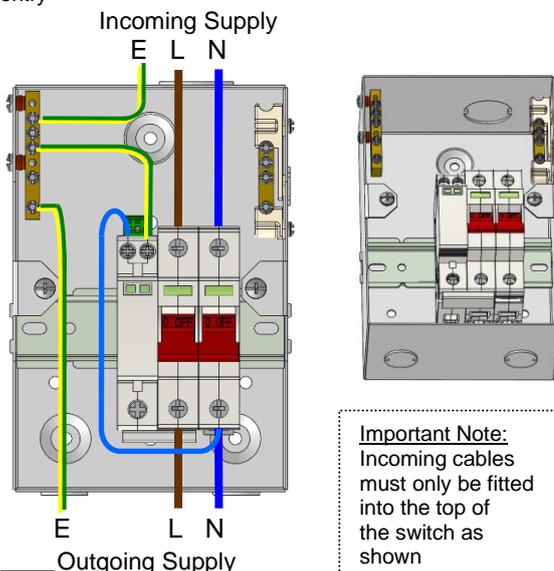
Consumer unit	BS EN 61439-3
SPD	BS EN 61643-12
Main switch	BS EN 60947-3

### 1. Enclosure Mounting

Fix unit to wall using screws. Knockouts are provided for cable entry.

### 2. Route All Incoming & Outgoing Cables

Knockouts are provided at the top and bottom of the enclosure for cable entry



3. Check the tightness of all screw connections, including factory made connections.

### Terminal Capacities

Device	Max. Cable Capacity	Recommended Tightening Torque
<b>Main Switch</b>	50 mm <sup>2</sup>	2.3 Nm
<b>SPD</b>	Live Terminal	2.5 mm <sup>2</sup> to 25 mm <sup>2</sup>
	Neutral / Earth Terminal	2.5 mm <sup>2</sup> to 10 mm <sup>2</sup>
<b>Earth &amp; Neutral Terminals</b>	16 mm <sup>2</sup>	1.7 Nm

**Use No .2 Pozidrive bit.**

### 4. Fit Cover

Fit cover using screws provided.

### 5. Testing Of The Installation

After completion it is essential that the installation is tested in accordance with the IET Wiring Regulations (BS 7671). It is important that this includes verification that the earth loop impedance requirements are satisfied.

Before any testing the removable modules of both L-N & N-PE Surge Arresters must be removed. Once testing is complete the modules must be re-fitted.

### 6. Consumer Unit Accessories

Fire retardant CABLE MEMBRANE ENTRIES protect cables from damage and support compliance with the IP4X requirement BS 7671 416.2.2.

NMCE1	Kit 1 3 x 32 mm & 7 x 20 mm
NMCE2	Kit 2 10 x 20 mm

In line with published IET formal recommendation MAINS TAILS GLANDS will protect mains tails at their point of entry into all metal consumer units. Furthermore, disturbance of mains tails within the consumer unit, up to their point of connection to the isolator, is restricted.

EIU	Tails Gland Kit
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INTUMESCENT STRIPS will dramatically subdue or fully extinguish any fire which may occur within a consumer unit. The addition of an intumescent strip within a correctly installed all metal consumer unit will support the requirement of BS 7671 421.1.201 effectively containing and suppressing a fire at source.

NMFS07	7 module
NMFS10	10 module
NMFS13	13 module
NMFS16	16 module
NMFS21	21 module



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Waste electrical products should not be disposed of with household waste. Please recycle where waste disposal facilities exist. Check with your retailer, wholesaler or local authority for recycling advice.

