

## Euro-Modular Ring Main USB Chargers

These modules are intended for charging Portable Electronic Devices via the standard USB "A" Interface.

### SPECIFICATION

**Supply Voltage:**

100 - 240 Vac, 47 – 63Hz

**Standby Current:**

2.0mA

**Charging Output:**

5Vdc  $\pm$  5%, 2.0A

**Output Connector:**

USB Type "A"

Overload Protection: If the device is overloaded or short-circuited, the electronic circuit will limit the output power within safe limits to provide protection against damage or overheating.

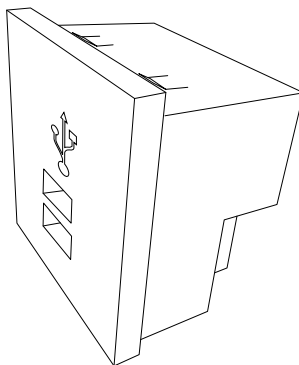
### COMPLIANCE

**All of the modules comply with the following EC Directives:**

Low Voltage	Directive 2006/95/EC
ROHS	Directive 2002/95/EC
WEEE	Directive 2002/96/EC
REACH	Directive 1907/2006
EMC	Directive 2004/108/EC
And:	IEC 60950-1 IEC 61000-6-1/3

### PRODUCT RANGE

Part No	Module Size	Charge Provision	Terminal Position	Colour
3890019	(50 x 50)	2A or (2 x 1A), 5Vdc	Bottom	White
3890020	(50 x 50)	2A or (2 x 1A), 5Vdc	Bottom	Black
3890021	(50 x 50)	2A or (2 x 1A), 5Vdc	Top	White
3890022	(50 x 50)	2A or (2 x 1A), 5Vdc	Top	Black



### GUARANTEE

The product is guaranteed for a period of two years and we will replace or repair the product should it become faulty in that time. This is strictly subject to the device being installed by a qualified installer, and in accordance with the current IEE wiring regulations, and to it having been used in accordance with the user instructions.

This guarantee is the company's entire liability, and no claim for consequential loss or damage will be considered, subject only to the statutory rights of the consumer.

This product design is protected, and the company will take legal action against any product which infringes its Designs or Patents.

## INSTALLATION INSTRUCTIONS

---

Please note that this unit must be installed by a competent person, in accordance with the current IEE Wiring Regulations, (BS7671), and with due regard to these instructions. Failure to install correctly will negate the product warranty.

The USB Charger is a delicate electronic device, and care should be exercised to ensure it is not damaged during installation, particularly by pressure on the enclosure by compressing excess wire into the mounting box. This may compromise safety. The Charger must not be installed in Bathrooms, wetrooms, or in any location subject to water splashing or condensation.

### The Charger Terminals will accept:

3 x 2.5mm<sup>2</sup> conductor

Ensure that the power supply to the circuit is isolated before attempting to install or connect the charger.

Please note that the unit is **internally fused** and does not require connection through a secondary fuse.

The unit is designed for direct connection to a Ring Main.

## CONNECTIONS

---

Fit the unit to the Wallplate before making any connections.

Strip the wires to expose 8 to 9mm of copper conductor

Connect the Brown or Red wire to the terminal marked "**L**"

Connect the Blue or Black wire to the terminal marked "**N**"

Ensure that the earth wire (Green/Yellow sleeve) is securely connected to the metal mounting box used in the installation.

**DO NOT MEGGER TEST**

## WALLPLATE AND MOUNTING BOX SELECTION

---

Most manufacturers' Euro-modular Wallplates will accept the USB Charger Modules, however some care must be exercised in the selection of the flush mounting box, as follows:

### Wallplate Depth >6mm

Use 35mm mounting box

(Note that the modules can be used with care on a >7mm wallplate in a 25mm mounting box).

### Wallplate Depth <6mm

Use 45mm mounting box

## NOTES

---

The device must be installed vertically.

It is normal for the front surface of the charger to become warm in use.