

# Euro 8s

## **Features of the Euro 8s**

- Eight Individual Channel switches
- Individual Channel Indication
- Eight IEC Socket output connections
- Interference free switching

The Euro 8s is an 8 channel switch panel providing eight mains outputs, each with its own fuse and indicator, zero-switched for interference free operation. The Euro 8s is housed in a single unit high 19" rack mounting case, with individual IEC connectors for the outputs.

## **IMPORTANT**

**Installer and Users please note:**

**These instructions should be read carefully and left with the user of the product for future reference.**

### **Installation**

**The Euro 8s must be installed by a competent electrician in accordance with the current IEE wiring regulations.**

## **CONNECTION**

The Euro 8s is not fitted with a mains plug. This is because:

- i) it is capable of controlling more than 13 Amps
- ii) it may be installed permanently
- iii) it is an appliance for professional use.

Connect the Euro 8s to the mains supply with the built in mains lead, Connect the wires as follows:

- **Brown = live**
- **Blue = neutral**
- **Green/yellow = earth**
- **The Euro 6s must be earthed**

Connect the output loads to the IEC sockets on the rear panel using IEC plugs. The sockets are directly behind the switch for each channel.

• **For a 15A supply**, the maximum total load is 3450W which can be made up of:

**either:** 430W watts on each of the eight channels

**or:** different loads on each channel so that the total

does not exceed 3450W (but not more than 1150W on any one channel)

**or:** loads of up to 1150W may be connected to all eight channels provided that the unit is operated so that the total load that is switched on at any one time does not exceed 3450W.

If connected to a lower capacity supply, or by a standard British 13Amp BS1363 plug and socket, the output must be reduced as follows:

• **For a 13A supply**, the maximum total load is 2990W which can be made up of:

**either:** 375W watts on each of the eight channels

**or:** different loads on each channel so that the total does not exceed 2990W (but not more than 1150W on any one channel)

**or:** loads of up to 1150W may be connected to all eight channels provided that the unit is operated so that the total load that is switched on at any one time does not exceed 2990W.

#### **Inductive loads:**

If connecting inductive loads such as motors or discharge lighting (metal halide, fluorescent or neon) to the Euro 8s, make sure that the VA rating of the load does not exceed the figures above (1150VA per channel, 3450VA total). The VA rating should be labelled on the apparatus being connected. If the VA rating is not known, reduce the maximum handling capacity to 800W per channel, and 2400W total.

#### **High-inrush loads.**

If connecting high inrush loads, such as halogen lamps or apparatus incorporating a transformer, reduce the handling capacity to 800W per channel, and 2400W total.

### **Intelligent Lighting Effects.**

It is not recommended to switch intelligent effects (such as NJD Predator, Datamoon, etc) from the Euro 8s. These units should be connected directly to the mains supply (via an isolating switch) and left running all the time that the installation is switched on. A controller (either a DMX controller such as Merlin or IQ-MX80, or a remote control such as AR1) should be used to switch the effects from operating to standby. This avoids the delay of up to half a minute caused by the internal electronics performing its setting up procedure, which happens with all intelligent motorized lighting effects.

### **Lighting controllers**

A lighting controller such as the NJD SC4000e or CC4000s may be connected to an output of the Euro 8s only if the *total* load connected to the controller does not exceed the *single channel* handling capacity of the Euro 8s (1150W)

## **OPERATION**

The green LED indicates that power is connected to the unit.

Each push button provides on/off switching of each load.

Push a button so that it latches **in** to switch **on** the load relating to that channel.

Push the button again so that it latches **out** to switch **off** the load relating to that channel.

The red LED illuminates when the output is **on**.

## **FAULT FINDING.**

### **Output permanently off (LED illuminates normally)**

- Fuse failed. Firstly check the apparatus connected to the faulty channel for short circuits, and check to make sure that the output has not been overloaded. Disconnect the supply, then remove the top lid and replace fuse with a 5Amp fast blow high breaking capacity 5×20mm fuse.

### **Output permanently on (LED illuminates normally)**

- Triac failed. Firstly check the apparatus connected to the faulty channel for short circuits, and check to make sure that the output has not been overloaded. Disconnect the supply and replace with type BTA12-600B or equivalent. This involves soldering. It may be advisable to take the unit to a dealer to have a triac replaced. A badly carried out repair will invalidate the warranty, and may make the unit unsafe. NJD accepts no responsibility for any injury or damage to equipment caused by a poor repair.

### **Green Led not lit**

- No mains supply to the unit.

Check the fuse in the supply to the Euro 8s.

Check the supply.

**TECHNICAL SPECIFICATION.**

Size: 482mm x 44mm (1U) x 110mm  
Weight: 1.2kg  
Maximum load: 5 Amps per channel  
1.15kVA @ 230V AC

*1.15kVA corresponds to a resistive load of 1150 Watts or an inductive load of approximately 800 Watts depending on power factor.*

Maximum total load: 15 Amps  
3.45kVA @ 230V AC

*3.45kVA corresponds to a resistive load of 3450 Watts or an inductive load of approximately 2400 Watts depending on power factor.*

*Reduce to 13 Amps (2.99kVA) if connected using a British BS1363 mains plug and socket.*

Power requirements: 230V AC 5VA  
Mains input: 1.5mm<sup>2</sup> cable to BS6500  
Harmonised code HO5VV-F  
Outputs: IEC320 socket to BS4491  
Fuses: F5A High breaking capacity to IEC127  
*A "high breaking capacity fuse has a ceramic case.*  
Triacs: 12 Amp 600Volt isolated tab.  
Type: BTA12-600B

### **Safety Standards**

The Euro 8s complies with:

EN60065 (European Electrical Safety Standard)

EN55103 (Electromagnetic Compatibility Standard)

EN60297 (Standard for Fascia panel dimensions)

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