GENERAL INFORMATION

A) These Power Supply Units are intended for use by qualified personnel only.

B) There are no user serviceable parts inside hence no regular maintenance is required, other than making sure all cables are securely fixed without any sign of damage.

C) **This unit is not designed to be used with backup batteries.**

NORMAL OPERATION

During normal operation observe the following :

The Green LED indicates Mains present.

The Red Fault LED indicates that the Output Fuse has blown or the Outputs are OFF due to the contact switching at the terminals **SW** or **EXT** (see diagram).

The Red LED to the left of the Fuse indicates that the Output is ON.

FAULT DIAGNOSIS

No DC Output

1) Ensure SW & EXT settings are correct for the application (refer to diagram).

2) Output fuse blown.

   NOTE : Some equipment can draw more current on power up which is in excess of manufacturers current rating (Electro-magnetic locks can be a particular problem).

   Fuse must be **Quick Blow** at power supply rating..
   i.e. 1amp P.S.U. = 1amp (F1) fuse.

INSTALLATION INSTRUCTIONS

SUITABLE ONLY FOR INSTALLATION AS PERMANENTLY CONNECTED EQUIPMENT. THE UNITS MENTIONED IN THESE INSTRUCTIONS SHOULD NOT BE INSTALLED EXTERNALLY.

1) Mount box on a flat vertical surface in correct orientation with hinge on left hand side (if hinged box). The P.S.U. should be installed to allow maximum air movement where possible. Avoid areas that are subject to high temperatures or humidity.

2) Connect a suitable mains supply with an external disconnect device. This must be a 3amp fused unswitched spur installed by a qualified electrician certified to part P.

THIS PRODUCT MUST BE EARTHED

3) **REMOVE MAINS FUSE.**

4) Connect the load and all associated wiring. The 24 volt DC terminals are marked - out + The cable size for the load should be rated to carry the load current for all devices connected to P.S.U.

   If required, connect an external contact to the terminals marked **SW**. Depending on settings (see diagram) : Opening or Closing of Contact will disconnect the output.

   If required connect an external supply to the **EXT** supply terminals (see diagram) **observing correct polarity**.

   Application of 24v DC to these terminals will disconnect the output.

5) Mains and low voltage cables should be routed separately. Where entry/exit holes are used in the cabinet the closed fitting cable protective bushes should be used. All cables should be securely fastened within cabinet with suitable cable ties.

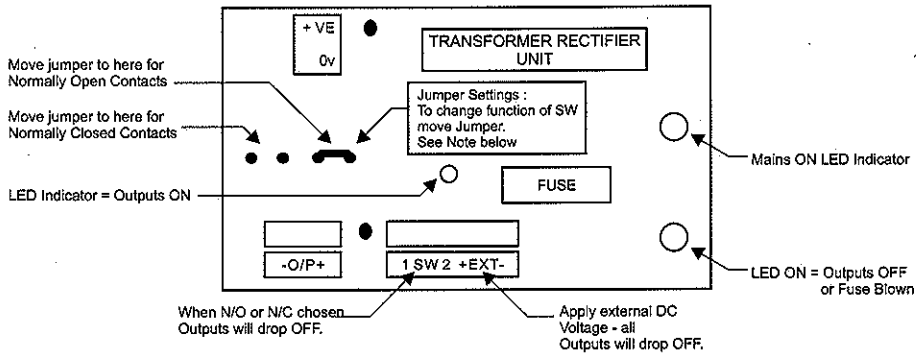
6) **REFIT MAINS FUSE**
   a) Confirm GREEN mains LED is illuminated
   b) Ensure voltage across output terminals : 22-30 Volts DC OK.

7) Ensure GREEN/YELLOW earth lead is connected correctly to lid earthing tab. Close the lid and secure with screw provided.

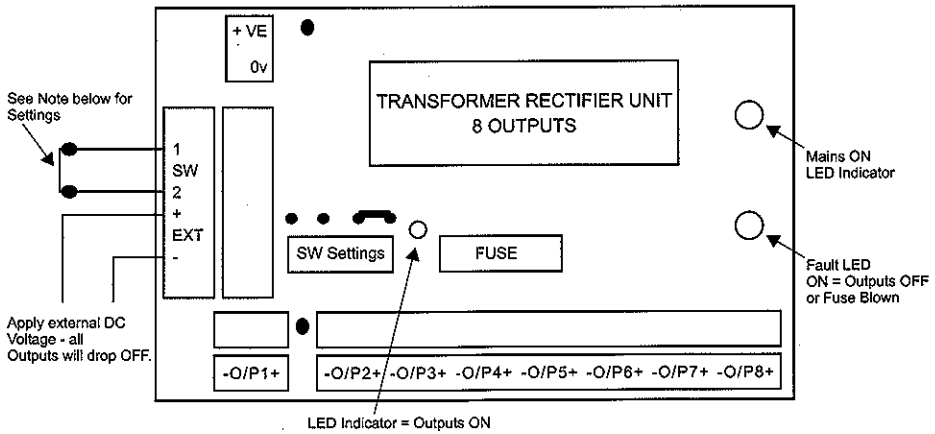
INSTALLATION COMPLETE

TECHNICAL SPECIFICATION

MAINS INPUT	230 V AC +/- 10% 50 / 60 HZ
OUTPUT VOLTAGE	22 to 30 Volts DC dependent upon load
ENVIRONMENT	Ambient Temp -20 to + 40°C Relative Humidity 10 to 90%
FAULT INDICATOR L.E.D. (RED)	Fuse blown fault.
BOX SIZE:	250 x 215 x 80 mm .



TX/REC + 8 WAY BOARD



NOTE :
The function of SW can be altered by moving the Jumper as indicated here :
When positioned on the **Right (default)** the **Output** will remain **ON** until **SW** contacts are **CLOSED**
When positioned on the **Left** the **Output** will remain ON until **SW** contacts are **OPENED**

24V TRANSFORMER RECTIFIER UNITS

MODEL			
	2401TR	**2402TR**	**2404TR**
Non Regulated DC Output	1 Amp	2 Amp	4 Amp
Mains LED	GREEN	GREEN	GREEN
Fault LED	RED	RED	RED
Mains Fuse	T160mA	T315mA	T630mA
Output Fuse	F1A	F2A	F4A

Features

High quality range of power supplies for use when switching DC electromagnetic door retainers.

- Output Voltage - 22-30V DC dependent upon Load
- Full current to load
- Short circuit protection
- Mains present indicator
- Fuse Blown / Output Off indicator
- Selectable NO / NC contacts for Relay
- External voltage inputs for Relay
- Single or 8 Output models available

At the end of this products use, the unit must be disposed off responsibly and not added to the normal household waste.