

*action*air

Dampers Controls Fancoils

TransShield 24Volt PSU 4-Way



Item Part N° XNNN00317
Operating & Installation Instructions

UNPACKING AND INSPECTION

- Carefully unpack the unit and retain packaging to return equipment for servicing.
- If the equipment appears damaged in any way, return it to sales outlet in its original packaging. No responsibility for damage arising from the use of non-approved packaging will be accepted.

Retain these instructions.

SAFETY SYMBOLS

The following symbols mean:



Warning: read instructions to understand possible hazard



Danger: Electrical shock hazard

Use only as specified by these instructions or the equipment's intrinsic protection may be impaired.

SAFETY WARNINGS

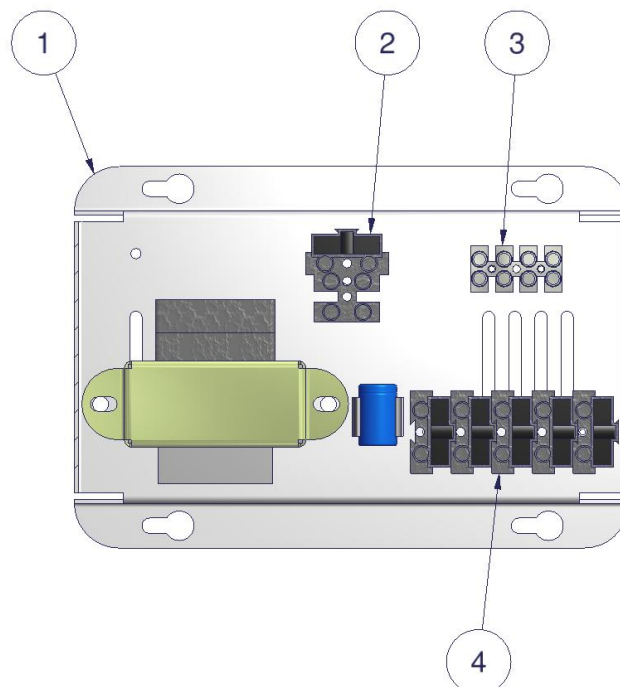
Always observe the following safety precautions

- Only connect to an earthed supply. **THIS UNIT IS CLASS 1 CONSTRUCTION AND MUST BE EARTHED!**
- Connect only to a power source with a voltage corresponding to that on the rating plate.
- This equipment is for use indoors. NEVER use the equipment in damp or wet conditions.
- Avoid excessive heat, humidity and dust.
- Do not use where the equipment may be subjected to dripping or splashing liquids of any kind.

Before replacing a fuse, DISCONNECT THE EQUIPMENT FROM THE MAINS SUPPLY.

INSTALLATION

- All electrical work should be carried out by a competent person and meet the local wiring regulations
- Only install either upright with the mains lead at the top on a wall or horizontally on a surface, with the base or either long side facing downwards.
- Ensure that the power supply (1) is secured to a suitable wall/surface able to bear the weight, using 4 off screws and appropriate wall mounting plugs. The keyhole mounting points can be used as a template.
- Ensure that ventilation holes are not blocked and if more than one 24V PSU is installed a minimum of 25mm gap is maintained between the mounting flanges.
- Ensure all cables are routed safely to avoid sharp bends and pinches.
- Ensure that only permitted cable types (and specified cable sizes) are used and that the low-voltage dc cables are routed separately from the mains supply.
- The mains should be wired to a local 3A FCU. If switched, the switch must disconnect both poles of the supply. It is essential that this unit is Earthed
- The unit is supplied with 3 off 20mm cable glands to be fitted as standard. If required conduit may be used instead, installed using 20mm connectors and bushes
- Mains supply connections must be made to the free terminals of (2) using 1.5mm² wire for the mains circuit, with correct insulation colours. (BS7676:2001 Brown – Live, Blue – Neutral, Yellow/Green – Earth)



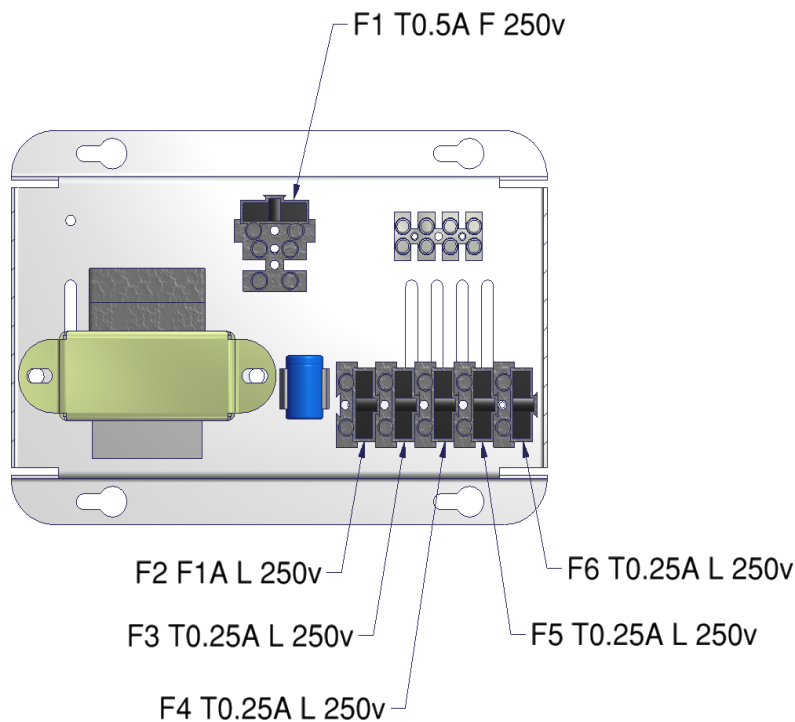
- Use 1mm² minimum wire for each secondary circuit (Brown, Grey) connected to (4 – Positive) and (3 – Negative).

- Ensure that primary and secondary wiring is routed apart. If it is necessary to run the circuits together, supplementary insulation should be applied to either circuit wiring.

MAINTENANCE

- Clean only with a damp cloth. Do not wet or allow moisture to penetrate the unit. Do not use solvents
- Fuses must only be replaced with the type and rating as listed: -
Replacement fuses: -

F1 - Mains:	T0.5A H 250V
F2 - Secondary:	F1A L 250V
F3 to F6 - 24Vdc output:	T0.25A L 250V

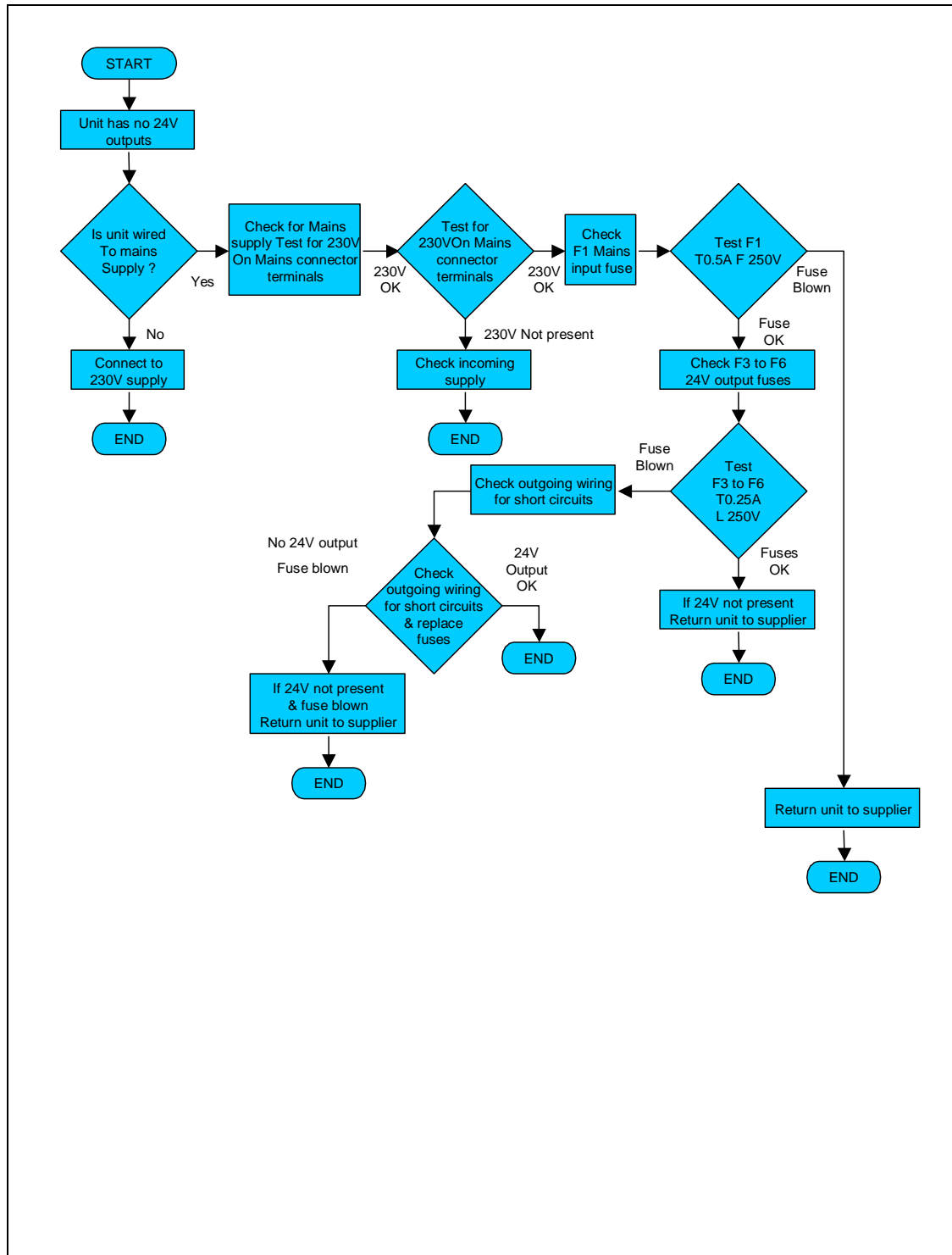


- If a replacement fuse fails immediately, contact your local service agent. DO NOT replace with a higher value.

SERVICING

- The only user-serviceable parts of this equipment are the fuses as specified and shown above. No other user-serviceable parts are contained within. Refer all repairs to qualified service personnel.

FAULT DIAGNOSIS



TECHNICAL SPECIFICATION

- This equipment is for indoor use is safe within an ambient temperature range 5 to 40°C with maximum relative humidity of 80%.
- Equipment is for operation at installation category II (transient voltages) and pollution degree II in accordance with IEC 664 at altitudes up to 2000 metres.
- Size 180mm X 124mm X 92mm (L X W X H)
- Weight 1.3Kg
- Supply voltage range 230Vac +/-10%, 50/60Hz

Supply power rating

- Input 230V ac nominal (230Vac +/-10%) 50/60Hz
- Input power 55VA
- Output voltage 24Vdc nominal, unregulated
- Output current 0.25A per output

Interconnecting cable specifications

- 1mm² (minimum) to 2.5mm² (maximum) for 230V ac Mains input and 24V dc outputs.

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