

ST.1000 POWER SUPPLIES

Data sheet & Installation Instructions

Introduction:

The "ST" is a range of Linear Power Supplies designed to power equipment used in the Security, Fire, CCTV and Access Control industries. They are certified to EN.60950 (European Electrical Safety Standard). The power supplies, which cover a range of 1, 1.5, 2, 3, 5, 6 and 8 Amp versions, are available in either 12 or 24 volt models and supplied in a selection of housing options (Compact, Vertical - pictured, Large, Weatherproof IP66.). The ST.1000 is designed to give an output of 1 Amp at 13.8 volts DC, and this includes recharging a suitable Sealed Lead Acid battery via flying leads.

Specification

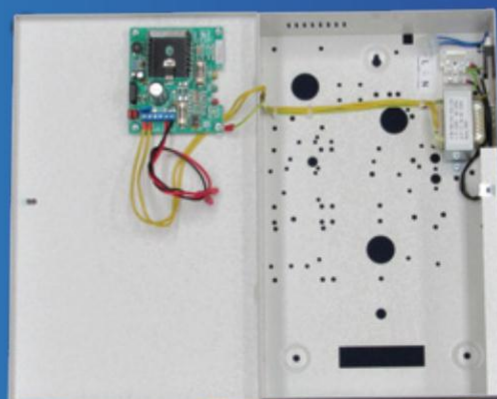
Mains Input	230V AC @ 50 Hz, 1 AMP. Max.
ST. 1000 output	1 AMP max. @ 13.8 volts DC
Transformer	25VA, Secondary 18Vac, complaint IEC.61558
Ripple	< 0.1 volt peak to peak
Battery recommended	12 volt, 7 amp/hour.
Battery recharge	24 hours (80% in 14 hours)
Environment Range	-10 to + 40 deg. C.
Dimensions	see brochure for enclosure options

Indications

LED – Green	Mains present when on.
LED – Red	DC output fuse blown when on
LED – Yellow	Indicates Battery Fault on Manual Test.

Fuses

Mains Safety Fuseblock	1 Amp, QuickBlow, F, L, 250V, (20 x 5 mm)
Load Output Fuse	1 Amp, F, L, 250V, (20 x 5 mm)
Battery Fuse	1 Amp, F, L, 250V, (20 x 5mm)



INSTALLATION NOTES

Box should be fitted to wall in orientation so that front decal is upright.

Secure box to wall and connect Mains lead using suitable 3 core 0.75 Cable via anti-strain gland to correct terminals at Mains Input Fuse-block observing polarities. Mains cable should be routed away from other low voltage circuitry in box.

220-240 Volt Mains should be provided via an un-switched fused spur point, with integral fuse (rated at 3.15 amp, 250 volt, Ceramic) .

Prior to service the fuse in this spur point should be removed and the internal battery disconnected in order to completely power down the unit.

Where identification of the Neutral in the Mains Supply is not possible, an additional readily accessible 2 pole disconnect device must be provided in the building installation. (Not required in UK or Ireland).

Connect output load, observing correct polarity, at DC terminals on PCB.

Attach Battery spade leads, Red and Blue, observing correct polarity.

Apply 220-240 volts Mains and observe that Green LED illuminates.

Remove DC output fuse to check that Red LED illuminates. Replace fuse and ensure that Red LED extinguishes.

Cable ties should be applied to Mains inputs, DC outputs and Micro-switch connecting wires (if used).

If applicable, wire tamper circuit (low voltage only) through Micro-switch.

