

ST. 2400 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 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 - pictured, Vertical, Large or IP65). The ST.2400 is designed to give an output of 2 Amps at 27.7 volts DC, and to recharge suitable Sealed Lead Acid batteries via the flying leads.

Specification

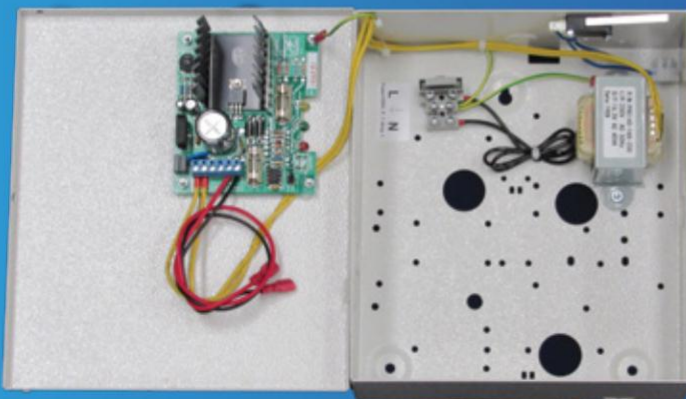
Mains Input	230V AC @ 50 Hz, 3 Amp.max.
ST. 2400 output	2 Amp @ 27.7 volts DC (24VDC nominal)
Ripple	< 0.1 volt peak to peak
Battery recommended	2 x 12 volt, 7 amp/hour
Battery recharge	24 hours (80% in 14 hours)
Environment Range	-10 to + 40 deg. C.
Dimensions	see brochure for enclosure options

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	2 Amp, Glass, F, 250V, (20 x 5mm)
Load Output Fuse	2 Amp, Glass, F, 250V, (20 x 5mm)
Battery Fuse	2 Amp, Glass, F, 250V, (20 x 5mm)





“Powering the International Security Industry”

INSTALLATION NOTES

Box should be fitted to wall horizontally 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 5 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. Connect output load, observing correct polarity, at 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 Microswitch, if supplied.

