

18Vdc 4A Power Supply



TACTICAL
TECHNOLOGIES

MODEL :

TPS18-4DC

Eco Range

INTERCOM POWER SUPPLY

© 2011 The contents of this manual are copyright and may not be reproduced without the written permission of Tactical Technologies Pty Ltd.



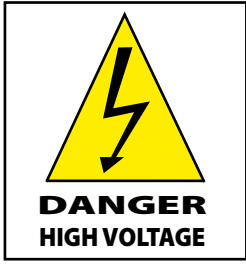
 N645



Installation Manual

DESIGNED & MANUFACTURED

CAUTION



Dangerous internal voltages exceeding 500 Volts - **DO NOT REMOVE COVERS!**

Equipment must be installed & serviced by suitably qualified service personnel in a restricted access area.

Dangerous Voltages Inside!

Do not remove covers

No user serviceable parts inside



General

This power supply is part of the Tactical ECO Range and is designed for **indoor use only**.

TPS18-4DC is a high performance, extremely low noise, Dual Channel Switch Mode power supply offering 18Vdc at 4A continuous.

This model is equipped with an auxilliary output - 12Vdc @ 150mA (approx) to power accessory equipment.

Output short-circuit and overload protection are provided . Removal of the fault / short circuit condition will return the power supply to normal operation (Auto-Reset).

Connection

TPS18-4DC

- 240Vac Mains Input via IEC connector - confirm that supplied cable is firmly seated in connector & 3 Pin GPO
- 18Vdc Output to power intercom equipment (4A continuous) - observe polarity
- 12Vdc Auxilliary Output to power 12Vdc accessory equipment (150mA limit) - observe polarity

LAYOUT



| | | | |
|----------|---|----------|--|
| A | Auxilliary Output Terminals - 12Vdc @ 150mA | B | Output Terminals - 18Vdc @ 4A |
| C | LED not used in this model | D | LED not used in this model |
| E | LED not used in this model | F | AC Mains OK LED (Green ON = OK) |
| G | LED not used in this model | H | 240V IEC Mains Socket |
| I | Perforated case vents - do not block | J | Compliance / Date of Manufacture Label |



DESIGNED & MANUFACTURED



18Vdc 4A Supply



Specifications :

(In the interests of product improvement, Tactical reserves the right to change specifications without notice)

| Eco Range® | TPS18-4DC |
|-----------------------|---|
| Output Voltage | 18 Vdc |
| Output Current | 4A Continuous |
| Output Channels | 1 |
| Output per Channel | 4A |
| Input Voltage | 240 V ac (+6% / -10%) 50Hz |
| Input Current | 0.8A @ full load |
| Input In-Rush Current | <20A (25° C cold start up) |
| Auxilliary Output | 12Vdc / 150mA (Max) |
| AC Input Indicator | Green LED |
| Weight (Approx) | 1.2Kg |
| Dimensions (mm) | 225L x 120W x 60H |
| Overload Protection | Hysteretic thermal shutdown with automatic fault recovery |
| Load Regulation | < 1% from open to full load |
| Line Regulation | < 0.2% |
| Output Ripple | <50mV p-p @ full load |
| Working Temperature | 50° C Max |
| Safety Standards | AS NZS 60950:2011 |
| EMC Standards | AS/NZS CISPR 11:2004 (Class B Conducted and Radiated) |



www.tac-tech.com.au

Securing Your Power Needs®
Now and into the Future...

