

Installation Manual

TPS24-20AC-BD-10



 N645

24V AC 20A Power Supply

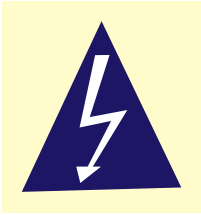


POWERING
YOUR VISION[®]



Designed & Manufactured

CAUTION



Equipment must be installed & serviced by suitably qualified service personnel in a restricted access area. There are no user serviceable parts inside.

Dangerous Voltage Inside !

Do not remove module covers

No user serviceable parts inside

General



This power supply is designed for indoor use only.

The TPS24-20AC-BD-10 24Vac 20A power supply has been designed to provide an off-the-shelf solution for CCTV and Access Control installations.

There's no longer any need to have banks of individual power supplies and multiple 240v power outlets to run your system. The TPS24-20AC-BD-10 has 10 individually fused outputs - each provided with a LED indicator to display the condition of the fuse, a handy feature for quick troubleshooting of cabling or camera faults.

By selecting suitably rated fuses for each camera, you may configure your system to provide maximum short circuit fault tolerance - a short circuit on one cable run does not have to mean a failure of the entire system.

Connection

The TPS24-20AC-BD-10 is fitted with one Tactical Technologies PDM (10 way) Power Distribution Module.

In order to provide maximum short circuit protection, it is recommended that the installer assess the current draw of each device connected to the PDM and fit a fuse of appropriate value to suit.

Ensure that total device current draw does not exceed the rated output of the power supply, remembering to allow an adequate power margin for equipment cold start.

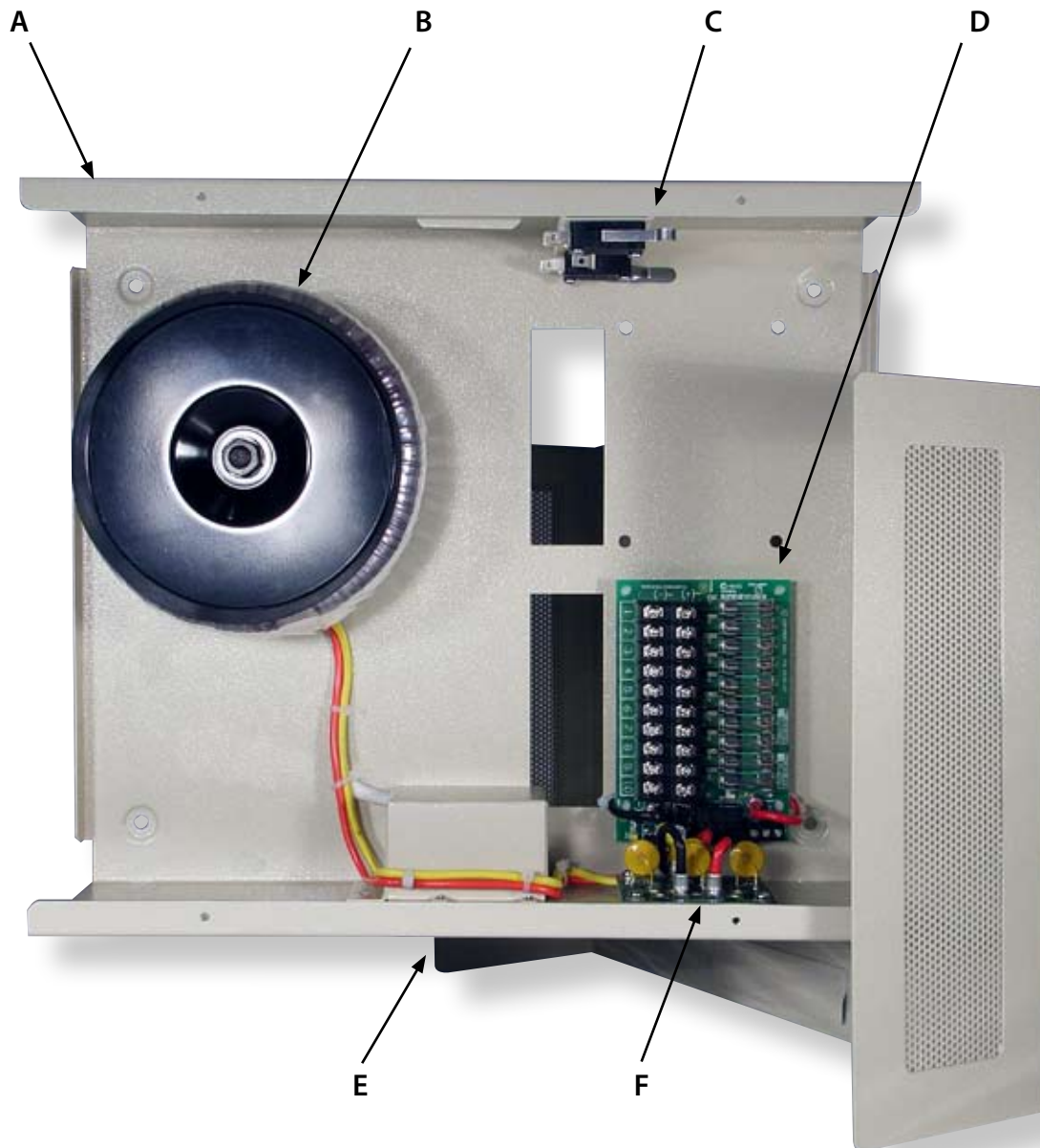
For your convenience, an LED is fitted adjacent to each fuse. The LED is lit when the fuse is intact and extinguished when the fuse has failed.

Each PDM board is also fitted with a common fault relay which activates in the event of failure of any one of the fuses on that board. This output may be used to drive external alarm devices and/or alarm inputs on associated Digital Video Recorders.

Note that the TPS24-20AC-BD-10 has a 240V primary side fuse fitted in an integrated fuse holder within the IEC type Power Socket Connector fitted on the lower edge of the cabinet.

This fuse should only be replaced with a fuse of the same rating (T2.5A / 250V).

LAYOUT



A	Powder coated steel enclosure
B	20A High Efficiency Toroid Transformer
C	Tamper switches - Front & Rear
D	10 way fused power distribution module (2A fuses fitted)
E	240V IEC Mains Connector with integrated fuse holder (Fuse: T2.5A / 250V)
F	MOV Anti-Surge network
G	Mains Input with Integrated Fuse Holder - Fuse: (T) 2.5A/250V

Warranty Statement

Tactical Technologies Pty Limited guarantees this product against defective parts and workmanship for a period of twelve (12) months from the date of purchase. If any defect appears during the warranty period, please return the goods to Tactical Technologies Pty Limited freight paid. The goods will be repaired or replaced, then returned.

Tactical Technologies Pty Limited assumes no liability for consequential or indirect damage and accepts no responsibility for repairing damage to products caused by misuse, careless handling or where repairs have been made by others. In the interest of ongoing product development, Tactical Technologies Pty Limited reserves the right to modify, vary or alter the design of this product without written notice.

Specifications

	TPS24-20AC-BD-10
Input Voltage	240Vac / 50Hz
Input Current	2.4 A
Input Fuse Rating	T2.5A / 250V
Output Voltage	24Vac Nominal
Output Current	20A Max
Output Channels	10
Output per Channel	2A
Output Fuses	Type: M205 Rating: F2A / 250V
Weight	8 kg
Dimensions	340W x 290H x 105D (mm)
Working Temperature	0 - 40 ⁰ C
Safety Standards	AS/NZS 61558.1 including AS/NZS 61558.2.6
EMC Standards	AS/NZS 4251.1:1999 (conducted only)
Mounting	4 x 3mm mounting holes



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THINK ABOUT POWER !**

