



IDRATEK

INTELLIGENT AUTOMATION

IPS-002 Intelligent Power Supply (Installation Guide)

IDRATEK LTD
8 Clanfield Court
Newcastle Upon Tyne
NE3 1TZ
UK

t: +44 191 2840686
w: www.idratek.com

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GENERAL

The IPS-002 can be connected to a wide range of AC supplies, from 88 – 264 Vac over a frequency range of 47 – 63Hz making it ideal for most countries. The unit is supplied with 2 metres of 6A flexible mains cable which allows it to be fitted with either a plug or hard wired direct to the AC supply.

The unit is designed to be wall mounted using the holes in the rear of the unit and the 4 screws and plastic plugs supplied.

INSTALLATION VIA PLUG

For the UK a 13A plug (to BS1363) should be used and must be fitted with a 5A (or less) fuse. For other (non-UK) installations, the cable must be protected by a 5A (max) fuse.

The socket to which the unit is plugged into should have earth fault protection such as a residual current device (RCD). If in doubt, consult a qualified electrician.

INSTALLATION DIRECT TO SUPPLY

For permanent connection to an AC supply, the unit must be fitted to a circuit which is protected by a 5A (max) miniature circuit breaker (MCB) or fuse. It is preferable that the IPS is wired to its own circuit.

For European installations, a type B,C or D circuit breaker can be used without nuisance tripping. The circuit to which the unit is wired into should have earth fault protection such as a residual current device (RCD). If in doubt, consult a qualified electrician.

(NOTE – for UK installations from Jan 2005, it is a requirement that such an installation be performed in accordance with the guidelines set out in Part P of the building regulations)

POWERING UP THE UNIT

NB - Mains must be disconnected before opening the cover as mains voltages are present.

Connect the battery ensuring the polarity is correct (red to +ve and black to –ve). Care must be taken to avoid shorting the battery terminals, as these can deliver extremely high currents into a short circuit. Connect the unit to the mains supply. This will power the battery charging circuitry but not the IPD module or any IDRANet spurs.

Power it up by operating the internal DC switch, which will cause the IPD module to initialise (flashing status LED). The unit is now ready for use.

If you wish to power down the IPS unit at any time, disconnect from the mains, open the cover, open the DC switch and disconnect both battery leads.