

Temaline Power Supply

Honeywell



**An intelligent power supply
that never lets you down**

TemaPower addresses all your power needs, ensuring that your system is never compromised as a result of power issues. TemaPower is an active power supply device that not only supplies power, but is also able to exchange messages with the TemaServer controllers thus providing continuous information on the status of the main power supply and the batteries.

There are three products in the TemaPower family; the TP_U01, a 10 watt supply, TP_U03, a 60 watt supply, and TP_U04, the power supply controller.

MAJOR BENEFITS

Transparent power status:

TemaPower provides additional information

on the status of your system. The TP_U04 Controller monitors your power supply and sends status messages on the main power and batteries up to a supervisory level.

Piece of mind: In critical situations, the devices can be configured in a redundant mode. Each device then has the ability to manage additional TemaKeys normally managed by another TemaPower, which is temporarily in failure.

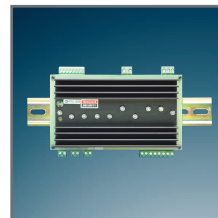
Visibility: TemaPower enables the use of an external power supply as Temaline device.

Improved efficiency: Use of state-of-the-art components and circuit design has improved efficiency, reducing size and

weight, simplifying and reducing the cost of overall system

KEY FEATURES

- Intelligent power supply
- Monitors all features of the power supply associated with the TemaServer
- Back-up battery for 4 hours of autonomy in case of power failure
- Manages external power supplies as Temaline devices



TP_U04

Specification		TP_U01	TP_U03	TP_U04
Technical		Temaline intelligent power supply.	Temaline intelligent power supply.	Temaline intelligent power supply controller.
		Includes backup battery for 4 hours of autonomy in case of power failure.	Includes backup battery for 4 hours of autonomy in case of power failure.	Allows use of an external power supply and batteries, providing the same features that a Temaline power supply provides.
				Management of tamper on case opened.
				Additional input for external anti-removal tamper switch.
Electrical	Supply Voltage	230V AC $\pm 15\%$ 50Hz.	230V AC $\pm 15\%$ 50Hz.	14.1V DC $\pm 2\%$ 10A max, depending on the configuration
	Power Consumption	80 mA (nominal, on 10W load) 200 mA max. (for fast battery recharge)	80 mA (nominal, on 10W load) 200 mA max. (for fast battery recharge)	350 mA (nominal, on 60W load) 1 A max. (for fast battery recharge)
	Outputs	Voltage 12.5VDC $\pm 10\%$ Current 0 \div 0.8A (nominal) 1A (max)	Voltage 12.5VDC $\pm 10\%$ Current 0 \div 0.8A (nominal) 1A (max.)	Voltage 12.5VDC $\pm 10\%$ Current 1A, 2.5A, 5A configurable
	Battery recharge time	80% of capacity in 4 hours	80% of capacity in 4 hours	Voltage 13.8VDC $\pm 1\%$ Current 0.5 \div 5A configurable
	Battery autonomy	4 hours with an 800mA load	4 hours with an 800mA load	Configurable
	Lon Cabling Interface	Unshielded twisted pair cable in free topology. (Transceiver FTT10A, 78Kbps)	Unshielded twisted pair cable in free topology. (Transceiver FTT10A, 78Kbps)	Unshielded twisted pair cable in free topology.
Physical	Protection Rating	IP55	IP31	IP31
	Dimensions	W=221, H=305, D=95 mm	W=221, H=305, D=233 mm	W=160, H=55, D=110 mm
	Weight	5,9 Kg	8,5 Kg + 9Kg battery	0,4 Kg
	Mounting	Verticle only	Verticle Only	DIN Rail 35mm
Environmental	Operating Temperature	0°C / +40°C	0°C / +40°C	0°C / +45°C
	Operating Humidity	Up to 95% without condensation	Up to 95% without condensation	Up to 85% without condensation
	Certification	Directive EMC 89/336/EEC, 92/31/EEC Low Voltage Directive 72/23/EEC, 93/68/EEC; EN60950 / EN55024 EN55022 / EN6100-3-2/3 c US LISTED	Directive EMC 89/336/EEC, 92/31/EEC Low Voltage Directive 72/23/EEC, 93/68/EEC; EN60950 / EN55024 EN55022 / EN6100-3-2/3 c US LISTED	Directive EMC 89/336/EEC, 92/31/EEC Low Voltage Directive 72/23/EEC, 93/68/EEC; EN60950 / EN55024 EN55022 / EN6100-3-2/3

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