



Power Supply 24V 15A 1U

350-078

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1. ABOUT

Name	Item number	Email number
Power Supply 24V 15A 1U	1U01D10024P1501	5213517

Power supply 24V 15A is a rack-mounted power supply that can be used independently or together with Redundancy panel 1U or with a battery backup from Milleteknik.

Area of use: To supply power to access systems, locking systems and fire alarms and other facilities operated with 24 V DC.



READ THIS FIRST!

If possible, leave 100 mm of free space.

The system is intended for use in a controlled indoor environment.

Only authorized persons should install and maintain the system.

It is the installer's responsibility to ensure that the system is suitable for its intended use.

Documents accompanying the system must be kept in or in its immediate vicinity.

Ventilation should not be covered. Mains voltage should be disconnected during installation.

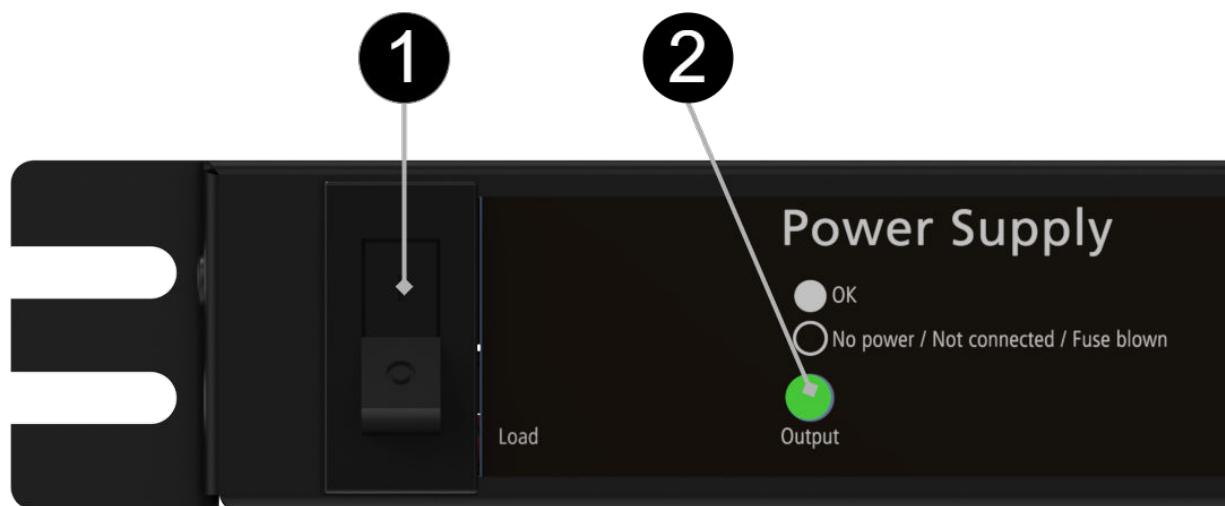
All information subject to change.

Upon installation of this product, the installer acknowledges and accepts the limitations of this product as described in this manual.

Instructions original language: Swedish.

2. COMPONENT OVERVIEW

Figure 1. Front

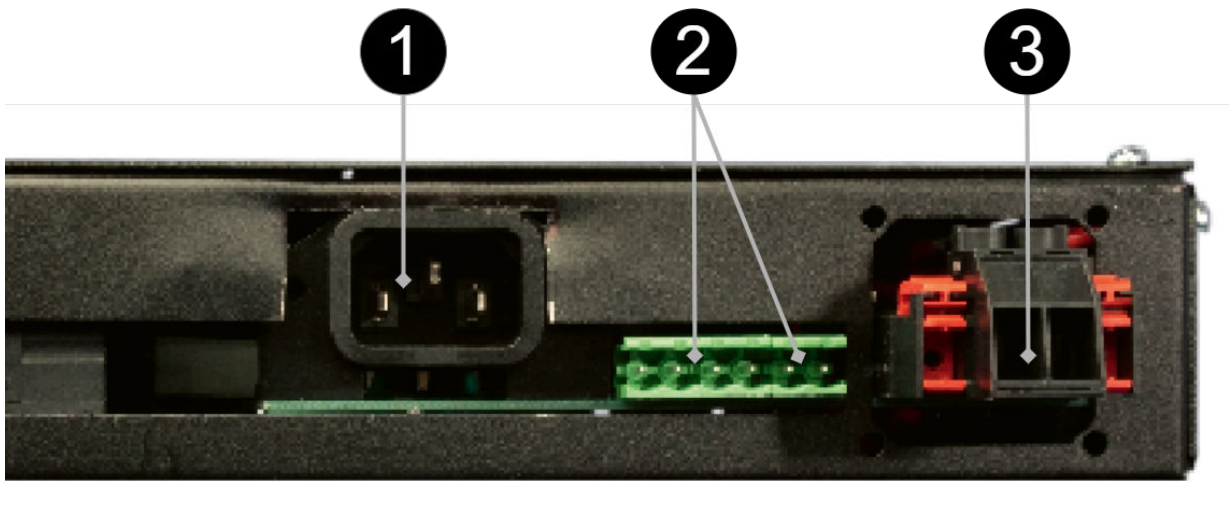


No	Explanation
1	Load on/off
2	LED





Figure 2. Back

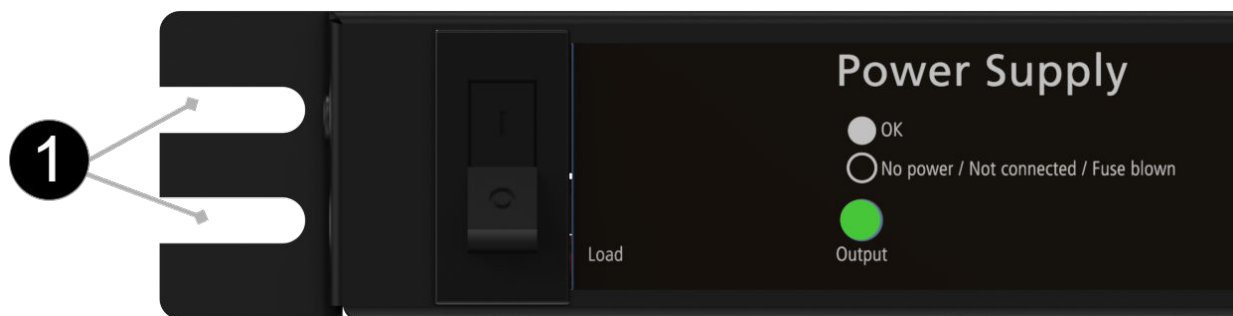


No	Explanation
1	Mains, 230 V in
2	Double sum alarm, NO/COM/NC+NO/COM/NC. Sum alarm: alarm in the event of a loss of voltage from the power supply unit after the load fuse has tripped.
3	Load -- / ++

3. ENCLOSURES

3.1. Installation in 19" rack

The unit must be mounted in a 19" rack. Bracket is screwed into rack with M6 screw and basket nut, at least one on each side. Use the appropriate screw and nut for the rack. Screw and nut not included.



No .	Explanation
1	The unit is screwed into a 19" rack.



3.2. Mounting

4. MAINS CONNECTION

Use 3-pin mains plug for connection to 230 V. [4]

5. CONNECT LOAD

24 V load is connected via quick contact. (Redundancy panel 1U is also connected here.) [5]

[Component overview](#)

6. CONNECT ALARM

Alarm is connected on the back. NO/CO/NC. Use any connection, the alarms are duplicated.

Total alarm: Alarm in the event of loss of voltage from the power supply unit after load protection.

6.1. Alarm functions

Double total alarm: Alarm in the event of loss of voltage from the power supply after load protection.

7. COMMISSIONING

After connection, startup must take place in the following steps:

1. Connect load.
2. Check that the fuse on the front is ON.
3. Voltage setting of power grid.

The device works normally when the indicator diode on lights up with a solid green light.

7.1. Recovery

Reset the unit by completely de-energizing the unit.

Disconnect battery wiring and mains voltage and reconnect after 5 seconds.





8. PANEL EXPLANATION

Table 1. Indicator diode on the front

LEDs	Explanation
Solid green	Ok - normal mode
Flashing green	Alarm
Turned off	No power from mains / not connected to mains / Fuse has tripped.

9. REGULATIONS AND CERTIFICATIONS

9.1. Requirements that the product meets

EMC:	EMC Directive 2014 / 30EU
Electricity:	Low voltage directive: 2014/35 / EU
CE:	CE directive according to: 765/2008



10. TECHNICAL DATA ENCLOSURES

10.1. Technical data 1U

Info	Explanation
Name	1U
Enclosure class	IP 20
Measure	Height: 44 mm, width: 244 mm, depth: 280 mm.
Height units	1
Mounting	19 "rack
Ambient temperature	+ 5 ° C - + 40 ° C. For best battery life: + 15 ° C to + 25 ° C.
Environment	Environmental class 1, indoors. 20% - 90% relative humidity
Material	Powder coated sheet metal
Color	Black
Cable glands, number	8



11. POWER SUPPLY

11.1. Power supply - Technical Data HRP-300-24

In:
Power Supply 24V 15A 1U

Info	Explanation
Output voltage	27.3 V
Output current	0 A - 14 A
Output voltage, ripple	150 mVp-p
Overvoltage	30 V - 34.8 V
Voltage recharge, ripple / current limitation	Less than 1.2 Vp-p
Efficiency	87%
Current limitation	105% - 135%
Constant voltage	+/- 0.5%
Regulatory accuracy	+/- 1.0%
Input current (230 V)	1,8 A
Mains voltage frequency	47 Hz- 63 Hz
Mains voltage	230 V AC - 240 V AC
Brand effect	336 W
Temperature range	-40 ° C - + 70 ° C
Humidity range	20% - 90% RH non-condensed

The power supply is adapted and calibrated with the battery / hardware of the battery backup. Only power and calibrated power supplies may be used. Contact support when changing power supplies. Use of power supplies coming from another source may cause damage not covered by the warranty. Warranty is canceled if power supplies (from a source other than support / designated by support) that are not correctly calibrated are used.

12. WARRANTY, SUPPORT, COUNTRY OF MANUFACTURE AND COUNTRY OF ORIGIN

12.1. Warranty

The product has a two-year warranty, from the date of purchase (unless otherwise agreed). Support during the warranty period can be reached at support@milleteknik.se or telephone, +46 31-34 00 230. Compensation for travel and / or working hours in connection with locating faults, installing repaired or replaced goods is not included in the warranty. Contact Milleteknik for more information. Milleteknik provides support during the product's lifetime, however, no later than 10 years after the date of purchase. Switching to an equivalent product may occur if Milleteknik deems that repair is not possible. Support costs may (at Milleteknik's discretion) occur after the warranty period has expired.

12.2. Country of manufacture

Country of manufacture / country of origin is Sweden. For more information, contact your seller.





12.3. Designed and produced by: Milleteknik AB

Designed and produced by Milleteknik AB

13. PRODUCT LIFE CYCLE, ENVIRONMENTAL IMPACT AND RECYCLING

The product is designed and constructed for a long service life, which reduces the environmental impact. The product's service life depends on, among other things, environmental factors, mainly ambient temperature, unforeseen load on components such as lightning strikes, external damage, handling errors, and more. Products are recycled by being handed over to the nearest recycling station or sent back to the manufacturer. Contact your distributor for more information. Costs that arise in connection with recycling are not reimbursed.



14. ABOUT THIS DOCUMENT

Article number of the document:

This document is subject to change without prior notice.

All information is published with reservation for printing errors.

14.1. About translation of this document

User manual and other documents are in the original language in Swedish. Other languages are machine translated and not reviewed, errors may occur.

15. ADDRESS AND CONTACT DETAILS

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