

Translation of original operating instruction
PS24-1500



1 General information

1.1 Notice

This document is part of the product. Keep this operating instruction for future references.

1.2 Scope of delivery

Check the delivery according to the delivery note.

Product designation

Art.-Nr.	Description
0503001.001	PS24-1500
	Operating instruction

1.3 Product description

The power supply is suitable for supply of one weather central unit Quadra®.

1.4 Limitations of liability

All information and notes in this operating instruction has been compiled in consideration of the applicable standards and regulations, the state of the art as well as our many years of knowledge and experiences.

The manufacturer assumes no liability for damages and operational mal-function due to

- disregarding this operating instruction
- improper use
- faulty connection
- non-use of original spare parts and accessories

1.5 Disposal

The disposal of this product in normal household waste is forbidden within the European Union.

Dispose of the device via the municipal collection points.

The packaging materials used are recyclable. Dispose of packaging materi-als that are no longer required according to local regulations.

1.6 Copyright

This documentation is protected by copyright.

All rights reserved, including those of photomechanical reproduction, copy-ing and distribution by means of special procedures (e.g. data processing, data carriers, and data networks), even in parts. Subject to technical changes and alterations in content.

1.7 Manufacturer/ Customer service

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2 Safety

2.1 Intended use

The power supply is suitable for supply of one weather central unit Quadra®.

Any other use or extended use is considered to be improper.

2.2 Foreseeable misuse

Any use for a purpose other than the above mentioned purpose is im-proper. The risk of improper use or misuse is borne solely by the operator.

All types of claims due to damage arising from improper use are excluded.

2.3 Personnel’s qualification

Improper use can cause considerable personal injury and material damage!

All tasks for installation, connection and commissioning must be carried out exclusively by a qualified electrician.

A qualified electrician is able to carry out work on electrical installations due to her/ his professional training, knowledge, and experience as well as knowledge of the relevant standards and regulations. She/ he can identify and avoid possible dangers.

The qualified electrician is trained for the specific place of employment in which she/ he is working and is aware of the relevant standards and regula-tions.

2.4 Basic safety instructions



⚠DANGER

Danger of life!
There is a risk of life when touching live parts.
▶ All tasks must be carried out exclusively by qualified person-nel.
▶ Disconnect all power supplies before starting work.



CAUTION

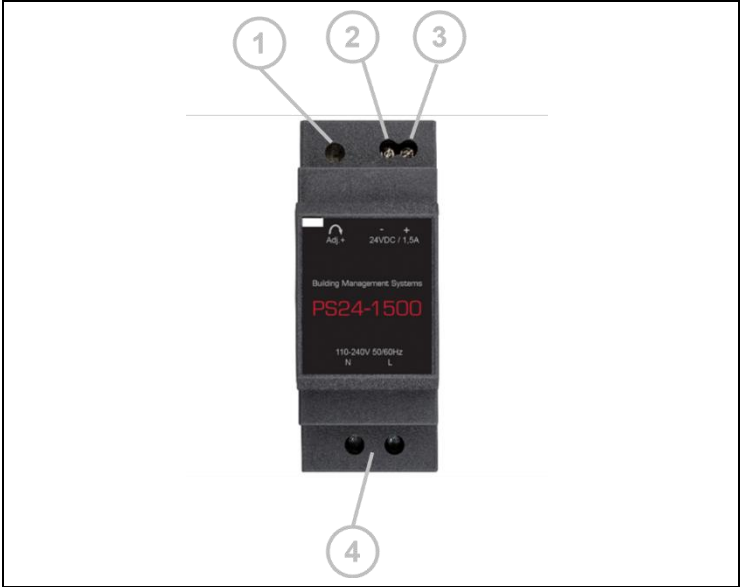
Material damage!
Incorrect wiring and configuration of the device can lead to damage up to total failure.
▶ Ensure that the supply voltage corresponds to the specifica-tions from the technical data for the device.

2.5 Signage

Symbol	Meaning
	General warning
	Electrostatic discharge
	CE label

3 Design and function

3.1 Complete overview



Location of control and display elements

- 1 Voltage Adjustment Tool
- 2 Output Voltage “-“
- 3 Output Voltage Connection “+”
- 4 Supply Voltage Connection

4 Installation

4.1 Mounting

To mount the device, proceed as follows

- place the device on the DIN rail in the desired position and lock in

5 Starting up

- Check device, clamps and connections
- Switch on the power supply and check the LED states
- Mount all covers, apply special labels, if necessary, update the technical documentation

6 Technical data

General		
Operating environment	Dry rooms (free of condensation) +5° to +45°C pollution index 2	
Mounting	DIN rail 35mm or equivalent	
Dimensions (W x H x D)	2 SU	
	34,5 x 90 x 58,4	mm
Weight	125	g



NOTICE

The connection and the wiring of the local operation units must be carried out according to the current PELV requirements.

Connection Data		
Supply voltage	100 too 260	V _{AC}
	47 to 63	Hz
Cable	2 wire	
	single/multiwire	
Connection	2,5	mm ²
Tightening torque	0,8	Nm
Current (typ.)	0,88 at 115 V AC	A
	0,48 at 230 V AC	A
Efficiency (typ.)	89	%
Protection	IP 20	
Degree of pollution	II	
Connections	0,75 – 1,5 single or fine wire	mm ²

Output		
Rated voltage	24 ±1%	V _{DC}
Rated current	1500	mA
Ripple max	150	mV _{PP}
Rated Power	36	W
Open Circuit Power	<0,5	W
Protection circuit	Short circuit proof, overload regulated, over voltage protected	
Connections	0,75 – 1,5 single or fine wire	mm ²
Tightening torque	0,8	Nm