



6 Channel Dimmer unit

Instruction Manual

Models:

DP 065 PG DP 065 SCH
DP 065 IL DP 065 SOX

ATTENTION!

This instruction manual contains important information about the installation and use of the equipment. Please read and follow these instructions carefully.

ATTENTION!

Always ensure that the power to the equipment is disconnected before opening the equipment or commencing any maintenance work.

1. General

IMPORTANT INSTRUCTIONS!

All safety and operating instructions should be read before the equipment is installed or operated.

IMPORTANT SAFETY INFORMATION

The following general safety precautions have to be observed during all phases of operation, service, and repair of this equipment. Failure to comply with these precautions or with specific warning in this manual violates safety standards of design, manufacture, and intended use of this equipment.

Do not operate in an explosive atmosphere

Do not operate this equipment in the presence of flammable gases or fumes. Operation of any electrical instrument in such an environment constitutes a definite safety hazard.

Water, moisture, heat and humidity

Do not operate this equipment near water or in areas with wet floors, also not in high humidity atmosphere where condensation forms on the equipment. It should never be placed near or over heat register or other source of heated air and it should not be installed or operated without proper ventilation.

Power connections

- This equipment must be earthed
- Wait for at least 10 minutes after the unpacking for adapting of the equipment
- Correctly to connect the power cable – 3 way (L+N+PE) CEE form input socket if required

Output connection

The output terminals are inside of the dimmer. Live, neutral and earth connections should be made to all load equipment. These instructions are valid for the version DP 065 PG.

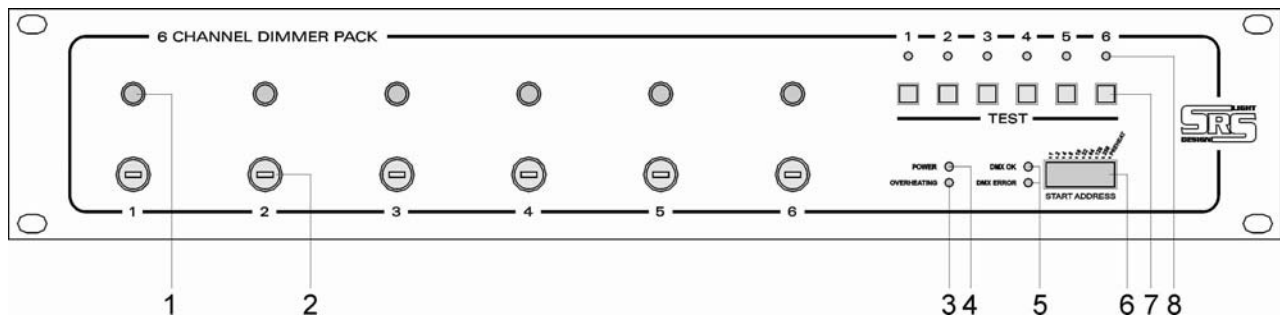
Input connection

Male and female DMX standard 5 pin XLR connectors are provided on the back panel for IN and OUT connections. This will also facilitate use of a low impedance terminator if the dimmer is the last equipment on the DMX line. DMX input is optically isolated.

Analog inputs (standard 0-10V) are provided in the form of 9 pin SUB-D socket.

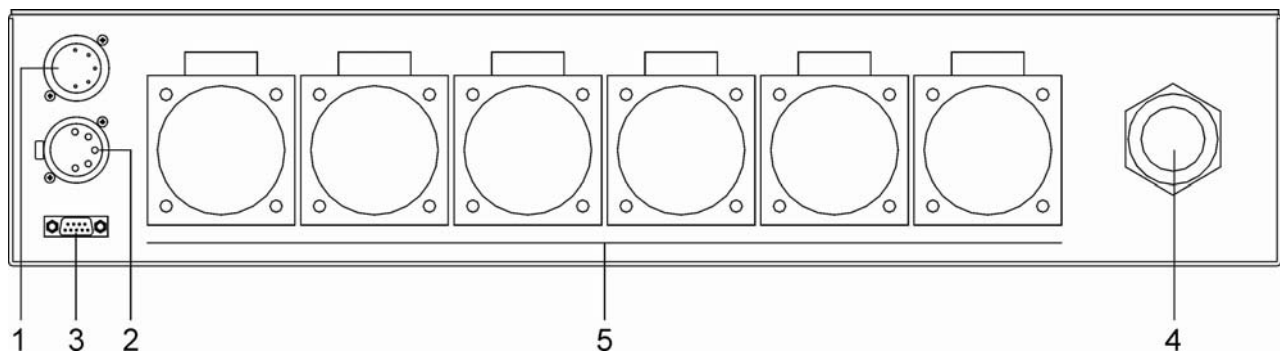
2. Functions and Control

Front panel:



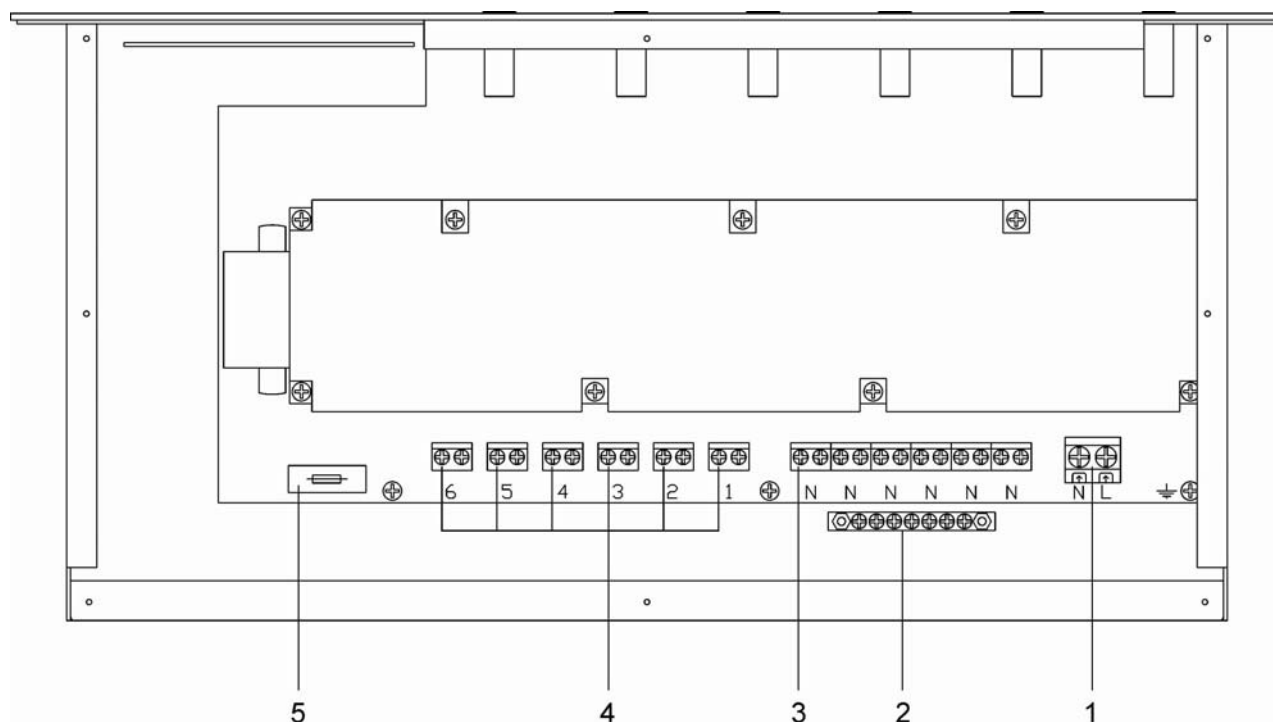
1. Glow lamp – output indication
2. Fuse – T 6,3A
3. Overheating indication
4. Indicator of main input
5. DMX status indication – OK, ERROR
6. DIP switch for set DMX address, preheat – 4%
7. Test buttons
8. Indication of input activity/test indication

Rear panel:



1. DMX input
2. DMX output
3. Analogue input – SUB D 9 pin
4. Power input
5. Outputs 1–6

Top View:



1. Input cable connector
2. GND terminal
3. Neutral cable connectors
4. Phase output connectors
5. Fuse for control board – 80mA

3. Technical data

Capacity:

-6 x 1450W (6.3 Amp/channel)

Interference suppression:

-Phase-angle control with triacs and in line precision filters

Protection:

-Short circuit protection by T fuses

Ventilation:

- Dimmer has 100% duty cycle
- Airflow site
- Automatic shutdown at critical temperature

Power Cable:

- H07RN-F 3 x 6 mm²

Colored marks of main cable:

Yellow-green	PE
Blue	N
Black	L

Power Output connectors:

DP 065 PG

- Screw terminal inside dimmer (top view)

DP 065 SCH

- 6 x Schuko outlet

DP 065 IL

- 1 x ILME 16 pin (compatible with Wieland, Harting, Procon)

DP 065 SOX

- 2 x Socapex EF 319

Housing:

- Steel housing with gray powder coating
- 482,6 x 88 x 250 mm

– 7.5 kg

4. In and Outputs connection

Pinout for the XLR connectors:

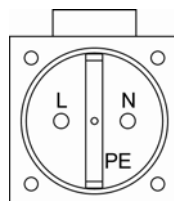
Pin 1	Ground (not connected with earth)
Pin 2	Data -
Pin 3	Data +
Pin 4,5	Not connected

The DMX output is wired 1:1 to the DMX Input.

Pinout for the SUB-D 9 pin connector:

Pin 1-6	channel 1-6, analog input (0-10V)
Pin 7-9	Ground (not connected with earth)

Pinout for the Schuko connectors:



Pinout for the SOCAPEX connector:

Pin 1,3,5,7,9,11	Phase 1,2,3,4,5,6
Pin 2,4,6,8,10,12	Neutral
Pin 13-19	Earth

Pinout for the ILME 16 connector:

Pin 1-6	Phase 1-6
Pin 9-14	Neutral

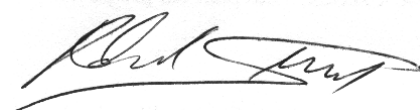
5. Parameters

Processor	RISC 8bit
Time response	< 4 ms
Filters	iron metal powder core
Input: USITT DMX 512 (1990)	XLR 5 pin
Input: Analog 0-10V, max 4 mA	XLR 3 pin
	9 pin SUB-D
Output: 6 x 6.3A	1x Socapex 19
Main 230V/50Hz, 40A	1x ILME 16
	6x Schuko
	Terminal connectors (fixed installation)
	Power cable 3 x 6 mm ²
Measurement	482,6 x 88 x 250 mm
Weight	7.5 kg

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Bratislava, 7th of February 2006



Robert Sloboda