



Digital Dimmer Unit

Instruction Manual

Models:

DDL4

version 1.0 since 3 February 2020

ATTENTION!

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

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

1. General information

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 the repair of this equipment. Failure to comply with these precautions or with specific warnings in this manual violates safety standards of design, manufacture, and the 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, or in high humidity atmosphere, where condensation forms on the equipment. It should never be placed near or over a heat register or other source of heated air. It should not be installed or operated without proper ventilation.

Power connection

Let the equipment adapt the environment for at least 10 minutes after unpacking. This device must be earthed. Use a screwdriver to insert cables into the terminals. Then attach terminal into green socket. Please make sure that all cables are wired properly (L+N+PE).

Output connection

The output terminals are located in the bottom part of the dimmer. Use a screwdriver to insert cables into the terminals. Then attach terminal into green socket. Each output features Phase and Neutral connection.

DMX Input connection

The DMX connection is done using the set of three terminals located on the right side of the dimmer. Use a screwdriver to insert cables into the terminals. Make sure to connect DMX -, DMX + and DMX common cables correctly. The DMX input is optically isolated.

2. Technical data

Dimming capacity

AC230V, 4x300W

Dimensions & Housing:

260 x 96 x 79 mm, Steel housing with gray powder coating

Weight:

1.86kg

Interference suppression:

Single-phase control with pulse-fired triacs

Protection:

T8A for the complete unit

T1.6A on the individual outputs

Cooling:

Passive - aluminum block

Functions and menu functions:

Controlling of special functions via display, three keys and an encoder

Easy change of power output connectors

Soft start

Temperature sensor

Load status

DMX signal status

DMX start address

Preheat and limits per channel

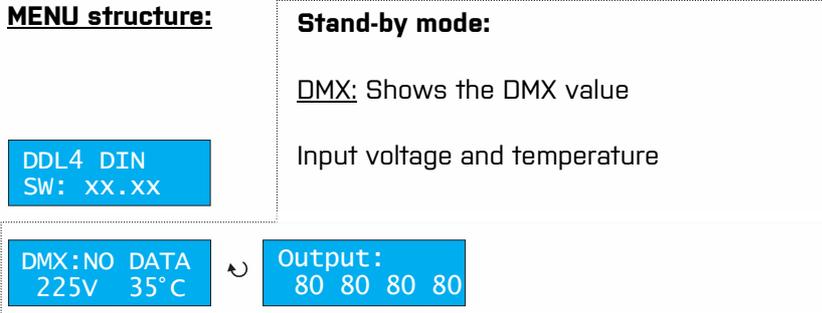
Hold function for output in case of the DMX data failure



3. Device use

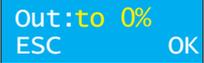
Device is controlled by an Encoder  (rotation and press) and 2 buttons: ESC and ENTER . See the symbol description for orientation in the menu.

MENU structure:



	PRESS ENCODER
	ROTATE ENCODER
<input checked="" type="checkbox"/>	PRESS ENTER
<input checked="" type="checkbox"/>	PRESS ESC TO EXIT

Set the DMX start address

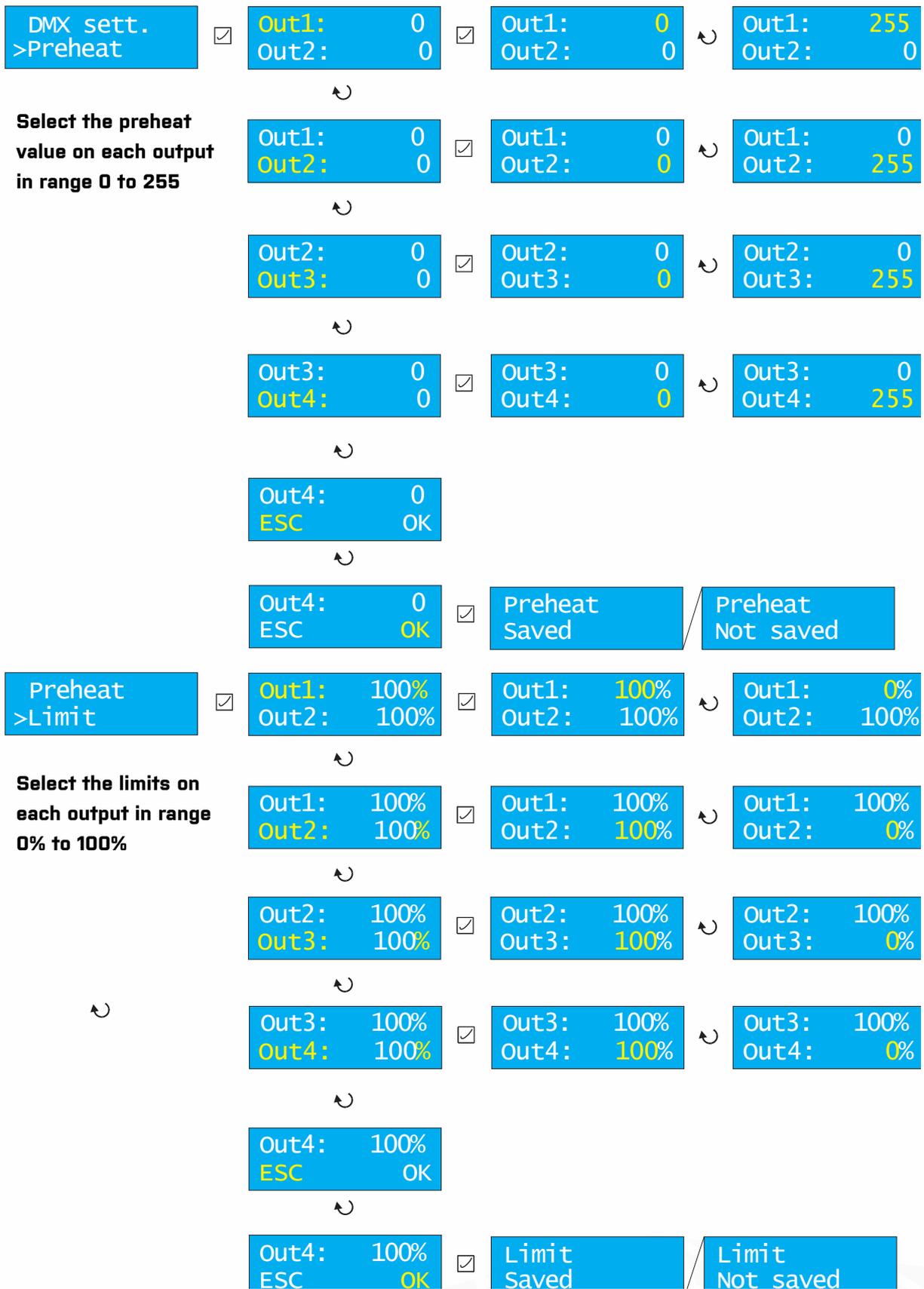


Select an action to proceed in case of a loss of the DMX signal

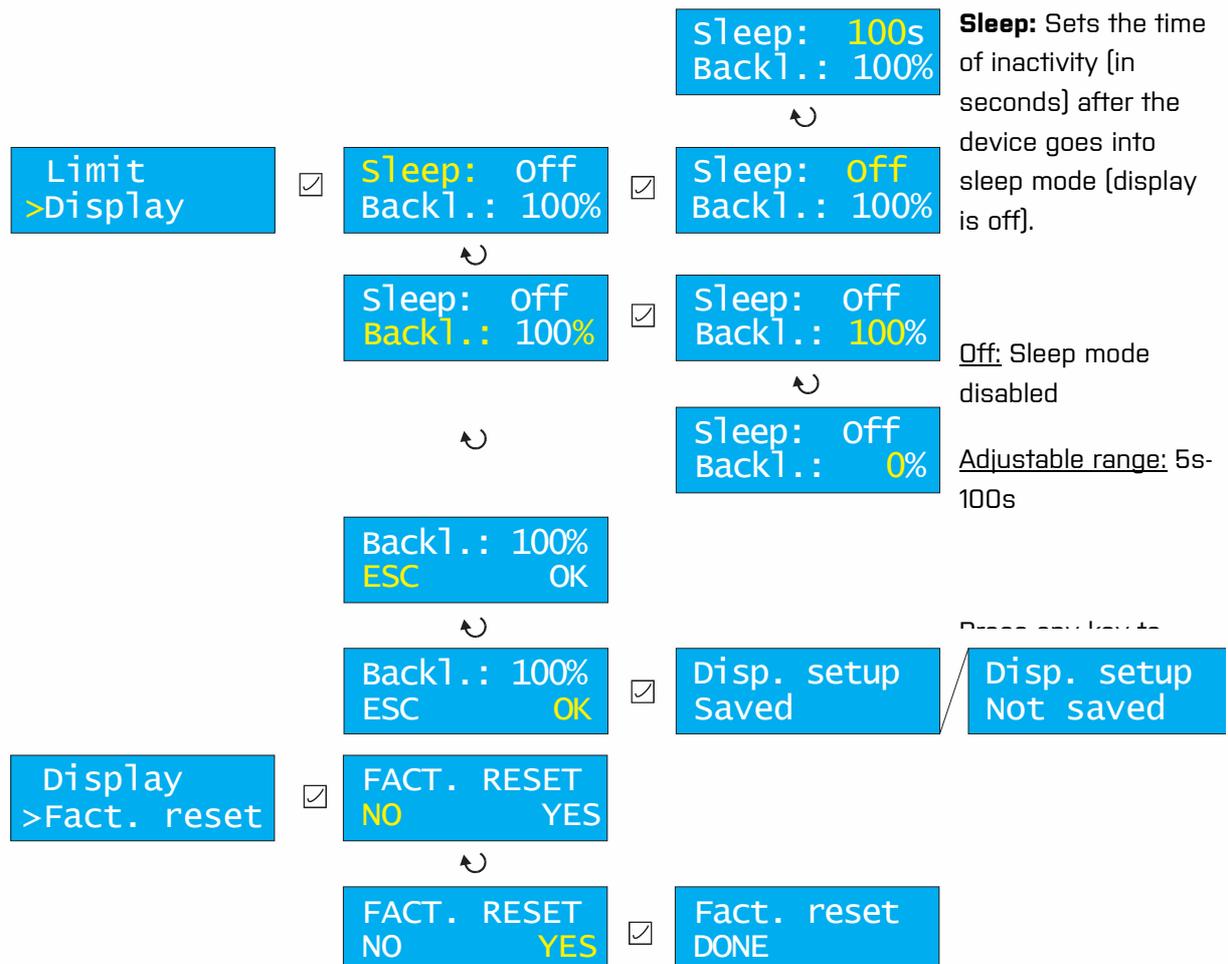


In case of the DMX signal loss, DDL can either hold the last DMX value or change the value to 0, 50 or 100% of the output. Use this setting to choose what happens when the DMX signal is lost.

This setting allows its user to choose the desired preheat value and select limits.

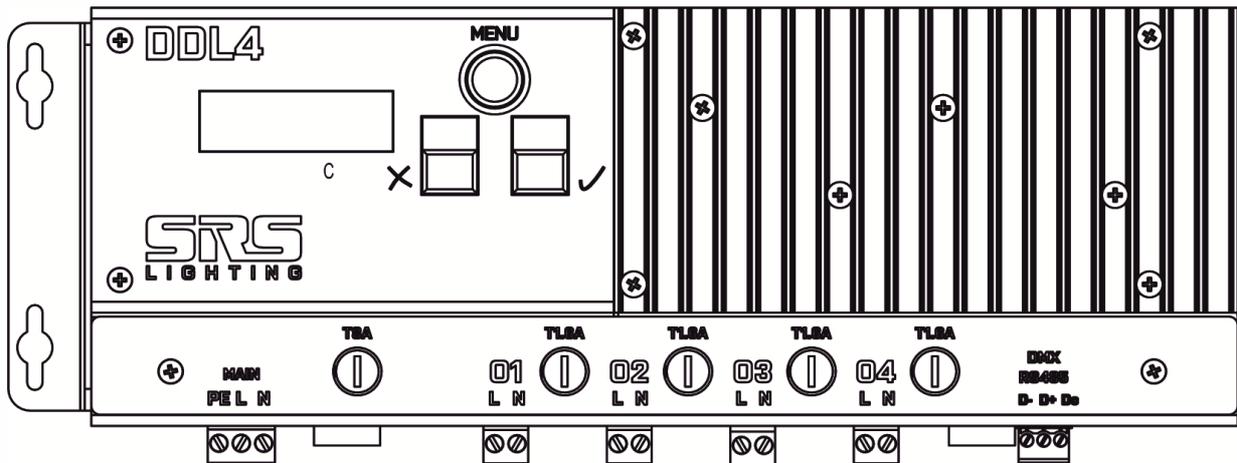


The display setting provides a sleep function and the backlight intensity adjustment.



Use the factory reset to recover the original factory defaults.

4. Inputs and Outputs:



MAIN Power input:

PE: Ground
L: Phase
N: Neutral

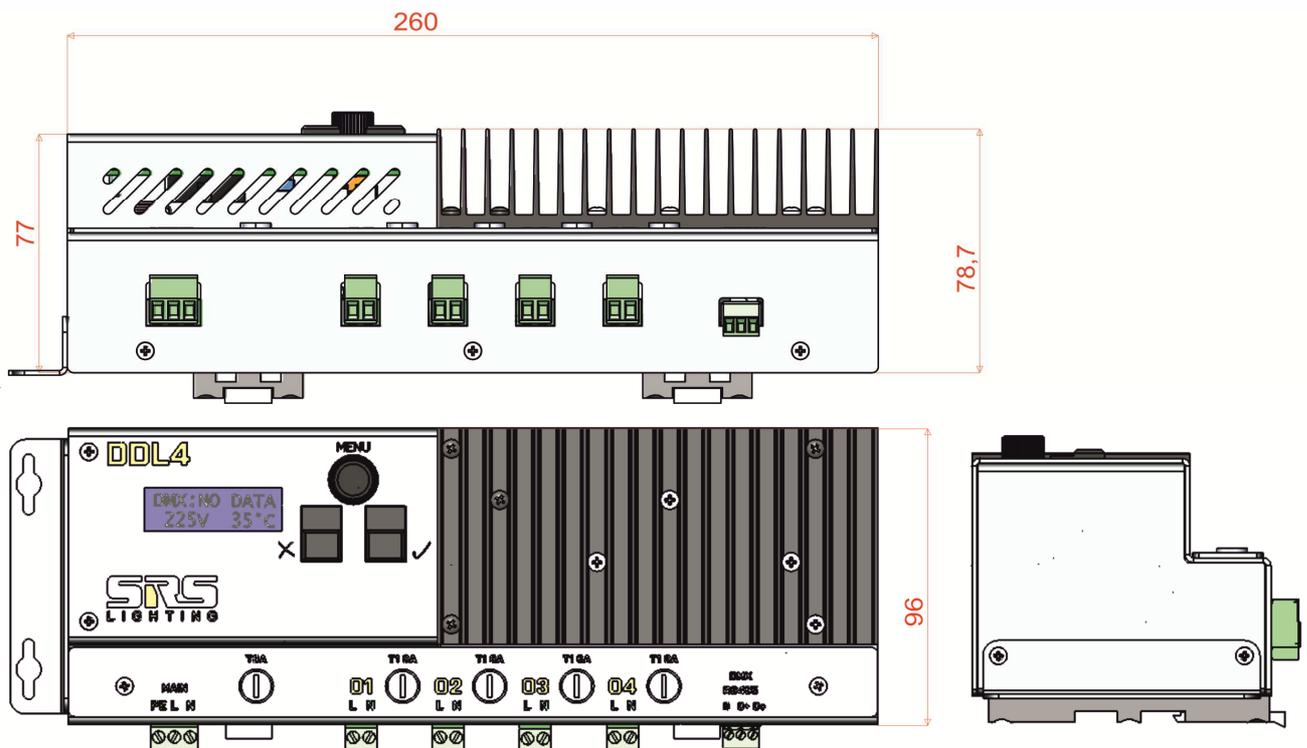
Outputs 1-4:

O#: Output channel connection
L#: Phase of the corresponding output
N#: Neutral of the corresponding output

DMX input:

DMX -
DMX +
DMX Common

Sketch:





Declaration of conformity

We hereby declare that the equipment described below conforms to its design, type and version introduced by us to the fundamental safety and health requirements of the EU Guidelines Machines.

Manufacturer:

SRS Group s.r.o.
Rybničná 36/D
83107 Bratislava
Slovakia

Declares that the product

Name of product: Digital dimmer pack
Type/version: **DDL4**

Correspond to the specification:

EN 60-950-1:2003
EN 55103-1:2000
EN 55103-2:2000
EN 60-598-2-17 1989 including amendments 1/2
EN 60-598-1 1992 including amendment 1

CE marking directive 93/68 EEC
Low voltage directive [2006/95/EG]
EMC directive [2004/108/EWG]

Bratislava, September 12, 2016

Robert Sloboda

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Document: DDL4_en_manual_M289 | Version 1 | Actual as of: 3 February 2020



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