General information

The PSU01SL (Slave) is a mobile Additional Power Supply Unit for 8, 16 and 32 channel systems to use within the CDSVAN conference system for power supply and data refresh.

The unit is additionally used with the power supplies PSU04 or PSU01MA to increase the number of the CDSVAN delegate or interpreter units in one line.

The maximum number of units which can be powered at the output of the PSU01SL depends on the necessary cable length within the customer specified system. For standard applications up to 18 units are possible.

The output of the PSU01SL is electronically short-circuit protected. In case of a short-circuit the output will be automatically switched off which is indicated by a red LED on the front panel. When the short-circuit has been removed the output will be automatically activated again.

Attention: The failure can not be removed by switching on and off (plug and unplug) the PSU! This could damage the output line.

1. PREVIOUS (RJ45-socket)
for the connection of previous units with CAT5 cable,
remote power-up: (24 ... 48)VDC

2. Short-circuit indication (Red LED)
for power failure indication (short-circuit)

Short-circuit protection:
Short-circuit < 2s: Current limit to 1.2A max.
Short-circuit > 2s: Output switched OFF
Output switched ON after 65s cycle time, if the short-circuit has been removed

3. DIP-Switch
for the adjustment of different cable lengths

Please use the following settings:
Short cables (<20m) at PREVIOUS/NEXT:
switch 1/2 to "SHORT"
Long cables (>20m) at PREVIOUS/NEXT:
switch 1/2 to "LONG"

4. Output indication (Green LED)
for +48VDC output indication

5. NEXT (RJ45-socket)
for the connection of next units with CAT5 cable,
48VDC / 1.0A nominal

6. Inlet connector for non-heating apparatus
for mains power connection with the enclosed mains connection cable.
Mains power in: (90 ... 250)VDC, (50 ... 60)Hz
Power Consumption: 60VA max

Set-up information

Please connect the necessary cables and proceed with the DIP-switch settings regarding to your specific system.

The PSU01SL switches itself on if a previous unit is connected to the input. This operation mode is indicated by a green LED on the front panel.

In case of a short-circuit, the corresponding red indication LED "POWER FAILURE"on the front panel will light up. (See "Short-circuit protection")