

CDD65/CDD122

PORTABLE DIMMER UNIT

6 x 5.75 kW (25A) / 12 x 2.3 kW (10A)

LIGHTING
Nova



The portable fully digital dimmer pack CDD65 / CDD122 includes comfortable dimmers and simple memory lighting control desk. It is based on a progressive digital technology and allows to control 6 / 12 power circuits, each with maximum load 25A (5kW) /10A (2.3kW). The pack is designed for 19"rack/flight-case in 3U height and is equipped with powerful microprocessor controlled unit, waterproof keypad and multifunction LCD on the front panel.

The dimmer unit CDD allows setting all usually used parameters for all separate channels. Besides that it is possible to set in 6 / 12 lighting cues and 6 / 12 effects with 12 steps each into the non-volatile memory (EEPROM). The dimmers can be controlled by digital signal DMX512/1990 or by analogue input voltage 0 /+10V. Power output control is realized by digital technology with 10 bits differentiation.

The CDD series is intended for creating mid-sized and large portable lighting systems for music and similar shows.

Main Features

- Power supply 3x230/400V 50/60Hz
- Power cable 5Cx6 with CEE 5x63A plug,
- Local or remote (through DMX512) switching of power supply by 25A air contactor
- Fusing each dimmer by 25A/10A C circuit breaker
- High short circuit resistance is guaranteed by 500A resistant thyristors
- Digital input and thru output DMX512/1990 - connectors XLR5
- analog input 0 /+10V -connector SUB-D25M
- power outputs – single sockets or two multiconnectors 16p
- High specification TV Broadcast standard filtering - RFI fulfils EN55014 (300µs)
- PLL technology for balancing of mains frequency fluctuation
- Cooling by two electronically controlled fans
- Possibility of keypad lock
- Simple exchange of thyristors without soldering.

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Programmable Features

Menu DIMMER allows these settings:

- All settings are available for single or all dimmers
- Max. output level in range 50 – 100%
- Preheat in range 0 - 20%
- Dimmer characteristics (LAW): Linear, Square, S-law, Nondim
- Response time range 0 - 1.0 sec
- Individual addressing (PATCH)
- Analog input addressing (ANALOG PATCH)

Menu SET allows these settings:

- 1st dimmer address from DMX512 in all range
- Test level for each dimmer (buttons on front panel)
- Unit behaviour when DMX signal is interrupted: DBO, Hold, Preset
- Fan operating mode: On, Off, Auto
- Language: English or German

Menu PRESET/CHASER allows:

- Programming of 6 / 12 lighting cues for 6 / 12 channels
- Cues fade (programmable time) by direct access from keypad
- Programming of 6 / 12 effects with max 6 / 12 steps
- Effects direct starting up by buttons on front panel
- Programming of effects speed rate
- Deleting of whole cues and effect

Accessories

Power connectors and cables:

- Power splitter boxes and extending cables with multiconnectors for connection far-away loads – PS6 (6 sockets), PS26 (2x6 sockets), PC6 (ext. cable 12G1.5 with connectors Wieland)
- Separate power connectors and cables

Analog and digital control connectors and cables

Available Versions

- CDD65S – 6x sockets CEE 3x32A
- CDD65W – 2x connector Wieland BA6
- CDD122S – 12x sockets
- CDD122W – 2x connector Wieland BA16A



Technical Specification

	CDD65	CDD122
Dimmers	6	12
Lighting Cues	6	12
Programmable Fade Time		0-30s
Effects	6	12
Power Supply	3 x 230/400V / 50/60Hz + PE +N	
Max. Supply Current	3 x 50 A	3 x 40 A
Maximal Total Load	34.5 kW	27.6 kW
Maximal Permanent Load	30 kW	24 kW
Maximal Load per Dimmer	25 A (5.75kW)	10 A (2.3kW)
Minimal Load per Dimmer		40 W
Maximal Surrounding Temperature		40 °C
RFI Suppression		300 µs
Control Analog Voltage		0 /+10V / 0.5 mA
Control Digital Signal		DMX512/1990
Dimensions (WxHxD)	482x133x505mm	
Weight	22 kg	