

CD80 Dimmer Packs

Portable and permanent applications



Features

- Rugged dimmer packs for portable and permanent applications
- Full range of capacities: 24 - 1.2kW, 12 - 2.4kW, 24 - 2.4kW, 6 - 6kW, or 6 - 12kW
- All controls are recessed and flat front circuit breakers are used to prevent accidental damage to key components. All circuit breakers provide positive trip indication.
- Fully digital processor with simple to use front panel setup with alpha numeric display
- User selectable fade curves as well as minimum and maximum level selection
- Dual DMX inputs with mode selection. Daisy chain output passes combined levels on to next pack
- DMX input patching
- Local indicators for phase and over temp
- Plug-in processor
- Input and output XLR connectors for daisy chaining packs
- Entire pack is UL and CUL approved as an assembly and appropriately labelled
- Toroidal chokes for high-quality filtering
- Full range of output connectors: stage pin, twistlocks, u ground and multi-pin socapex

SPECIFICATION SUBMITTAL

CONSULTANT <input type="text"/>	PROJECT NAME: <input type="text"/>	MODEL NUMBER QUANTITY: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
DATE: <input type="text"/>	PROJECT NUMBER: <input type="text"/>	APPROVED BY: <input type="text"/>

Strand Dimming Systems

Mechanical Data

Weight: 2.4/6.0kW 12.0kW
 65lb (29kg) 85lb (38.2kg)
 Packed Volume: 5.7 cu ft
 HxWxD: 8.5" (216mm) x 23" (597mm) x 20" (508mm)
Finish: Gray powder coat epoxy paint
Construction: Rigid folded sheet steel

Environmental Data

Operating Temperature: 0°C to +35°C
Storage Temperature: 5°C to +55°C
Humidity Range: 10% to 95% non condensing

Electrical Data

Supply Voltage/Frequency

1.2kW, 2.4kW, 6kW:
 Three phase: 120/208V 50/60Hz
 12kW:
 Three phase: 120/208V 50/60Hz

Distribution

Three phase: 4-wire + ground

Pack Isolation

2500V between low and high voltage sections of SSRs

Total Capacity

2.4kW Max current (12/24 Dimmers): 3/0 4W 160A
 6.0kW Max. current: 3/0 4W 100A
 12.0kW Max. current: 3/0 4W 200A

Load Connections

Dimmer outputs are provided on the rear of the pack as follows:
 2.4kW: grounded pin or grounded twistlock(20A) with multi-pin Socapex connectors
 6kW: grounded pin 12kW: grounded pin (100A)

Supply Connections

12kW: Terminal strips or Cam-lok Circuit Protection
 Each dimmer module is protected by a fully magnetic circuit breaker of 10kA fault current rating

Operating Data

Control Input

Packs will support two DMX inputs with input patching and priority assignments. Local control at the processor permits on/off operation and level setting using the Set Level commands built into the processor
 DMX: 5-pin XLR, optoisolated from dimmer electronics

LED Indicators

Protocol in use, over temperature and phase
 Control Cable Entry

Control Input

5-pin XLR DMX
 2 - 5-pin DMX A and B

Local Control

Push buttons (full/normal) plus "panic" feature for instant on

Max Heat Dissipation

Approx 3-5% of connected load (Convert watts to BTUs)

Cooling Method

100CFM low noise fan

Dimmer Data

No of Dimmers: 12 or 24 x 2.4kW; 6 x 6.0kW; 6 x 12 kW
 Dimmer Firing: Digital
 Max/min Dimmer Loads: Min 12W Max 2.4, 6.0, and 12.0kW
 Rise Time/Filtering: 350 microseconds
 Over Temperature Protection: If SSR heatsink overheats, the O.T. indicator will turn on and the pack will shut down

Ordering Information

Cat No Description

CD80 Digital Pack 2.4kW

Digital dimmer pack with twelve or twenty-four 2.4kW dimmers. Includes low-noise cooling fan and primary circuit breakers.

- 73205 CD80 2.4kW pack, 12 dimmers, primary circuit breakers, GP and Socapex sockets
- 73206 CD80 2.4kW pack, 12 dimmers, primary circuit breakers, GTL and Socapex sockets
- 73210 CD80 2.4kW pack, 12 dimmers, primary circuit breakers, two 20A GTL connectors per dimmer
- 73211 CD80 2.4kW pack, 12 dimmers, primary circuit breakers, two 20A GP connectors per dimmer
- 73216 CD80 2.4kW pack, 12 dimmers, primary circuit breakers, terminal strip output
- 73240 CD80 2.4kW pack, 24 dimmers, primary circuit breakers, one 20A GTL connector per dimmer
- 73241 CD80 2.4kW pack, 24 dimmers, primary circuit breakers, one 20A GP connector per dimmer
- 73245 CD80 2.4kW pack, 24 dimmers, primary circuit breakers, terminal strip output
- 73247 CD80 2.4kW pack, 24 dimmers, primary circuit breakers, Socapex outputs, Camlock inputs

CD80 Digital Pack 6kW

Digital dimmer pack with six 6kW dimmers. Includes low-noise cooling fan and primary circuit breakers.

- 73227 CD80 6 kW pack, 6 dimmers, primary circuit breakers, Camlock inputs, one 60A GP connector per dimmer

CD80 Digital Pack 12kW

Digital dimmer pack with six 12kW dimmers. Includes low-noise cooling fan and primary circuit breakers. Choice of portable pack with one 100A GP connector per dimmer and Camlock input connectors or wall mounted pack with terminal strip for permanent wiring

- 73230 CD80 12kW pack, 6 dimmers, primary circuit breakers, Camlock inputs one 100A GP connector/dimmer.

CD80 Digital Packs Accessories

- 76471 Pack Controller for 6 dimmer packs
- 76475 Pack Controller for 12 dimmer packs
- 76476 Pack Controller for 24 dimmer packs

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