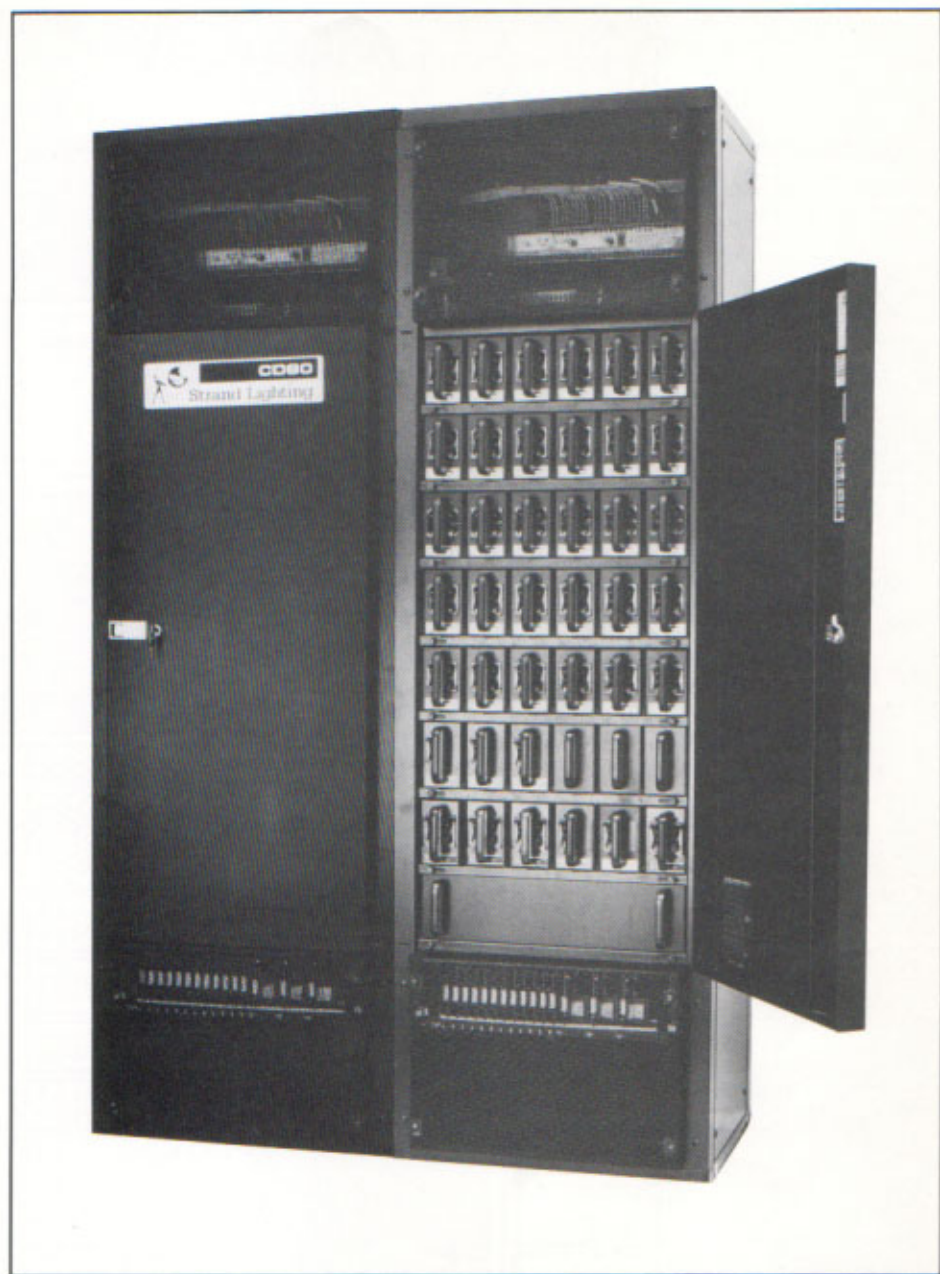


CD80 Dimmer Banks

Reliable, compact dimmer banks over — installed systems

- ◀ Extremely shallow—only 17³/₄" (.45m) deep
- ◀ Up to 96—2.4KW dimmers in 24¹/₂" (.62m) width
- ◀ Ideal for dimmer per circuit applications
- ◀ Equipped with quiet fans to maintain operating temperatures
- ◀ Designed to reduce installation cost
- ◀ Plug in dimmers have self-aligning dimmer connectors for easy insertion and removal
- ◀ Full length guides for positive dimmer alignment



Specifications

The Dimmer Bank shall consist of a free-standing, factory assembly of dimmer rack(s) constructed of 3/16" (5mm) steel angle top and bottom frames, 14 gauge roll formed posts and a 1/8" (3mm) aluminum backpanel. Removable cover panels shall be provided for each end of the Dimmer Bank. Each dimmer rack shall include removable dimmer trays, fan module, top and bottom vent grills and a hinged latching front door. Rack components shall be designed for easy removal and installation so that the Dimmer Bank is completely open and empty during contractor's wiring.

Each dimmer rack shall have provisions for up to 48 plug-in dimmer modules each containing either two 2.4KW dimmers, one 6KW dimmer or one 12KW dimmer. For 220 volt applications, dimmer module capacities are dual 2.2KW, dual 5.5KW, single 6.6KW and single 11KW. The maximum number of 12KW dimmer per rack is 24; remaining spaces may be filled with 2.4KW and/or 6KW dimmers.

Guides shall be provided on the dimmer trays for ease of insertion and withdrawal of the dimmer modules. A tapered housing shall be provided on the rack and dimmer module connectors to assure positive alignment of the module and to protect the connector pins from insertion damage. All power and signal connection shall be factory wired and neatly dressed. Adequate space shall be provided for contractor wiring alongside factory installed wiring. A tubular screw termination point shall be provided for each contractor load and neutral wire. Terminals shall also be provided for two twisted pair multiplexed signal wires, two overtemp wires and auxiliary wires as required. All terminals shall be clearly marked and all connectors and wiring shall be accessible from the front of the rack.

Plug-printed circuit cards containing demultiplexing circuitry, firing circuitry and power supply shall be housed near the base of the rack in an easily removable module. There shall be no commonality of circuitry be-

tween cards and each card shall contain separate and independent dimmer drive circuits.

Two 10" low noise fans shall be mounted in the base of the rack to maintain the temperature of all components at proper operating levels with all dimmers under full load, provided ambient room temperature does not exceed 40°C. An automatic fan shut-off which is activated when the control console is turned off shall be provided to extend fan life. Each rack shall have provisions for an optional automatic thermal shut-off of all dimmers in the rack should the safe operating temperature of the rack be exceeded. Indicator pilot lights shall be provided for each phase.

The size of the Dimmer Bank shall not exceed 80" (2.03m) high x 17³/₄" (.45m) deep x 24" (.62m) times the number of racks wide. The entire Dimmer Bank assembly shall be U.L. approved and appropriately labelled. Finish shall be black semi-gloss baked enamel.

CD80 Dimmer Banks

Dimensions:

1. Load neutral buss
2. Control terminals
3. Over temp. pilot light
4. Removable air outlet vent
5. Removable side panels
6. (96) dimmer load terminals
7. (2) 10" fans
8. Removable air inlet vent
9. Removable/lockable hinged door (Typ./Rack)

*Contractor's entrance - bottom and sides for power feed only, top for loads and controls (Typical each Rack)

