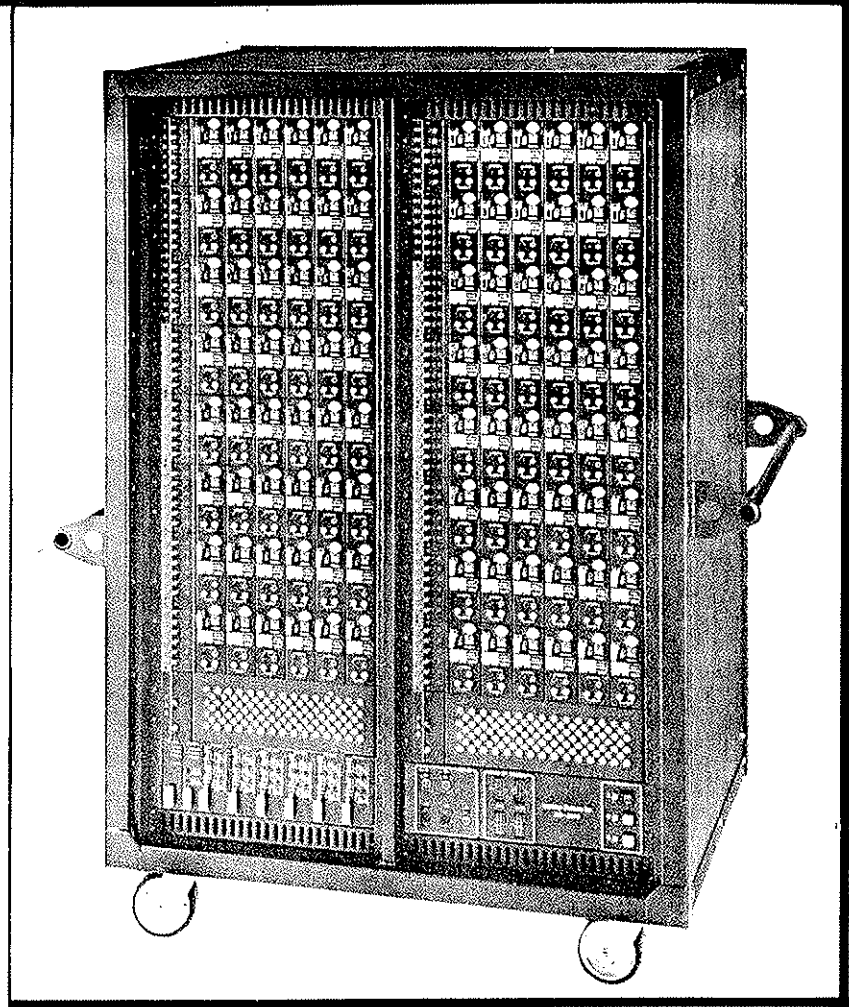


RD Digital Dimming System



The PRD 96 x 2400 portable dimmer rack puts dimmer-per-circuit flexibility and RD-Digital Dimming System reliability on the road in one package.

Rack frames are fabricated from steel tubing and structural shapes welding into a unitized assembly. Exterior cladding is rugged 3/4" 13 ply birch plywood finished with polyurethane. All exterior corners are formed by the steel frame or are steel covered for additional durability.

Dimmers are the LMI RD-Digital Dimming System. Dimmers are plug-in modules with 1/4 turn retaining latch mounted in a 19" chassis. Each module has an associated fully magnetic circuit breaker, line, load and signal indicators and a signal bump button.

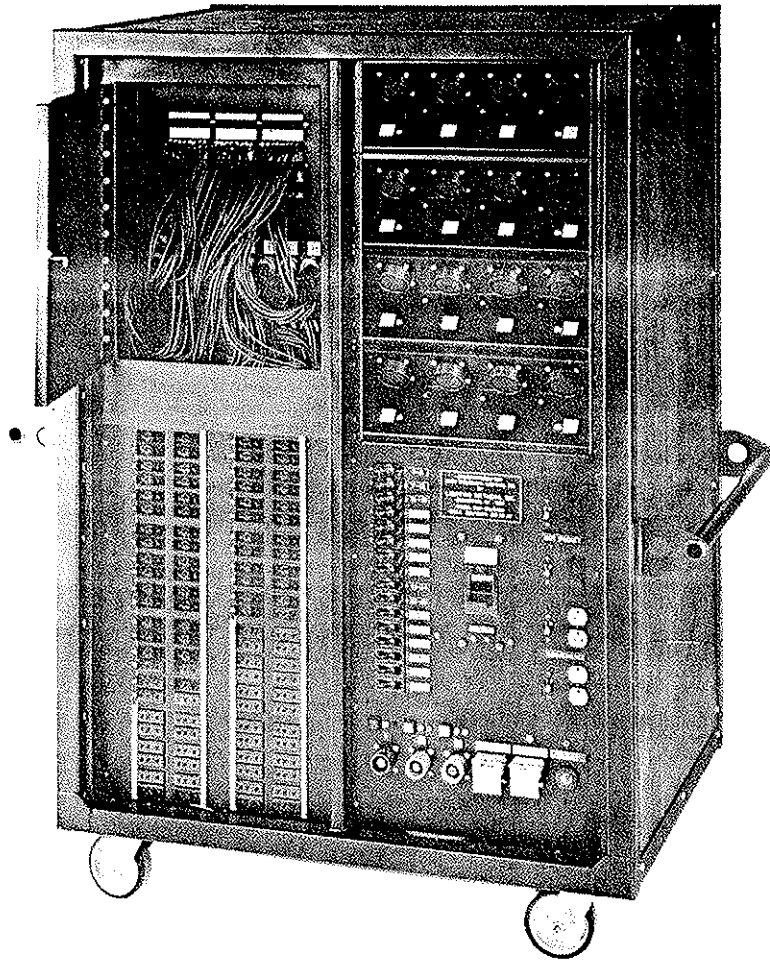
All dimmer control electronics are modular and plug into a separate chassis. Digital electronics are standard to work with LMI consoles; CH200, DESIGNER[®], IDEA[™], and CONCEPT 250[™]. Analog control is available as are interface electronics to most other consoles.



Lighting Methods Inc.

PO BOX 1411
ROCHESTER, NY 14603
(716) 546-8710

PRD-96x2400 Touring Rack



SPECIFICATIONS

GENERAL: The PRD-96 x 2400 touring rack shall be designed and constructed using advanced state-of-the-art technology to provide continuous service in touring situations. Dimmer-per-circuit flexibility shall be designed into the rack to allow its use with different control schemes and in different system configurations.

FRAME: The frame shall be designed to accept EIA 19" standard rack mount components and protect them from physical hazards of touring. All frame components shall be steel. Front and rear frames shall be 2 x 2 x 1/8 inch steel tube joined by 1 x 1 x 1/8 inch steel tube. Rack size including casters is 44 1/2" W x 60" H x 32" D. Rack cladding shall be steel plate and 3/4" 13 ply Baltic birch plywood stained, finished and inset between the front and rear frames. Removing either side panel shall allow access to interior of the rack. All other corners shall be protected with formed steel angles. Doors shall recess flush into front and rear frames and be secured by coffin latches. Heavy duty handles with integral lifting eyes shall be supplied on each end.

DIMMER: The PRD-96x2400 dimmer rack contains 96 2400W plug-in dimmer modules in 16 chassis. Dimmer performance varies depending on the electronics selected. (See appropriate data sheet for additional information.)

Power connection is via 6 J series camlock connectors. (1 connector per phase, double neutral per 1984 National Electric Code and Ground.) Connectors have a power on indicator lights. Main circuit protection is provided by a 400A 3 pole adjustable trip circuit breaker with a minimum of 40000 AIC.

OUTPUT: Each dimmer shall feed 1-20A 3 pole pin connector and two outlets in a cord and plug patch panel (192 total.) 16 - 37 pin 20A multi-conductor connectors shall be provided and wired to 192 patch cords. Patch panel shall allow assignment of any circuit in the multi-conductor connectors to any dimmer (maximum of 2 circuits per dimmer.) All outputs and patch cords and plugs shall be appropriately and clearly labeled. In addition 2 - 20A 3 pole illuminated duplex convenience outlets shall be provided. All dimmer outputs and the patch shall be mounted on EIA standard 19" panels. Custom output configurations are available.

CONTROL: Control connections for LMI digital protocol are contained in the RD-2040 connector/overvoltage chassis. Control input to interface electronics for other manufacturers control consoles, including analog, are available