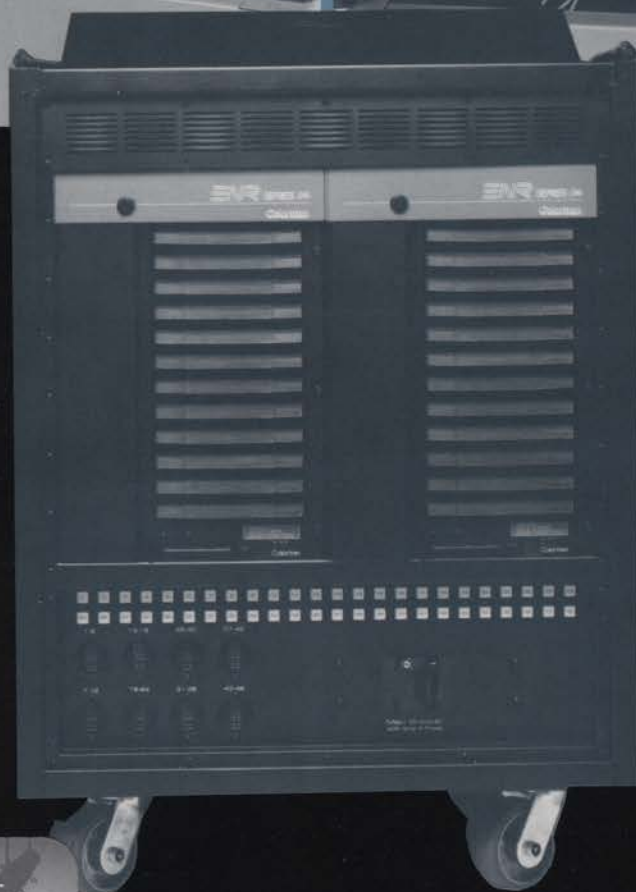


# Dimming

Colortran Dimming for Theatre and Television

PRODUCT GUIDE



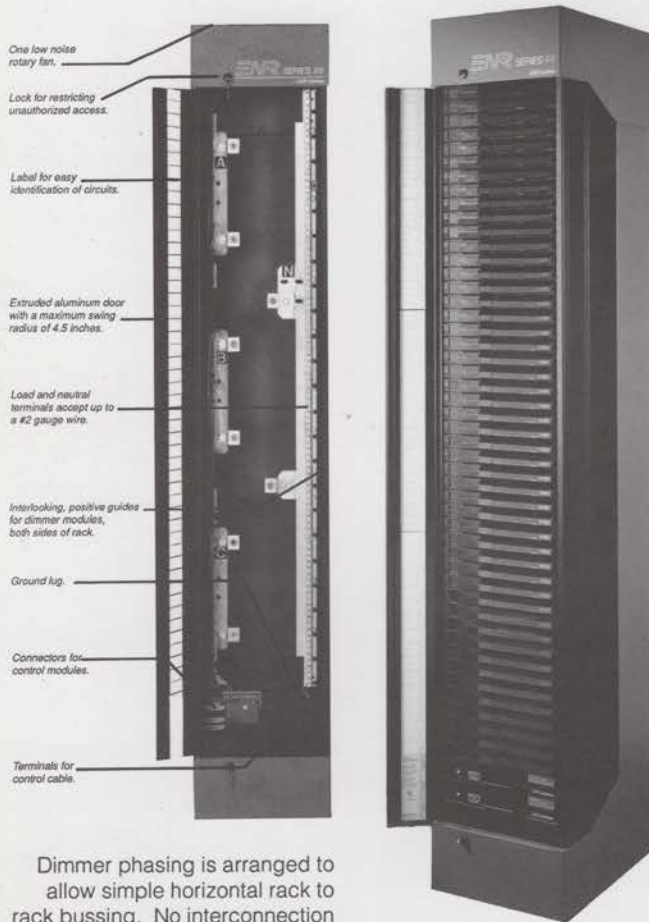
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LIGHTING  
ENTERTAINMENT LIGHTING & SUPPLIES

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Colortran

# ENR Dimming - Series 96 and Rolling Rack



- One low noise rotary fan.
- Lock for restricting unauthorized access.
- Label for easy identification of circuits.
- Extruded aluminum door with a maximum swing radius of 4.5 inches.
- Load and neutral terminals accept up to a #2 gauge wire.
- Interlocking, positive guides for dimmer modules, both sides of rack.
- Ground lug.
- Connectors for control modules.
- Terminals for control cable.

Dimmer phasing is arranged to allow simple horizontal rack to rack bussing. No interconnection of feeder cable required. Each dimmer neutral terminal is located in an easily accessible area adjacent to the load terminal.

## Standing Rack

ENR 96 contains forty-eight plug-in dimmer modules available in 120 volt dual 1.8kW, 2.4kW and single 6.0kW capacities, 240 volt dual 2.5kW and single 5.0kW capacities.

Plug-in dimmer and control modules make the ENR 96 rack fully serviceable. Top and bottom access panels are removable for line and load runs. Maintenance is handled from the easily removable front panel.

Ambient air is drawn through the dimmers and exhausted through the rack. The airflow is not drawn over any electrical connections. No filter is required.

Designed to operate on single or three phase power, 120 or 240 volts. 100,000 A interrupt capacity available.

Ninety-six user-programmable panic switches are located inside the ENR 96 rack.

UL Listed. CSA Certified.

## Rolling Rack

Frame welded aluminum conforming to mil spec. #QQA200/8. 5" heavy duty 360° locking swivel casters with 3 point lubrication.

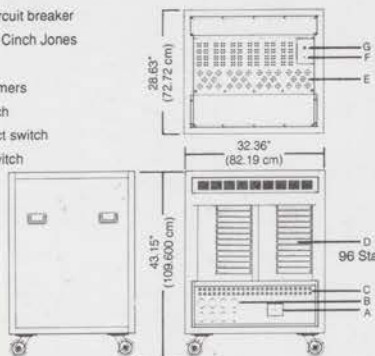
48 - 2.4kW ENR dimmers. 48 x 96 or 48 x 192 high voltage patch. 12 circuit Pyle National multi-pin connectors. 6 circuit Veam multi-pin connectors. 300 Amp or 400 Amp main breaker. 48 or 96 20 Amp main breaker.

Dim/Non-dim switch selectivity. Dimmer test switches. Custom configuration.

Worklight, hot pocket and convenience outlet.

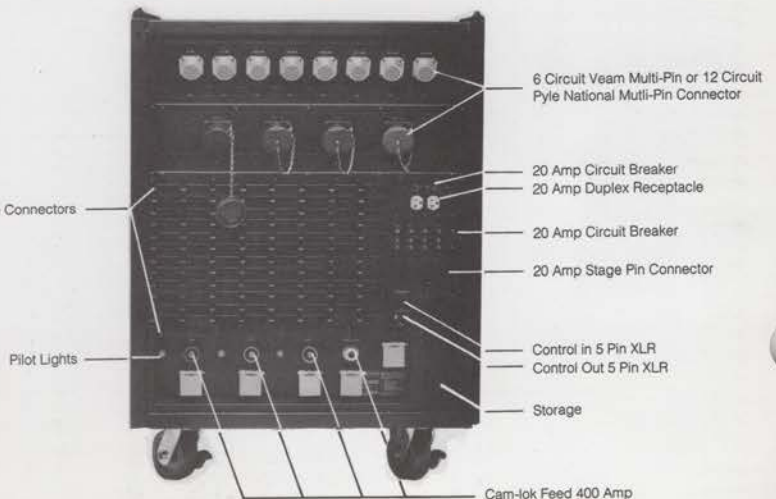
Control electronics accept DMX, AMX, CMX, 0-10 VDC Analog. Designed to operate on single phase or three phase power.

- A 400 Amp main circuit breaker
- B Analog control in Cinch Jones
- C Test switches
- D 48 - 20 Amp dimmers
- E High voltage patch
- F 50/60 Hertz select switch
- G Voltage select switch



The ENR Rolling Rack measures 43.15"H x 32.36"W x 28.63"D and weighs a manageable 540 lbs. This Rolling Rack is compatible with 95% of available control signals. The patch panel can handle 48 inputs and 192 outputs and can be configured in 6 circuit multi-cable, 12 circuit multi-cable or stage pin connectors. Terminal, Cam-lok or Cam-lok circuit breaker feeders are also options.

## Output Configuration:





# ENR 24 Wall Mounted Rack



ENR 24 contains twelve plug-in dimmer modules available in 120 volt dual 1.8kW, 2.4kW and single 6.0kW capacities, 240 volt dual 2.5kW and single 5.0kW capacities.

Plug-in dimmer and control modules make the ENR 24 rack fully serviceable. Top and bottom access panels are removable for line and load runs. Maintenance is handled from the easily removable front panel.

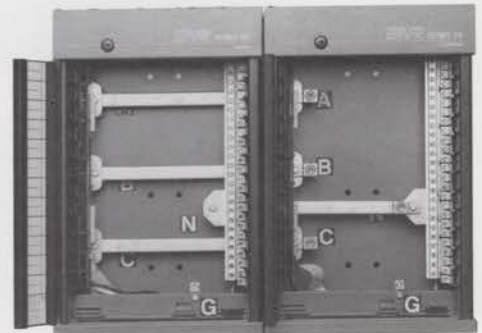
Ambient air is drawn through the dimmers and exhausted through the rack. The airflow is not drawn over any electrical connections. No filter is required.

Designed to operate on single or three phase power, 120 or 240 volts. 100,000 A interrupt capacity available.

Twenty-four user-programmable panic switches are located inside the ENR 24 rack.

## Power Bussing

Dimmer phasing is arranged to allow simple horizontal rack to rack bussing. No interconnection of feeder cable required. Each dimmer neutral terminal is located in an easily accessible area adjacent to the load terminal.



UL Listed. CSA Certified.

# ENR WALL PACK Surface and Semi-Recessed

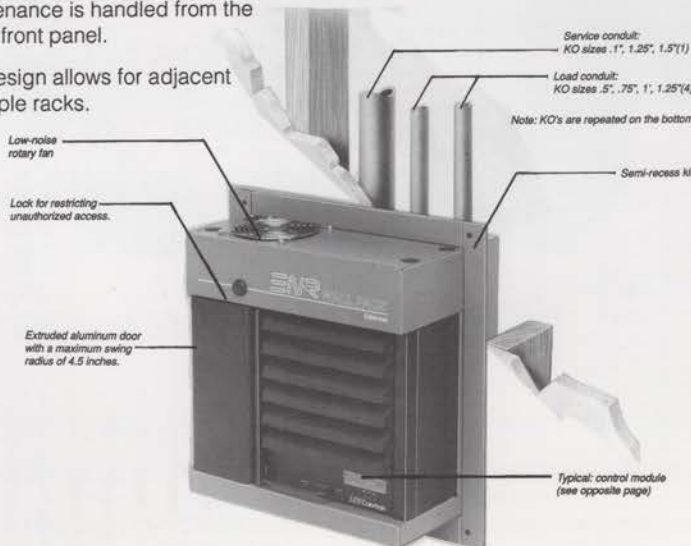
ENR Wall Pack contains six plug-in dimmer modules available in 120 volt dual 1.8kW and 2.4kW capacities, and 240 volt dual 2.5kW capacity.

Plug-in dimmer and control modules make the ENR Wall Pack fully serviceable. Top and bottom panels pre-punched with knockouts for line and load runs. Maintenance is handled from the easily removable front panel.

ENR Wall Pack design allows for adjacent mounting of multiple racks.

Locking door to prevent unwarranted access to ENR Wall Pack.

Ambient air is drawn in through the dimmers and exhausted through the pack. The airflow is not drawn over any electrical connections. No filter required.



Smaller, Quieter  
And More Efficient.

Kit available for semi-recessed mounting, making it possible to hide conduit runs.

Twelve user-programmable panic switches are located inside the ENR Wall Pack.

Designed to operate on single or three phase power, 120 or 240 volts.

UL Listed. CSA Certified.

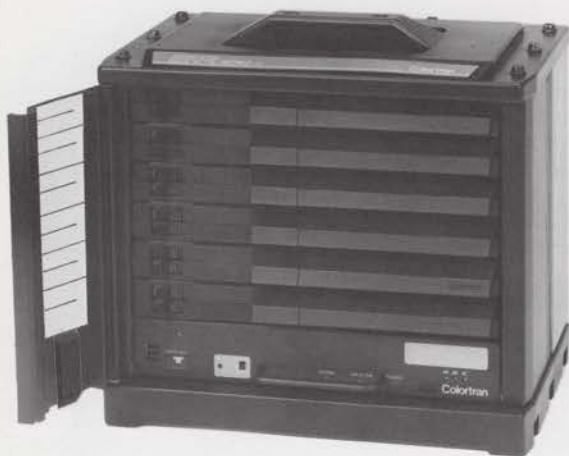
600-100 Series

# Portable Packs 120/240 Volts



Durable pack housing allows for stacking, and compact design demands very little floor space.

Colortran redefines portable dimming technology - unique rugged packing and dependable performance.



Plug in dimmer modules. Plug in electronic control module.

Lightweight - only 46 lbs.

Robust molded rubber top and bottom enclosure - built to endure the demands of the road.

Available in 1.8kW, 2.4kW and 6.0kW, 120 volt and 2.5kW, 5.0kW, 240 volt. Single or three phase power.

Digital or universal control module available.

UL Listed. CSA Certified.



Choose the output configuration to fit your needs.

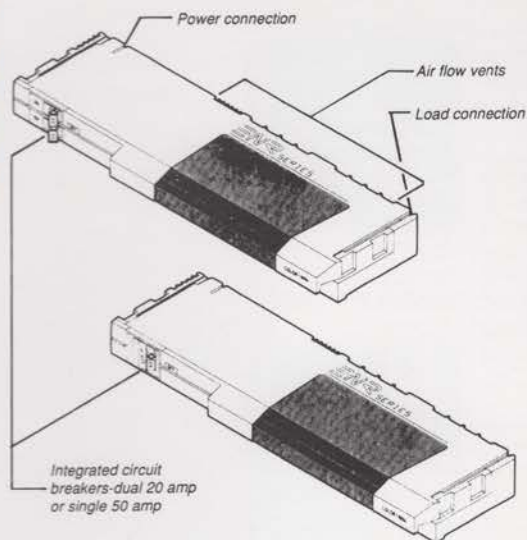
## Ordering Information:

Catalog No.	Description
600 - 102	12- 2.4kW dimmers with 24 - 20 Amp, 3 wire, Pin Connectors, 120 Volt
600 - 104*	12- 2.4kW dimmers with 12 - 20 Amp, 3 wire, Duplex U Ground (NEMA 5 - 20) Receptacles, 120 Volt
600 - 224	12- 1.8kW dimmers with 12 - 15 Amps, 3 wire, Duplex U Ground (NEMA 5 - 15) Receptacles, 120 Volt
600 - 106	12- 2.4kW dimmers with 12 - 20 Amp, 3 wire, Twistlock (NEMA L5 - 20) Receptacles, 120 Volt
600 - 112	6 - 6.0kW dimmers with 6 - 50 Amp, 3 wire, Pin Connectors, 120 Volt
600 - 116*	6 - 6.0kW dimmers with 6 - 50 Amp, 3 wire, Twistlock Connectors, 120 Volt
600-108	12-2.4kW dimmers with blank rear panel.
600-118	6-6.0kW dimmers with blank rear panel.
600-208	12-2.5kW dimmers with blank rear panel.
600-218	6-5.0kW dimmers with blank rear panel.
CAM-LOK FEEDER KIT	
600-300	150 Amp, 4 wire plus ground.
600-301	150 Amp, 4 wire plus ground with 3 pole main circuit.



166-000 Series

# ENR Dimmer Modules - 120/240 Volts



ENR dimmer modules are available in 120 volt dual 1.8kW, 2.4kW and single 6.0kW capacities. 240 volt dual 2.5kW and single 5.0kW capacities.

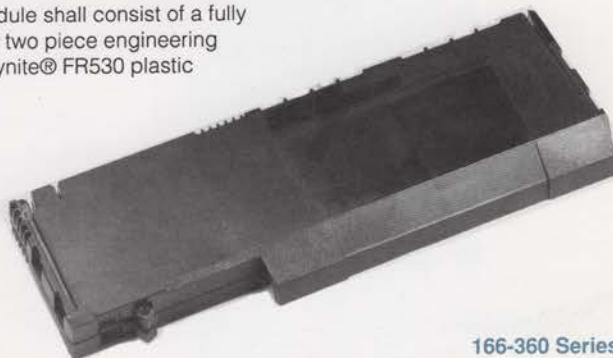
The ENR Universal dimmer module operates with incandescent, fluorescent, low voltage, neon, cold-cathode and non-dim loads.

Each module shall consist of a fully enclosed two piece engineering grade, Rynite® FR530 plastic chassis.

All heat generating components shall have separate ambient air intakes to eliminate heat build up from component to component.

Safe, non-conductive, cool surface construction.

UL Recognized. CSA Certified.



166-360 Series

Compact Design - Each module is 1.25"H x 12.0"W x 4.0"D.  
Lightweight - Total dimmer module weight: 2.5 lbs.

Plug In Capability

## Control Modules

### Digital/Analog and 120/240 Volt

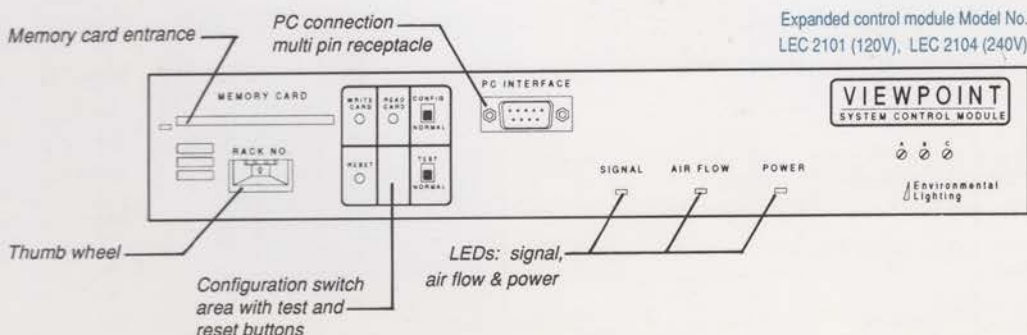
Control modules are comprised of completely digital electronic circuitry including a high-speed microprocessor. Indicator LEDs show that power is present and the system is functioning properly. If any phase is missing or improperly wired, the indicator will blink. Each control module also has a user-selectable rack number thumbwheel.

The Standard or Expanded Control modules act as the brain of the Viewpoint control system. The Expanded control module allows for remote programming and downloading of the Viewpoint system features with a PC AT/XT computer. Both the standard and expanded control modules are equipped with EEPROM memory storage facility.

The ENR universal control module will accept USITT AMX-192 and 0-10V analog control signals in addition to Colortran and DMX-512 dimmer protocols. This module also features non-dim select switches for each dimmer.

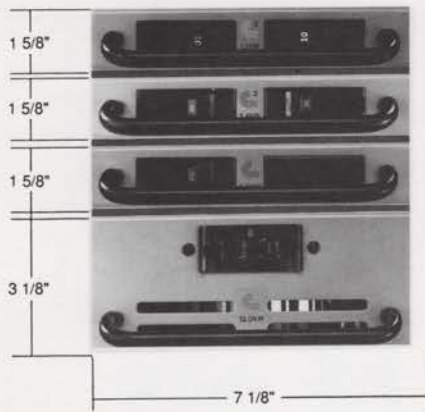


240 Volt Control Modules also available. Contact factory for ordering information.



Expanded control module Model No. LEC 2101 (120V), LEC 2104 (240V)

# Dimension 192



The plug-in module controls all 64 dimmer locations in a vertical column. There are three control modules per rack. The module controls all functions of dimming. Front panel indicators show status of feeder bus bars and power supply, signal status and rack overtemp.

192 - 1.2kW or 2.4kW dimmers per rack.

Each dimmer is independently cooled with ambient air from the front of the rack.

Top and bottom access panels for line & load runs.

Plug-in dimmer and control modules make the Dimension 192 rack fully serviceable.

D192 dimmer modules are available in 120 volt dual 1.8kW, 2.4kW, single 6.0kW and double 12.0kW; 240 volt dual 2.5kW, single 5.0kW and double 10.0kW.

Dimmers of different ratings (1.2kW, 2.4kW, 6.0kW and 12.0kW) may be located anywhere in the rack.



## Distribution: Connector Strips, Floor Pockets, Plugging Boxes & Ceiling J-Boxes

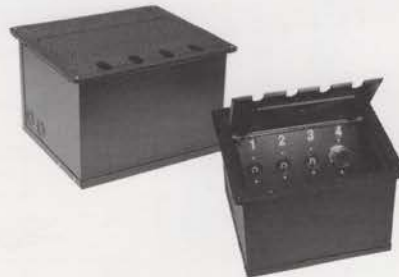


Connector Strips, Grid/Ceiling and Plugging Boxes are made of code gauge steel housing, designed for surface or pipe mounting. All assemblies are finished in black matte enamel. Large white numbers permit circuit identification from floor of stage or studio.

Plugging Boxes are available in three basic configurations: surface mounted, recessed and pipe mounted with "U"-bolts or C-clamps. Receptacles are flush or pigtail type.

Flush receptacles or pigtails are available in three types of connectors: pin, twistlock or U-ground.

Grid/Ceiling Junction Boxes for connection of multi-conductor cable drops between hard conduit feeds and connector strips. For circuits from 20 amps to 100 amps.



### Plugging Boxes 174-000 Series



### Surface Mounted



### Pipe Mounted



### Ceiling J-Box 175-000 Series



### Junction Box Size/Capacities

Box Size	2 Wire Circuit Capacity			
	20A	30A	50/60A	100A
4" x 6" x 12"	6	6	4	3
4" x 10" x 18"	13	13	9	6
6" x 12" x 24"	21	21	15	10
6" x 15" x 24"	34	34	24	16
6" x 24" x 30"	63	63	45	30
6" x 24" x 36"	87	87	63	42

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