



# *Mole-Richardson Co.*

**TYPE 42540**

## **20KW DMX A.C. MOLELETRONIC® DIMMER (208/240V)**



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### **FEATURES**

The 20KW A.C. solid state electronic dimmer designed by Mole-Richardson® allows motion picture studios to remotely dim lights at the fixture, rather than connections to rack mounted dimmers. The 20KW Dimmer will run from 208/240 volts A.C. input, dim 0 to 20,000 watts of A.C. from full intensity to complete blackout. This dimmer is especially useful in prolonging the life of large wattage lamps by preventing large inrush currents on a cold filament. The dimmer may be operated manually from a control on the dimmer or operated remotely via a DMX protocol. The Type 534121 Single DMX Slider Control can also be used to operate this and other DMX devices. The dimmer output is fully protected from overloads and short circuits.



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### 20KW DMX A.C. MOLELETRONIC® DIMMER (208/240V)



## SPECIFICATIONS

**DIMMER:** Type 42540.

**INPUT RATING:** 208/240 volts, A.C., 3-wire, 100 amps.

**OUTPUT RATING:** 206/238 volts, A.C., 100 amps.

**REMOTE CONTROL:** DMX

**INPUT POWER CONNECTION:** 100 amp, male, 208/240 volts A.C., 3-pin connector, flush mounted in front panel.

**OUTPUT POWER CONNECTION:** 100 amp, female, 208/240 volts A.C., 3-pin connector, flush mounted in front panel.

**REMOTE CONTROL SWITCH:** Double pole, double throw, remote/local rocker lever switch.

**CIRCUIT PROTECTION:** 100 amp, double pole, A.C., circuit breaker.

**PILOT LIGHTS:** Red light on top of circuit breaker indicates if dimmer is energized or de-energized. White light indicates dimmer status. The intensity of pilot load light increases or decreases in accordance with dimmer output.

**CONSTRUCTION:** Solid and perforated aluminum.

**FINISH:** Clear anodized cover with red anodized nameplate.

**SIZE:** 9<sup>5</sup>/<sub>8</sub>" x 10<sup>1</sup>/<sub>2</sub>" x 18<sup>3</sup>/<sub>4</sub>".

**WEIGHT:** 46 lbs.

**OPERATION:** The Dimmer is controlled locally from "Full Brightness" to "Blackout" by a manual control slider on the front panel. The Dimmer can also be operated from the DMX receptacle on the front panel.

## ACCESSORIES

534121 Remote DMX-512 Single Slider

59742 DMX Cable—50 ft.

59750 DMX Cable—25 ft.

59751 DMX Cable—10 ft.

59757 DMX Cable—5 ft.

5001648 Extension Cable (100 Amp)—100 ft.

5001316 Extension Cable (100 Amp)—50 ft.

5001507 Extension Cable (100 Amp)—25 ft.



Type 534121  
DMX Remote Single Slider



Type 59742  
50 ft. DMX Cable



Type 5001507  
50 ft. Extension Cable

