Digital DMX 512 Controllers for CD-80® Portable Dimmer Packs
Specifications

1.1 Modular design of the unit shall make installation and any future service requirements fast and easy. The controller shall contain the main processor and all ancillary control electronics for the dimmer pack.

1.2 Dimmer control outputs shall be designed for precise and reliable control of the existing CD80® portable dimmers. It shall never be necessary to adjust ramp circuits for proper dimmer output.

1.3 The units shall accept DMX512-A digital data protocol allowing industry wide compatibility with most control consoles. DMX input and DMX thru connectors shall be provided on the face panel of the controller. Duplication of these DMX inputs will also be provided at the rear of the controller for units that are "hardwired" in permanently installed locations via conduit. Both DMX inputs shall be opto-isolated from all other control circuitry as well as isolated from each other.

1.4 End-of-line DMX termination shall be programmable in the **PT-PACK** controller and internally assignable in the **CD-PACK** controller.

1.5 The control electronics shall be capable of controlling up to 12 dimmers in the CD80® pack.

1.6 The **PT-PACK** controller shall accept up to 12 analog inputs (0-10 volt DC). The analog inputs shall function in a pile-on or HTP mode with the console control DMX signal.

1.7 Each individual dimmer in the dimmer pack shall be capable of being assigned one of three dimmer curves; square law, linear, or direct.

1.8 The controller shall include an LED indicator for power supply and microprocessor status. The LED, when illuminated, shall indicate normal operation, and when flashing shall indicate a hardware fault. A power supply or power failure, shall cause the LED to extinguish.

1.9 The controller shall include three LED's for phase detect and one LED for data receive indication. Loss of accurate phase detect signal and/or valid DMX data shall cause the corresponding LED to extinguish.

1.10 The controller shall incorporate fan control circuitry designed to interface with the OEM wiring. Controller software will allow for an additional five (5) minutes of air evacuation from the dimmer pack with loss of input control signal.

1.11 In the event of a dimmer "over temperature" signal, the controller will activate a "OT" red LED on the controller face and disable all dimmer outputs.

Specifications subject to change without notice.

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