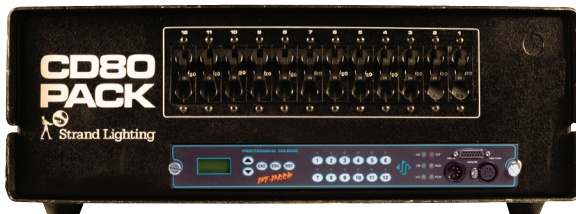# CD/PT PACKS

Digital DMX 512 Controllers for CD80® Portable Dimmer Packs

Two versions of retrofit electronics designed specifically for Strand CD80® (portable 12 pack and portable 6 pack dimmers) are available: The PT-PACK (Professional Touring) version offers features that exceed the OEM control electronics, while the CD-PACK is a lower cost solution designed for facilities with more permanent installations and needs. Both units are designed as direct replacement for the existing control electronics tray and simply "plug-in".

DMX input and state-of-the-art high speed processing make upgrading these ruggedly built "work-horse" dimmer packs fast, simple, and inexpensive!

Strand CD80® Pack with JSI **PT-PACK** digital DMX 512 controller

- Direct "plug-in" retrofit compatible with OEM dimmer pack wiring.
- Opto-isolated DMX input and output (thru) with gold pin XLR connectors.
- Environmentally sealed face panel for resistance to the elements.
- Advanced line voltage regulation ensures stable and accurate dimmer output levels at all times.
- LED Status indication of power, phase reference, data receive and over-temp.

PT-PACK Features

- Hi-resolution, backlit LCD display.
- Programmable features permit customization of control.
- 12 Analog inputs (0 -10VDC).
- Environmentally sealed face panel for resistance to the elements.
- Voltage and frequency display.

CD-PACK Features

- Internal "tamper-proof" DMX addressing and configuration.

JOHNSON SYSTEMS INC.

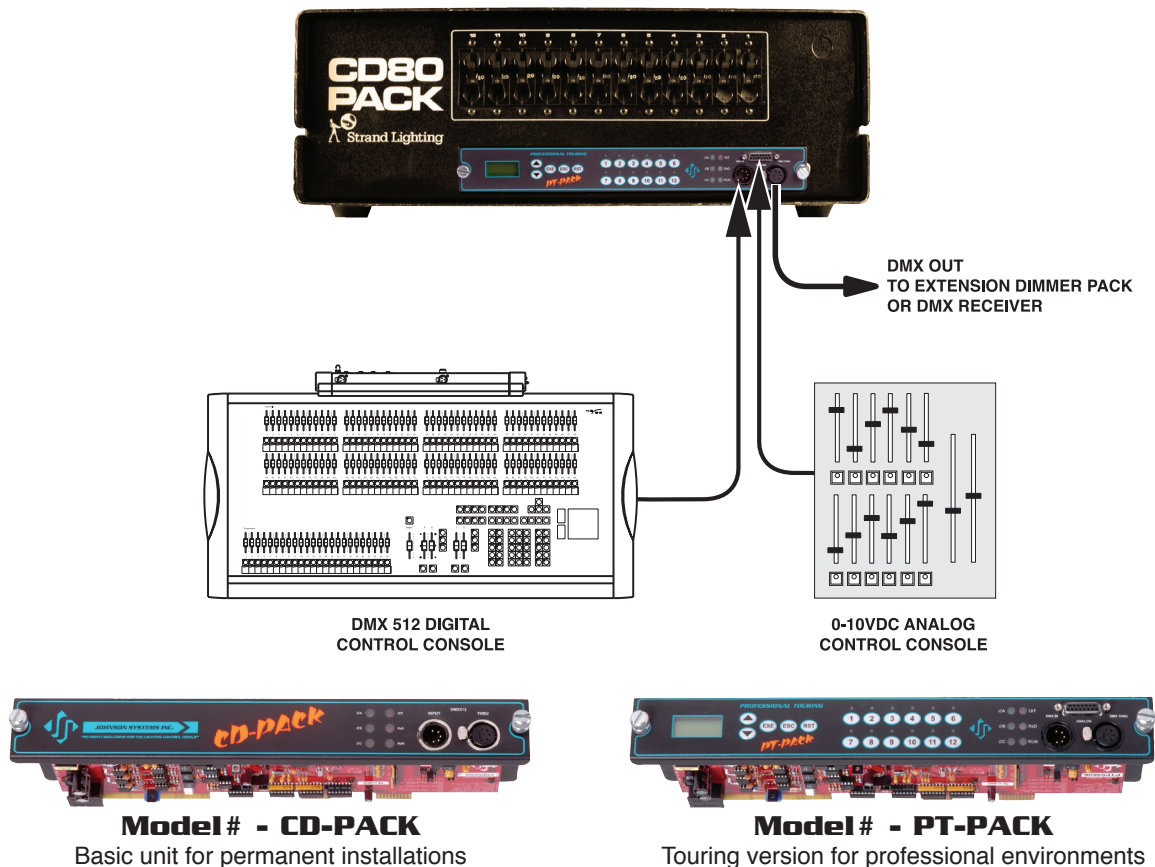*"PROGRESSIVE ALTERNATIVES IN LIGHTING CONTROL"*

MANUFACTURER MEMBER

ESTA

ENTERTAINMENT SERVICES & TECHNOLOGY ASSOCIATION

DIGITAL DMX 512 CONTROLLER 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 DMX 512-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 internally assignable in both the PT-PACK and CD-PACK controllers.

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.

Strand CD80® Pack with JSI **PT-PACK** digital DMX 512 controller

DMX OUT
TO EXTENSION DIMMER PACK
OR DMX RECEIVER

DMX 512 DIGITAL
CONTROL CONSOLE

0-10VDC ANALOG
CONTROL CONSOLE

Model # - CD-PACK
Basic unit for permanent installations

Model # - PT-PACK
Touring version for professional environments