

CHILLI PRO RS232 NODE

GENERAL SPECIFICATIONS

DESCRIPTION

The Chilli Pro dimmers provide exceptional control for DMX applications, but with the addition of our accessories, a host of new applications and system designs become available.

Using our custom-written ChilliNet protocol, the Chilli Pro accessories provide simple and rapid installation tools for system monitoring, environmental lighting control and simple preset lighting systems.

The Chilli Pro RS232 Node is an accessory to the Chilli range of dimmers that allows the dimmers to be controlled using simple ASCII messages sent from an AV Control System (e.g. Crestron® or AMX®)** or a computer.

The Chilli Pro RS232 Node may be used in conjunction with Chilli Pro Control Panels or the Chilli Pro Master Controller on the same network to provide multiple points of control. The Chilli Pro RS232 Node translates control messages symmetrically in both directions, to allow the RS232 controlling system to maintain synchronisation with the ChilliNet system.

The ChilliNet system uses standard CAT 5 cabling to interconnect units in the system. Units can be daisy chained together up to the maximum network limits. The Chilli Pro RS232 Node provides electrical isolation between the RS232 and ChilliNet ports to ensure maximum reliability and protection for equipment.

** All respective trademarks acknowledged.

SPECIFICATION

- RS232 Connector: 1x 9 way female D-type
- RS232 Baud Rate: 9600 (no parity, 8 data bits, 1 start bit, 1 stop bit)
- Chillinets Connectors: 2x RJ12
- Maximum ChilliNet Cable run: 500m
- Maximum ChilliNet Devices per network: 50
- Power Supply: Derived from ChilliNet Network.
- LED indicators: Green (node running) and Red (network activity).
- Dimensions: 97mm x 43mm x 24mm
- Weight: 0.05Kg

SUPPLIED ACCESSORIES

- Installation / Operating Instructions, including full ASCII protocol details
- 1 metre 9 way D-type (RS232) cable
- 3 metre RJ12 (Chillinets) cable

ORDERING INFORMATION

- Chilli Pro RS232 Node: 01-211-00



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ENGINEERING SPECIFICATIONS

ELECTRONICS

The unit shall translate ASCII messages received from an RS232 port to the dimmer network, and vice-versa. The following minimum command set shall be supported:

- Play Memory/Sequence
- Save Memory
- Request Current Memory/Sequence
- Set Channel Level
- Request Channel Level
- Raise/Lower

It shall be possible to specify Dimmers, Areas and Fade Times for relevant commands.

The unit shall feature one green and one red LED, to indicate node running and network activity respectively. Dimmer network connections shall be made by twin RJ12 connectors. RS232 connections shall be made by a single 9-way female D-type connector. On the RS232 port, only the Tx, Rx and GND connections shall be required.

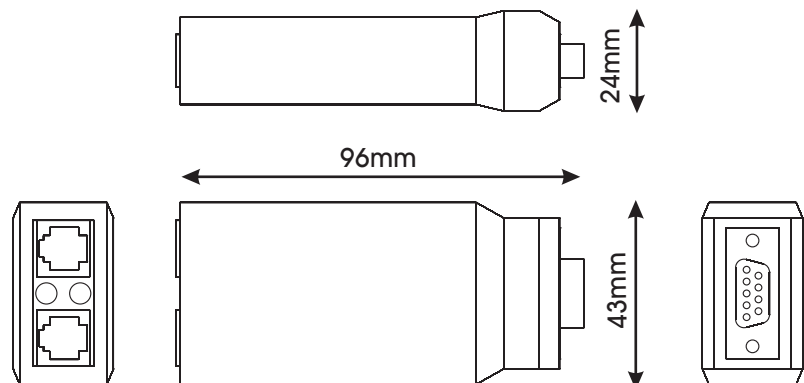
Messages shall be symmetrically translated between the RS232 system and the dimmer network, to maintain synchronisation of states. Diagnostic functions of the unit shall include the ability to report the firmware version in the unit and to upgrade the firmware in the unit.

ELECTRICAL

The unit shall derive power from the dimmer network. A daisy chain connection system shall be employed for multi-unit installations. The maximum cable length from the supply source shall be 500 metres. Electrical isolation between the RS232 system and the dimmer network shall be provided.

MECHANICAL

The unit shall be housed in an ABS box. The unit shall be no larger than 97mm x 43mm x 24mm and weigh no more than 0.05Kg.



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