



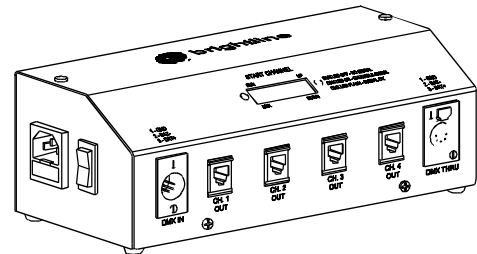
brightline™

Evolutionary Lighting Systems

DMX-DSI Protocol Converter for Architectural Applications

The DMX to DSI Protocol Converter is intended to dim DSI (Digital Serial Interface) fluorescent ballasts from a source of DMX-512. In addition, it has a Manual Mode which allows the ballasts to be intensity controlled without a DMX signal source. It is intended for use with **brightline** architectural fluorescent fixtures, such as T-Series and SeriesTWO.

- Each Converter has four (4) individually controllable opto-isolated DSI ballast output channels. Each output channel is capable of driving up to ten (10) individual ballasts. Each channel output is connected to a female RJ-45 type connector. The Converter shall also be available with a XLR-7 connector for use with **brightline** RGB fluorescent color-changing fixtures.
- The DMX Start Address can be set to values of 1 to 512. Four consecutive DMX Addresses shall be read. Address selection is made by a pair of Up-Down recessed push-button switches. As the switches are recessed, they are not susceptible to being inadvertently altered.
- DMX Input and Output connectors (type XLR-5) are provided. The DMX Output is self-terminating; it is not necessary to set a termination switch for the last unit in a DMX signal run. All connectors securely lock in place.
- For testing purposes, it is possible to dim the connected fixtures without the presence of a DMX control signal (Manual Mode). Levels on all four channels can be set from 1% to full intensity. It is not necessary to disconnect the Converter from the DMX signal source to perform this function.
- An LED shows the status of the incoming DMX signal. It indicates whether the signal is missing, if there is an error in the signal, or if it is OK. Another LED indicates whether the Converter is in Run or Manual Mode.
- The Protocol Converter is available in 120VAC 60 Hz. or 230VAC 50 Hz. It has a removable 12' [3.5m] power cord with a parallel-blade U-ground plug; and an Off/On switch. An externally accessible fuse protects the unit. Current draw is less than 1A at 120V.
- The unit is housed in a rugged aluminum enclosure with rubber feet. The overall dimensions of the unit are 10" wide by 4.4" deep [25.4 cm x 11.1 cm], exclusive of connectors. The height of the unit is 3.5" [8.9 cm].
- The DMX to DSI Converter is also available in DIN rail mounting, for placement in enclosures optionally available from **brightline**.



Part Numbers

<input type="checkbox"/> 4C-D/DMX-BX	DMX-DSI Converter, 120VAC, RJ-45 Out
<input type="checkbox"/> 4C-D/DMX-BX-E	DMX-DSI Converter, 230VAC, RJ-45 Out
<input type="checkbox"/> 4C-D/DMX-L7-BX	DMX-DSI Converter, 120VAC, XLR-7 Out
<input type="checkbox"/> 4C-D/DMX-L7-BX-E	DMX-DSI Converter, 230VAC, XLR-7 Out
<input type="checkbox"/> MTXP-__	DMX Control Cable (__ = length in feet), Plenum Rated
<input type="checkbox"/> CAT5-__	DSI Control Cable (__ = length in feet), RJ-45, Plenum Rated

*Other accessories available, contact the **brightline** factory*