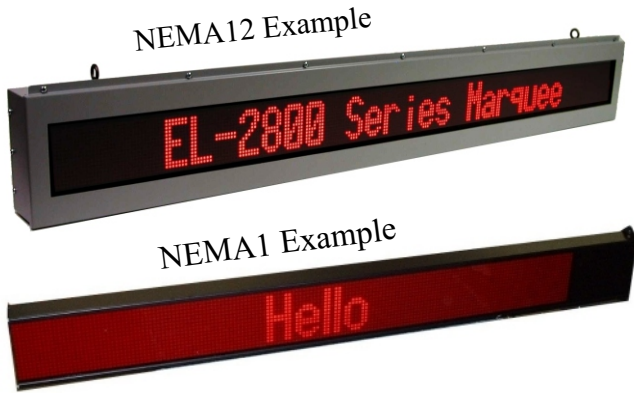


ALPHANUMERIC RS232 CONTROL

RS232/422/485 Interface



LED MATRIX DESCRIPTION:

Alpha-Numeric Indoor Brightness Red Dot-Matrix LED Display Marquee. With the 4" tall font single line or split line addressing to display two lines of 2" tall font. Fonts may be mixed on the marquee at the same time. The marquee automatically left justifies text that is short enough to fit, and automatically scrolls/truncates (switch selectable) text that is too wide to fit.

PRINTABLE TEXT DESCRIPTION:

Printable characters are Upper Case A-Z, Lower Case a-z, Numeric 0-9, and typical ASCII Punctuation / Special Characters such as: #, \$, %, *, etc. NOTE: Both the 4" Font and the 2" font are mono spaced to allow easy horizontal text alignment between vertically "stacked" 2800 marquees.

FEATURES/OPERATION

- ✓ RS232/422/485 INTERFACE USING SIMPLE ASCII
- ✓ 4" 1 LINE OR 2" 2 LINE COMMAND CONTROLLABLE
- ✓ RED DOT MATRIX LED (100,000 HOUR LIFE)
- ✓ 10 / 20 / 30 CHARACTER WIDTHS
- ✓ INDUSTRIAL GRADE HOUSING NEMA1/12/4/4X

All models listed below are using indoor RED, single sided viewing.

PART #	DESCRIPTION
TL-2800-111	10 Char 4" 1 Line/13 Char 2" 2 Line, NEMA1, RS232
TL-2800-112	20 Char 4" 1 Line/26 Char 2" 2 Line, NEMA1, RS232
TL-2800-113	30 Char 4" 1 Line/40 Char 2" 2 Line, NEMA1, RS232
TL-2800-311	10 Char 4" 1 Line/13 Char 2" 2 Line, NEMA12, RS232
TL-2800-312	20 Char 4" 1 Line/26 Char 2" 2 Line, NEMA12, RS232
TL-2800-313	30 Char 4" 1 Line/40 Char 2" 2 Line, NEMA12, RS232
TL-2800-211	10 Char 4" 1 Line/13 Char 2" 2 Line, NEMA4, RS232
TL-2800-212	20 Char 4" 1 Line/26 Char 2" 2 Line, NEMA4, RS232
TL-2800-213	30 Char 4" 1 Line/40 Char 2" 2 Line, NEMA4, RS232
TL-2800-411	10 Char 4" 1 Line/13 Char 2" 2 Line, NEMA4X, RS232
TL-2800-412	20 Char 4" 1 Line/26 Char 2" 2 Line, NEMA4X, RS232
TL-2800-413	30 Char 4" 1 Line/40 Char 2" 2 Line, NEMA4X, RS232
TL-2801-111	10 Char 4" 1 Line/13 Char 2" 2 Line, NEMA1, Ethernet
TL-2801-112	20 Char 4" 1 Line/26 Char 2" 2 Line, NEMA1, Ethernet
TL-2801-113	30 Char 4" 1 Line/40 Char 2" 2 Line, NEMA1, Ethernet
TL-2801-311	10 Char 4" 1 Line/13 Char 2" 2 Line, NEMA12, Ethernet
TL-2801-312	20 Char 4" 1 Line/26 Char 2" 2 Line, NEMA12, Ethernet
TL-2801-313	30 Char 4" 1 Line/40 Char 2" 2 Line, NEMA12, Ethernet
TL-2801-211	10 Char 4" 1 Line/13 Char 2" 2 Line, NEMA4, Ethernet
TL-2801-212	20 Char 4" 1 Line/26 Char 2" 2 Line, NEMA4, Ethernet
TL-2801-213	30 Char 4" 1 Line/40 Char 2" 2 Line, NEMA4, Ethernet
TL-2801-411	10 Char 4" 1 Line/13 Char 2" 2 Line, NEMA4X, Ethernet
TL-2801-412	20 Char 4" 1 Line/26 Char 2" 2 Line, NEMA4X, Ethernet
TL-2801-413	30 Char 4" 1 Line/40 Char 2" 2 Line, NEMA4X, Ethernet

DIMENSIONS

10 Char NEMA 1	27" wide by 7" tall by 3" deep
20 Char NEMA 1	50" wide by 7" tall by 3" deep
30 Char NEMA 1	74" wide by 7" tall by 3" deep
10 Char NEMA 12/4/4X	33" wide by 10" tall by 5" deep
20 Char NEMA 12/4/4X	56" wide by 10" tall by 5" deep
30 Char NEMA 12/4/4X	76" wide by 10" tall by 5" deep

NEMA4/4x/12 INSTALL DISCLAIMER

This unit is sealed when shipped from the factory. Electrical terminations are provided within the enclosure requiring the customer to punch holes in the 14 gauge steel housing and run conduit/wire into the enclosure. Electrical terminations within the enclosure are din rail wire barriers, and/or screw terminals as appropriate for the purchased communications option.

NEMA1 INSTALL DISCLAIMER

An industry standard five foot three prong 120VAC power cord is provided with the unit. A DB25 (RS-232, RS-422, RS-485) or a RJ45 (Ethernet) connector is provided on the right side of the enclosure for data communications.

POWER DRAW DESCRIPTION

The marquee requires 120VAC power at 60Hz (50Hz acceptable). The units power draw varies depending on the percentage of the LED matrix that is illuminated, but will never exceed 240W peak (2 Amps).

N1 ENCLOSURE DESCRIPTION:

The enclosure is NEMA 1 anodized extruded aluminum C extrusion. The marquee is designed to be hung using the eyelets on the top of the unit, or bolted to a wall using the wall mount tabs.

NEMA4/4x/12 ENCLOSURE DESCRIPTION:

The enclosure is NEMA4/4x/12 painted or stainless steel (depending on model ordered). The marquee is designed to be hung using the eye bolts on the top of the unit, or may optionally be bolted to a wall using separately purchased wall mount brackets.

SERIAL COMMUNICATIONS DESCRIPTION:

The communications interface is RS-232, or RS-422, or RS-485 with a simple ASCII protocol. The serial line character format is 1 start bit, 8 data bit, no parity, 1 stop bit. Baud rate is switch selectable between 19200, 9600, 2400, or 1200bps.

PC ETHERNET DESCRIPTION:

The communications interface is Ethernet with a simple ASCII protocol using TCP PORT 3001.

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