



FEATURES

- Three (3) Position Liveman Switch
- Double Pole E-Stop Switch
- Large Display - 8 rows x 24 characters or 16 rows x 32 characters (menu or host-selectable) with graphics capabilities
- ANSI 3.64 (VT-100) Compatibility
- Keys Programmable as Characters or Strings
- Advanced Control Mode (ACM)
- Programmable Display Characters
- Menu or host-driven User Parameter Selection
- Up to 57,600 bps Communications (9,600 bps without handshaking)
- Three (3) Year Warranty

Height: 9.9 inches (251.4 mm)

Width: 4.39 inches (111.5 mm)

Depth: 1.84 inches (46.7 mm)

Weight: 26 ounces (746 grams)

Case: Rugged Cycolac® ABS

ProMotion

••• hand held terminal

Unit depicted with custom graphics



Looking for a solution with an eye on motion? The **ProMotion** boasts the highest level of safety standards with its 3-position (off, on, off) "Liveman" switch and double-pole Emergency Stop (E-Stop). The 3-position design of the Liveman provides a closed circuit when depressed to a mid-point. A fully released or depressed switch opens the switch circuit, which could cause the machine to stop operation. You can also easily activate the E-Stop with a push-off, turn-reset motion. A fully depressed E-Stop opens all the circuits and could be used to bring the machinery to a complete halt. The ProMotion's host activated Advanced Control Mode (ACM) provides an increased level of safety when using the terminal to control motion oriented tasks on a robotic device by allowing the host and terminal to monitor one another and react to event changes (host actions are dependent on host software). These features are extremely important when used in robotics and industrial applications where safety is a must!

The ProMotion also features a large screen Liquid Crystal Display (LCD) with text and graphics capabilities, contrast control and optional backlight. The exceptional size and clarity of the LCD makes the ProMotion ideal where long-term readability is essential. ANSI 3.64 (VT-100) compatibility makes it the perfect hand held solution for existing products. Additional options include Host Controlled LED indicators (4), programmable display characters, multiple keypad layouts, and an optional backlit keypad.

Like all Two Technologies' products, the ProMotion is remarkably rugged. The case is molded from Cycolac ABS®, one of the most durable, chemical-resistant materials available on the market today. Securely framed and clamped into place, the keypad surface provides excellent splash resistance and prevents curling or peeling of the keypad overlay. Membrane keypad layouts include 45, 30, and 20 keys, available with standard or custom graphics.



Two Technologies, Inc.® • 419 Sargon Way • Horsham, PA 19044
Tel 215.441.5305 • Fax 215.441.0423 • real.rugged@2T.com

www.2T.com

ProMotion Specifications

DISPLAY

- 8 Line x 24 Characters
- 192 x 128 Pixel Liquid Crystal Graphical Display
- U.S. ASCII Character Set
- Supertwist Display (standard)
- Extended Temperature Supertwist Backlit FSTN
- Supertwist Backlit
- 16 Line x 32 Character
- Dark Characters on Light Background
- Large display (menu or host selectable)
- Blinking and Inverse Video Attributes
- Menu-Controlled contrast settings
- Graphics Capabilities

KEYS & SWITCHES

- Membrane or Elastomeric
- 45-key (maximum), 30-key, or 20-key
- Backlit (option)
- Feedback: Tactile and Audible
- Standard or Custom Layout

INTERFACE

- RS-232, RS-422, CMOS/LSTTL Level
- Data rates: 300 - 19,200 and 57,600 bps (baud above 9,600 requires handshaking)
- Parity: Even, Odd, Mark, Space, None, Ignore
- Permanent Wire Cable: 15ft. or 25ft. straight w/molded DA-15 connector
- Handshake: 2 lines (RS-232)
- Data bits 7-8

POWER

- 5 VDC Regulated +/- 5%
- 9.5-28 VDC Switching Regulator
- Some options require additional current (Example: Backlight adds 50 mA)
- 7.5-12 VDC Linear Regulator*
- Current: 85-90 mA nominal (RS-232, RS-422)
- *maximum voltage depends on current draw

ENVIRONMENT

- Storage Temp: -20°C to +70°C
- Extended Temp: -20°C to +70°C
- Operating Temp: 0° to + 50°C
- Humidity 5-95% (non-condensing)

USER SELECTABLE OPTIONS

- Key definitions (character or string): All keys except, SHIFT and CONTROL, 220 bytes non-volatile definition storage
- ACM (Advanced Control Mode), N Key Rollover, 'SHIFT' and 'CTRL' Disable and Terminal Inquiry-Acknowledgement
- Programmable Display characters (Stored in volatile memory)
- Baud
- Data Bits
- Parity
- Stop Bits
- Display PE
- Repeat
- Key Click
- KNP Function
- Cursor
- Cursor Blink
- XON/XOFF
- Handshake
- Echo
- Escape Mode
- CR/LF Mode
- Self-Test
- Shift Lock
- Viewing Angle
- Screen Size
- Menu Mode
- Backlight
- Break Commands
- Scroll on Last Character

CUSTOM OPTIONS

- Display
- Default Settings
- Keypad Graphics
- I/O Interface
- Firmware
- Logos
- LED Indicators (4)

CERTIFICATIONS

- FCC Class A
- CE*
- CENELEC EMI Standards- EN55022, CISPR Class A
- Electromagnetic Compatibility (EMC) EN50082-1 *in standard configuration

