



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 Cynolac® ABS

ProMotion

Handheld 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 Cynolac 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.



ProMotion Specifications

DISPLAY	<p>Standard:</p> <ul style="list-style-type: none"> • 192 x 128 Pixel Supertwist Nematic Display with Graphics Capabilities • Menu or Host Selectable Contrast Settings and Character Size (8 Lines x 24 Characters or 16 Lines x 32 Characters) • Blinking and Inverse Video Attributes • Dark Characters on Light Background • U.S. ASCII Character Set 	<p>Options:</p> <ul style="list-style-type: none"> • Supertwist Nematic Backlit Display • Supertwist Nematic LED Backlit Display • Extended Temperature Supertwist Nematic Backlit Display
KEYPADS	<p>Standard:</p> <ul style="list-style-type: none"> • 45-Key, 30-Key or 20-Key • Membrane or Elastomeric • Feedback: Tactile and Audible 	<p>Options:</p> <ul style="list-style-type: none"> • Backlit Keypad • Phosphorescent (45-key elastomeric units only) • Backlit Phosphorescent (45-key units only)
SWITCHES	<ul style="list-style-type: none"> • E-Stop with 10 Conductor Cable 	<ul style="list-style-type: none"> • Liveman with 14 Conductor Cable
INTERFACE	<ul style="list-style-type: none"> • RS-232, RS-422, CMOS/LSTTL Level • Handshake: 2 lines (RS-232) • Data Rates: 300 to 19,200 and 57,600 bps • VT-100/ANSI 3.64 Compatibility 	<ul style="list-style-type: none"> • Parity: Even, Odd, Mark, Space, Ignore, None • Data Bits 7 or 8 • Stop Bits: 1 or 2 • Permanent Wire Cable: 15-ft. or 25-ft. Straight with Molded DA-15 Connector
POWER	<ul style="list-style-type: none"> • 5 VDC Regulated +/- 5% • 7.5-12 VDC Linear Regulator (maximum voltage depends on current draw) 	<ul style="list-style-type: none"> • 9.5-28 VDC Switching Regulator • Current: 45-50 mA Nominal for RS-232 & RS-422 (some options require additional current, e. g., backlight adds 50 mA)
ENVIRONMENT	<ul style="list-style-type: none"> • Storage Temp: -20°C to +70°C • Operating Temp: 0° to + 50°C 	<ul style="list-style-type: none"> • Extended Temp: -20°C to +70°C • Humidity 5-95% (non-condensing)
USER SELECTABLE OPTIONS	<ul style="list-style-type: none"> • Backlight (backlit display only) • Baud Rate • Break Commands • CR/LF Mode • Cursor and Cursor Blink • Data Bits and Stop Bits • Echo • Escape Mode • Handshake • Key Click 	<ul style="list-style-type: none"> • KNP Function • Menu Mode • Parity and Display Parity Error • Repeat • Screen Size • Scroll on Last Character • Test • Shift Lock • Viewing Angle • XON/XOFF
CUSTOM OPTIONS	<ul style="list-style-type: none"> • Keypad and Keypad Graphics • Default Settings • Case Color • 4 LED Indicators 	<ul style="list-style-type: none"> • I/O Interface • Firmware • Logo Tag • Backlit Keypad
CERTIFICATIONS	<ul style="list-style-type: none"> • FCC-Part 15, Subpart B Class A • CENELEC (in standard configuration): EMI Standards: EN55022 1998, (CISPR22, Class A), EMC Standards: EN50082-1 1997, General Immunity Part 1, Safety Standards: EN60950 2000, Safety of Information Technology Equipment 	

