



# 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
- Key Click
- Parity
- Cursor
- Backlight
- Data Bits
- KNP Function
- Screen Size
- Menu Mode
- Echo
- Private or ANSI Command Set
- CR/LF Mode
- Backlight
- Stop Bits
- Cursor Blink
- Self-Test
- Break Commands
- Display PE
- XON/XOFF
- Shift Lock
- Repeat
- Handshake
- Viewing Angle
- 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

