



FEATURES

- Fully Programmable
- 448k Flash EEPROM
- 512k Battery-Backed SRAM
- Comprehensive Built-in API for Rapid Development
- Program in "C" or Assembly Language on your PC
- Development Utilities Included for Assembly Programming
- "C" Library Available
- 2 Basic Compiler Available
- Up to 115.2K bps Communications
- Optional Battery-backed Real-Time Clock
- NEMA 4/12
- Three (3) Year Warranty

Height: 4.9 inches (124 mm)

Width: 4.9 inches (124 mm)

Depth w/cover: 1.3 inches (33 mm)

Depth w/o cover: 1.1 inches (28 mm)

Weight: 12 ounces (340 grams)

Case: Valox® 420

PSMT

panel mount terminal

Unit depicted with custom graphics

Looking for a fully programmable panel mount terminal? The PSMT is a rugged, full-featured programmable terminal that is ideally suited to a variety of applications where a level of complexity above that found in simple ASCII terminals is required. A comprehensive Applications Programming Interface (API) allows a programmer to access services provided by the Proprietary Operating System (OS). Through the API, a variety of functions from simple display manipulation to high level operations are easily put under direct application control. The PSMT features 448k bytes of Flash EEPROM and 512k bytes of battery backed static RAM. The PSMT is programmable using either "C" or Assembly language on your PC. Interface options including RS-232, RS4-22 or RS-485 are available. With 5 digital I/O lines, the PSMT provides you with the ability to interface to a wide variety of devices.

Selling globally? The PSMT offers a variety of optional character sets such as Latin 1 or European. What better way to give your products a competitive edge!

Like all Two Technologies' products, the PSMT is remarkably rugged. The case is molded from Valox® 420, one of the most durable, chemical-resistant materials available on the market today. Proper mounting of the PSMT, with the Two Technologies' mounting kit, assures NEMA 4/12 compliance. Securely framed and clamped into place, the keypad surface provides excellent splash resistance and prevents curling or peeling of the keypad overlay. Keypad layout includes a 20-key configuration and is available with standard or custom graphics.

The PSMT, big value and big power...all in a great little package.



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PSMT Specifications

DISPLAY	<ul style="list-style-type: none"> LCD Twisted Nematic Display (standard) Backlit Supertwist Nematic (LED) Vacuum Fluorescent Display U.S. ASCII Character Set 	<ul style="list-style-type: none"> Supertwist Nematic Extended Temperature Backlit Display (LED) Extended Temperature Vacuum Fluorescent Display 4 Rows of 20 (5 x 7 pixel) Characters 			
KEYS & SWITCHES	<ul style="list-style-type: none"> Membrane or Elastomeric Full ASCII table 	<ul style="list-style-type: none"> 20-key (5 x 4) Backlit Keypad Available 	<ul style="list-style-type: none"> Standard and Custom Keypad Layouts 		
INTERFACE	<ul style="list-style-type: none"> Control Bits: 1 start and 1 stop bits Five digital I/O lines Connector: 6-pin female modular or 6 pin SIP header 				
POWER	<ul style="list-style-type: none"> 5 VDC +/- 5% Current: 45-50 mA (RS-232) LED Backlight: Adds 185 mA 	<ul style="list-style-type: none"> 7.5-12 VDC Linear Regulator* Regulator: Adds 5-10mA <p><small>*maximum voltage depends on current draw</small></p>	<ul style="list-style-type: none"> 9.5-28 VDC Switching Regulator 		
ENVIRONMENT	<ul style="list-style-type: none"> Storage temperature: -20° to + 70°C, -30° to + 70°C (w/Ext. Temp Display) Operating temperature: 0° to + 50°C, -20° to + 70°C (w/Ext. Temp Display) Humidity: 5- 95% (non-condensing) NEMA 4/12 - panel mounted* <p><small>*when mounted properly using the supplied mounting hardware</small></p>				
MEMORY	<ul style="list-style-type: none"> 448K Flash EEPROM 	<ul style="list-style-type: none"> 512K Battery backed SRAM 			
APPLICATION DEVELOPMENT	<ul style="list-style-type: none"> Program in "C", Assembly or 2 Basic 	<ul style="list-style-type: none"> Development Tools Available 			
CUSTOM OPTIONS	<ul style="list-style-type: none"> Displays 	<ul style="list-style-type: none"> I/O interface 	<ul style="list-style-type: none"> Keypad graphics 	<ul style="list-style-type: none"> Case color 	<ul style="list-style-type: none"> Logo Tag
CERTIFICATIONS	<ul style="list-style-type: none"> FCC Class A CE* <p><small>*in standard configuration</small></p>	<ul style="list-style-type: none"> CENELEC EN 55022 	<ul style="list-style-type: none"> CISPR Class A 	<ul style="list-style-type: none"> EN 50082-1 	<ul style="list-style-type: none"> EN 60950

