SMT

Panel Mount Terminal

Unit depicted with custom graphics

FEATURES

- Panel Mount with Multiple Mounting Options
- Membrane or Elastomeric Keypad
- Programmable Function Keys (single character)
- 20-Key Standard Keypad
- Up to 9,600 bps Communications
- NEMA 4/12
- Optional VT-100 ANSI 3.64 Compatibility
- Three (3) Year Warranty

DIMENSIONS

- **Height:** 4.9 inches (124 mm)
- **Width:** 4.9 inches (124 mm)
- **Depth:** 1.1 inch (28 mm)
- **Depth w/Cover:** 1.3 inches (33 mm)
- **Weight:** 12 ounces (340 grams)
- **Case Front:** Valox® 420

Looking for a rugged, low-cost panel mount terminal? The **SMT** is a fully functional ASCII terminal designed specifically for industrial applications. The SMT is flexible! Its menu programmable function keys can transmit a user-programmed character, while host equipment has direct control of cursor movement and appearance, clearing all or part of the display. Function key definitions and operating parameters are stored in non-volatile memory. Available I/O configurations include RS-232 and RS- 422 as well as CMOS/LSTTL logic levels.

Selling globally? The SMT offers a variety of optional character sets such as Latin 1 or European. With the "programmable character" capability, you have the ability to create characters that are not supported in the display's font table. What better way to give your products a competitive edge!

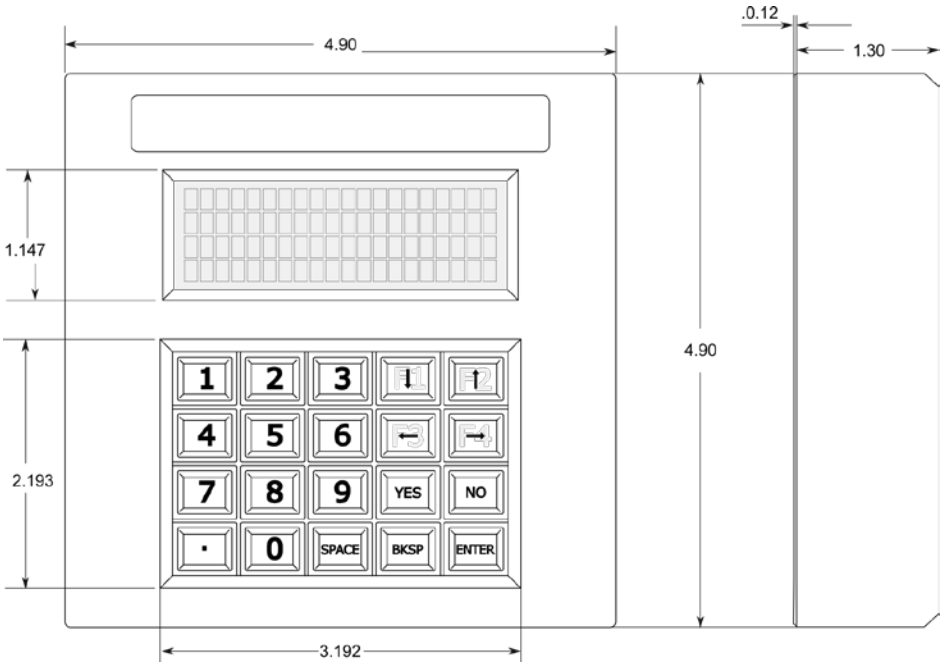
Like all Two Technologies' products, the SMT is remarkably rugged. The case is molded from Valox 420, one of the most durable, chemical-resistant materials available today. Proper mounting of the SMT, with the Two Technologies' mounting kit, assures NEMA 4/12 compliance. Securely framed and clamped into 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.

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

www.2T.com

SMT Specifications

DISPLAY	Standard: • Reflective/Transreflective Twisted Nematic Display • 4 Lines x 20 Characters • Dark Characters on Light Background (Not VFD) • U.S. ASCII Character Set (Latin 1 or European optionally available)	Options: • Supertwist Nematic Display • Supertwist Backlit Nematic Display • Supertwist LED Backlit Nematic Display • Extended Temperature Backlit Nematic Display • Extended Temperature Supertwist Backlit Nematic Display • Vacuum Fluorescent Display • Extended Temperature Vacuum Fluorescent Display
KEYS & SWITCHES	Standard: • 20-key (5 x 4) • Feedback: Tactile and Audible • Membrane or Elastomeric	Options: • Backlit Keypad • Phosphorescent (elastomeric keypads only) • Backlit Phosphorescent (elastomeric keypads only)
INTERFACE	• RS-232, RS-422, CMOS/LSTTL Level • Handshake: 2 Lines (RS-232) • Data Rate: 300-9,600 bps	• Data Bits 7 or 8 • Parity: Even, Odd, Mark, Space, None, Ignore • Connector: 6-Pin Female Modular or 6-Pin SIP Header • VT-100/ANSI 3.64 Compatibility (optional)
POWER	• 5 VDC Regulated +/- 5% • 7.5-12 VDC Linear Regulator (maximum voltage depends on current draw)	• 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	Nematic Displays: • Storage Temp: -20°C to +70°C • Operating Temp: 0° to + 50°C • Extended Temp: -20°C to +70°C • Humidity 5-95% (non-condensing)	Vacuum Fluorescent Displays: • Storage Temp: -20° to + 70° • Operating Temp: -20° to + 70°C • Extended Temp: -40° to + 85°C • Humidity 5-95% (non-condensing)
USER SELECTABLE OPTIONS	• Baud • Data Bits • Parity • Display PE	• Repeat • Handshake • Echo • Self-Test
CUSTOM OPTIONS	• Keypad and Keypad Graphics • Case Color • Default Settings	• I/O Interface • Logo Tag • Firmware
CERTIFICATIONS	• NEMA 4/12- panel mounted (using supplied hardware) • 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	



RoHS compliant

ISO 9001