SPECTRUM

Spectrum Operator Interface

SOI-120 / DTAMTM MICRO

- Faster implementation and increased productivity with fill-in-the-blanks, easy-to-use programming software
- Increased control of process elements with 8 programmable function keys that can perform "hot screen" call-up and bit manipulation
- Less programming and reduced operator entry errors with auto-scaling and programmable operator entry limits (minimum and maximum values)
- Direct access to any register location within the PLC with P/AD feature
- Quick operator response and reduced downtime with alarm generation
- · Controlled access with security screens
- Rugged, high-quality products that are NEMA 4, 12, 13, IP65 rated, as well as CSA, UL/cUL Class 1 Div 2 and CE certified

The Spectrum Operator Interface provides powerful functionality in a small, low-cost package. The SOI-120 and DTAM have a 2-line by 20-character display, is easy to set up and is easy for the operator to use.

The SOI-120 and DTAM also provide 8 programmable function keys. The function keys allow control of process elements (through bit manipulation), on-demand "hot screen" call-up or a combination of both.

The SOI-120 and DTAM even provide menu screens that can be linked together to provide a complete set of instructions for the operator to follow based on the application. Screen types include Programmable Menus, Data Display, Data Entry, Security and Interactive Alarms.



The SOI-120 and DTAM also support the powerful P/AD (Point/Access Display) feature. The P/AD feature allows access to the entire data register table within a PLC. An operator or maintenance person may access any register location directly by typing in the PLC address, powerful for system start-up/debug and troubleshooting.

The SOI-120 and DTAM connect directly to the programmable controller or the PLC communications module and requires little or no programming within the PLC. The cost-competitive design makes it ideal for small stand-alone applications or for multiple operator stations in a large, distributed control system.

SOI-120 / DTAMTM MICRO

DISPLAY SPECIFICATIONS

| Display Technology | LCD (twisted nematic) |
|--------------------------|-----------------------------|
| v | vith yellow LED Backlight |
| Configuration | 2 Line x 20 Characters |
| Backlight Settings 0, 33 | , 66 & 100% (via keypad) |
| Contrast Ratio | |
| Contrast Settings | Four (via keypad) |
| Max. Viewing Angle +/- | 30° to +/- 60° (horizontal) |
| | -20° to +30° (vertical) |
| Display (h x w) | 1.0 x 3.0 in. (15 x 76 mm) |
| Character (h x w) 0.19 x | 0.12 in. (4.75 x 2.95 mm) |
| | |

KEYPAD SPECIFICATIONS

| Keypad Type | Membrane |
|------------------|------------------|
| Tactile Feedback | Embossed Dome |
| Operation Force | 16 oz (453 g) |
| Operational Life | 1 Million Cycles |

ELECTRICAL SPECIFICATIONS

PHYSICAL SPECIFICATIONS

| Dimensions (h x w x d) | 3.9 x 5.4 x 1.8 in. |
|--------------------------|--------------------------|
| | (99.1 x 137.2 x 45.7 mm) |
| Front Panel Size (h x w) | 5.4 x 6.9 in. |
| | (137.2 x 175.3 mm) |
| Weight | 1.0 lb (0.45 kg) max. |

Environmental Specifications

Available Protocols

| Allen-Bradley | DF-1 / DH-485 |
|--------------------|------------------------------------|
| Square-D | SY/MAX [®] Models 300-700 |
| | Modbus [®] & Open Modbus |
| | Simatic [®] S5 |
| IDEC | FA Series |
| Omron | Hostlink |
| Texas Instruments. | 405 |

| QUALIFIED | DISTRIBUTOR |
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