Product Summary

The D830 Micro PanelMate offers superior capabilities not found in traditional text-based operator interface devices. The capacity to display alphanumeric data alleviates problem areas such as entering or displaying part numbers for employee IDs.

- View and edit PLC Data on the same page
- Easily defined pushbuttons, selector switches and triggers for concise control
- Multiple screen capability allows viewing of two pages simultaneously

Changing the definition of a “text-based” product

Increase Operator Efficiency

- The 2 line x 20 character display provides operator information. Messages can scroll both vertically and horizontally to provide up to 255 characters of information, without changing screens
- Membrane keypad has tactile feedback so that operators receive a physical response for sure and accurate operation
- Definable navigation (PREV/NEXT) and function keys (F1, F2, YES, NO), SELECT, ENTER, LOCK, CANCEL keys, and 10 digit keypad make stepping through screens and changing production variables simple
- A feature called a Data Set allows the operator to choose new settings based on numeric or text prompts

Decrease Application Development Time

- Data Tag Reference Editor can import tag database information
- Full screen simulation eliminates the need to connect a PLC or OIT during application testing

PLC Operation Security

- A PLC initiated lock-out capability provides security against operator data entry at an inappropriate time with the level of lock-out specified for either viewing any screen with no entry, or maintaining the current screen view only
- High/Low limits for data entry fields eliminate the potential for erroneous data being entered into the PLC data table
- 15 levels of password protection allow for the same pages to be used for both maintenance and operation personnel with access to only appropriate data controls

More than just a message display; you get real machine control capability from our D830 Micro PanelMate Electronic Operator Interfaces.
Physical Specifications

- Display Type ............... LCD with LED backlight
- Display Size ................ 2 line x 20 character
- Character Height .......... 5.5 mm
- Memory ...................... 32K Flash EEPROM
- Operator Entry ............. Membrane Keypad
- Navigation Keys ........... 2 (PREV, NEXT)
- Function Keys .............. 4 definable
- Other Keys ................. SELECT, ENTER, LOCK, CANCEL, 0 – 9
- Mounting .................... Single piece with captive mounting studs
- NEMA Rating ............... 4, 4X, 12
- Approximate Dimensions ... 5"H x 8"W x 1.5"D (127 x 203.2 x 38.1 mm)
- Approximate Weight ...... 1.5 lbs.

Environmental Specifications

- Operating Temperature ... 0˚ to 50˚C (32˚ to 122˚F)
- Storage Temperature ...... -20˚ to 60˚C (4˚ to 140˚F)
- Relative Humidity ......... 20 – 85% Noncondensing
- Vibration .................. 2G at 10 – 500 Hz
- Altitude ..................... 10,000 feet above sea level

Electronics Specifications

- Power Supply Voltage .... 24V DC
- Consumption ............... 100 mA maximum
- Heat Output ................ 1.5 watts (5.4 BTU/HR)
- Noise Immunity .......... IEC 801-2, 3, 4, 6, 8
- Communication Port ...... 25 pin D-Shell

Firmware Characteristics

- Pushbuttons ............... 4
- Data Scaling .............. Yes (8-bit)
- Bit Status Read/Write ..... Yes
- Word Writes (Data Set Feature) .... Yes
- Extended ASCII Character Set ........ Yes
- Scrolling Text ............ Yes
- Multiple Screen Overlays .... Yes, 2 triggers simultaneously

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