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Find the *Maple Systems OIT3165-A00* at our website: ***Click HERE***

OIT3165A Product Specifications (PLC & Motion Controller Interfaces)



Hardware Specifications

Physical Dimensions

Height — 4.00 inches [102 mm]
Width — 6.00 inches [152 mm]
Total Depth — 1.77 inches [45 mm]

Panel Cutout and Dimensional Drawings

Mechanical

Material — aluminum sealed to NEMA 4/12 when panel mounted
Mounting — panel
Wiring — field-wired to external barrier strip and RJ-45 comm. connector
Weight — 1 pound [0.45 kg]

Ratings

Complies with EN50081-2 (1994) & EN50082-2 (1995)

Class I, Division 2, Groups A, B, C, D

NEMA 4/4X(indoor)/12

Environment

Operating Temperature — +14 to +149° F [-10 to +65° C]

Storage Temperature — -22 to +176° F [-30 to +80° C]

Power Requirements

Input Voltage — +12 to +30 VDC, Class 2
Power Requirements — 2.5 watts typical, 3 watts maximum

Communication

Serial Port — RS-232, RS-422 or RS-485
Connector — RJ45
Baud Rates —19.2K, 9600, 4800, 2400, 1200, 600 or 300
Type — point-to-point

Display

Type — backlit LCD; 5 x 7 dot matrix with cursor
Size — 2 lines of 20 characters
Character Height — 0.19 inches [5 mm]
Viewing Angle — approximately 90 degrees

Keypad

Type — membrane
Feedback — internal buzzer
Layout — 24 user-definable keys arranged in 3 rows
Operational Life — up to 5 million operations
Customizing — user -definable keys and a slide in legend allow you to completely customize the keypad

Other Hardware

- 128K x 8 flash PROM for firmware, protocol and configuration data

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Operating Specifications

Keypad

- Alarm Ack key acknowledges the current alarm
- Arrow keys move the cursor between read/write register monitors in the screen
- Clear key clears the current register monitor's contents and activates data entry mode
- Delete key performs a destructive backspace at the cursor's current position in a register monitor
- Delta+ & Delta- keys immediately increment or decrement the value in the current register monitor by the preset amount

- Enter key accepts the data entered by the operator and updates the current register
- Global Function keys can be configured as momentary, push on/off, latch or screen display
- Help key displays customized help screens
- Last Message & Next Message keys display the screens in the screen stack
- Numeric keys allow the operator to enter passwords or to enter new values into register monitors
- Page Up & Page Down keys move through a group of chained screens
- Screen-dependent Function keys can be configured as momentary, push on/off, latch or screen display for each screen
- Setup key places the OIT into setup mode
- Toggle key immediately changes the value in a binary read/write register monitor

Screens

- Up to 500 configurable as message, recipe, alarm, menu, or help screens
- Can display blinking characters
- Can display characters from the extended character set

Message Screens

- Beep on display
- Chain to other message screens
- Display for a preset length of time from 1 to 255 seconds
- Display one line of scrolling text up to 128 characters long (rate is adjustable)
- Display up to 25 register monitors

Recipe Screens

- Include up to 20 preset values
- Beep on display
- Display for a preset length of time from 1 to 255 seconds
- Display one line of scrolling text up to 128 characters long (rate is adjustable)
- Display up to 25 register monitors

Alarm Screens

- 4 priority levels
- 9 audible alert types
- Display one line of scrolling text up to 128 characters long (rate is adjustable)
- Display up to 25 register monitors
- Output to external buzzer

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Menu Screens

- Beep on display
- Branch to a maximum of 9 message, recipe or menu screens
- Chain to other menu screens
- Display for a preset length of time from 1 to 255 seconds
- Display one line of scrolling text up to 128 characters long (rate is adjustable)
- Display up to 25 register monitors

Help Screens

- Display from any message, recipe or menu screens

Register Monitors

- Adjustable decimal/symbol location
- Adjustable field width
- Fully programmable linear scaling on decimal, signed and long formats
- High/low limits
- Increment/decrement value
- Left/right justification
- Optional comma insertion
- Optional "Hide Data" format for secure data entry
- Optional leading zeros
- Read only or read/write

Register Monitor Formats

- Decimal
- Signed
- Long
- 4–digit BCD
- 8–digit BCD
- Binary–1/0 coil
- Binary–on/off coil
- Binary–bank 8
- Binary–bank 16
- ASCII character
- ASCII string (allows display of ON/OFF or other text strings in place of 1/0 values)

Other Operating Features

- Downloadable operational and protocol software
- Global & Screen-dependent Function keys have 4-level password protection
- Up to 16 set points that monitor the value in a register and display a screen if the low/high limit is exceeded
- Screen saver

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- Screen stack
- Alarm stack
- Message Request Register
- Current Message Register
- Status Coils
- Key Coils

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