MicroOIT Series

OIT4175

c(UL)us LISTED   CE   **CLASS I DIVISION 2** Rated

Text Displays with Customizable Keys

- 4 line by 20 character VFD display
- Membrane keypad with legendable inserts
- User-definable keys
- Serial RS232/RS485 ports
- Multiple PLC registers per screen
- Chain screens together
- Floating point
- Linear scaling
- 500 configurable screens
- Recipes & Menus
- NEMA 4, CE, UL certified
- Class I Division 2 rating
- Extended operating temperature (-10 to +65°C)
- Programmed with OITware-200 software

The OIT4175 has an alphanumeric display and a membrane-style keypad. Each key is programmable, allowing you to define a unique keypad to match your particular application. The legendable insert feature means you don't have to pay extra for custom overlays to get a custom look.

A wide range of communications drivers are available: from Allen-Bradley, Modicon, and GE Fanuc, to Keyence, Control Microsystems, and Bristol Babcock. Over 75 families of PLCs and motion controllers are supported.

The configuration software includes recipes, menus, alarms, and the ability to create over 500 screens. Designed for harsh industrial environments, this OIT carries a Class I Division 2 rating and operate under a wide temperature range.

The OIT4175 is a powerful and durable operator interface.

Every Machine Needs the Human Touch

Maple Systems INC.

www.maplesystems.com

Hardware

Display	4 line by 20 character backlit VFD display Viewing Angle – approximately 90 degree
Key Type	Membrane-style keypad
Function Key	12 user-definable screen-dependent keys
Slide-in Legend	Customizable slide-in key legend

Mechanical

Enclosure	Aluminum
Dimensions (WxHxD)	6 x 4 x 1.77 inches [152.4 x 101.2 x 45 mm]
Weight	0.99 lbs [0.45 kg]
Mounting	Panel
Power Requirements	12 to 30 VDC, 170 mA maximum
Warranty	2 years

Environmental

Operating Temperature	14 ~ 149°F (-10 ~ 65°C)
Storage Temperature	-22 ~ 176°F (-30 ~ 80°C)
Relative Humidity	5% ~ 95% (non-condensing)
Ratings	NEMA4, 4X indoor, 12
Certifications	CE, UL, cULus, Class I Div 2 rated

Enhanced Features

Recipe Screens	Allow the operator to download or upload preset values into PLC registers.
Memory Storage for Motion Controllers	Stores data internally using the recipe screen feature. Data can be uploaded from the controller and stored in the OIT's non-volatile flash memory.
Multiple Language Support	Allows you to "split" the 500 screens into 2, 5 or 10 separate groups or languages.
Choose Your Own Keys	• **Global Function Keys** – Up to 24 global function keys. Each key can display one of 500 user-definable screens or simulate a momentary or push-on/push-off mechanical switch. • **Screen-Dependent Function Keys** – With 8 keys available, you have the equivalent of 4000 function keys.

Screens

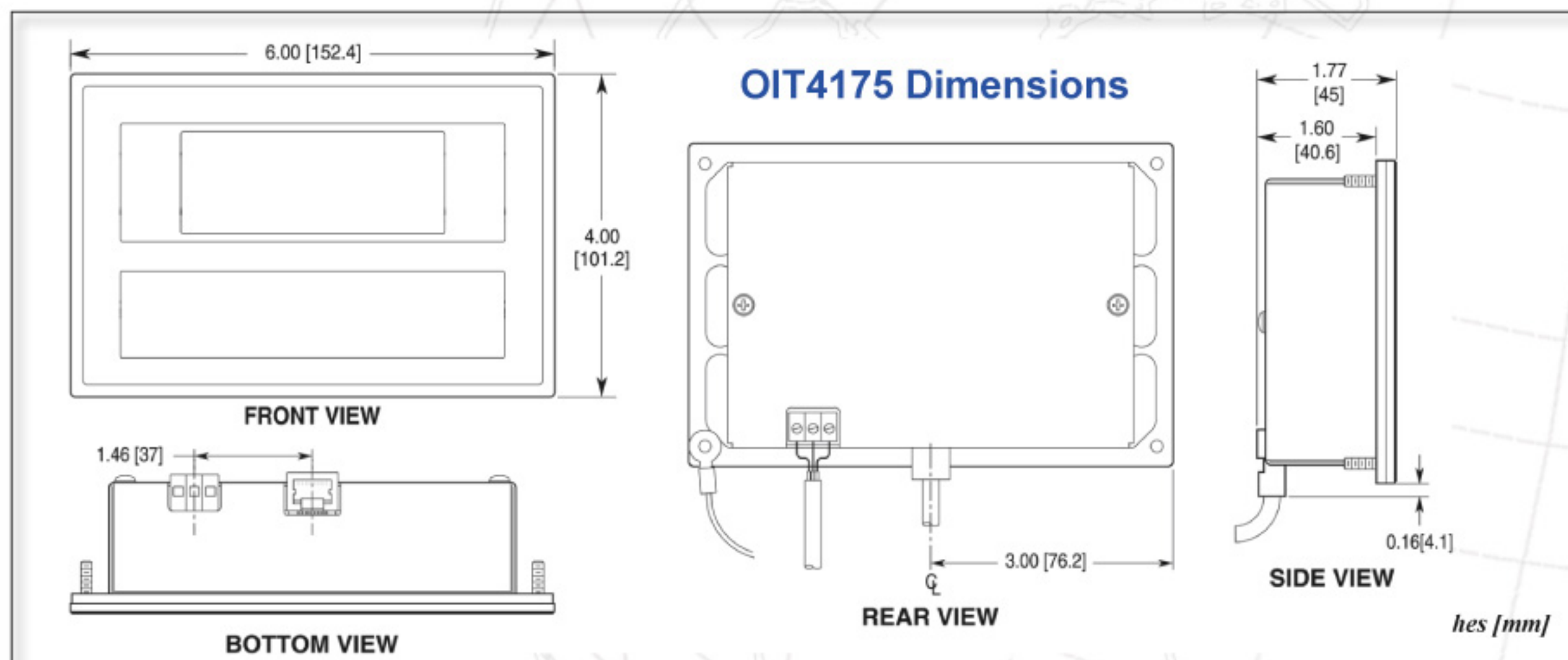|	
Total #	500 screens
Message Screens	• Beep on display • One line of 128 characters of scrolling text • Display for a preset length of time from 1 to 255 sec. • Chain to other message screens • Up to 25 register monitors
Recipe Screens	• Beep on display • One step download/upload with a function key • Up to 20 preset values (operator adjustable) • Display for a preset length of time from 1 to 255 sec. • One line of 128 characters of scrolling text • Up to 25 register monitors
Alarm Screens	• 4 priority levels • 9 audible alert types • One line of 128 characters of scrolling text • Up to 25 register monitors
Menu Screens	• Branch off to 9 message, recipe or menu screens • Chain to other menu screens • Display for a preset length of time from 1 to 255 sec. • One line of 128 characters of scrolling text • Up to 25 register monitors
Help Screens	• Display from any message, recipe or menu screens

Mechanical

Features	• Adjustable decimal location and field width • Fully programmable linear scaling on decimal, signed and long formats • Hi/low limits • Increment/decrement value • Left/right justification • Optional comma insertion, hide data & leading zero • Read only or read/write
Formats	• Decimal • Signed • Long • 4-digit or 8-digit BCD • Binary --- 1/0 coil, on/off coil, bank 8 or bank 16 • ASCII string (allows display of ON/OFF or other text strings in place of 1/0 values)

Order Number

OIT4175-A00	4 line by 20 character VFD alphanumeric OIT

Specifications subject to change without notice.

OIT4175 Dimensions

6.00 [152.4]
4.00 [101.2]
FRONT VIEW

1.46 [37]
BOTTOM VIEW

3.00 [76.2]
REAR VIEW

1.77 [45]
1.60 [40.6]
0.16 [4.1]
SIDE VIEW
hes [mm]

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