Alphanumeric OIT

OIT4175









VFD Text Display 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 and menus
- NEMA 4X, CE, UL certified
- Class I, Division 2 rating
- Extended operating temperature (-10 to 65°C)
- Programmed with OlTware-200 software



The OIT4175 has an alphanumeric vacuum fluorescent display and a membrane-style keypad with cusom slide in legend. Each key is programmable, allowing you to define a unique keypad to match your specific application. The legendable insert feature means you don't have to pay extra for custom overlays to achieve a custom look.

A wide range of communications drivers are available: Allen-Bradley, Modicon, GE Fanuc, Keyence, Control Microsystems, Bristol Babcock, and more. Over 100 brands of PLCs and motion controllers are supported.



OITware-200 configuration software includes recipes, menus, alarms, and the ability to create over 500 screens.

Designed for harsh industrial environments, the OIT4175 carries a Class I, Division 2 rating and operates

under a wide temperature range.

The OIT4175 is a powerful and durable operator interface.

Every Machine Needs the Human Touch



Hardware		
Display	4 line by 20 character 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	

Environmental		
Operating Temperature	14 ~ 149°F (-10 ~ 65°C)	
Storage Temperature	-22 ~ 176°F (-30 ~ 80°C)	
Relative Humidity	5% ~ 95% (non-condensing)	
Ratings	NEMA4X, IP65	
Certifications	CE, cULus (Class I, Division 2)	

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.

Specifications subject to change without notice.

OIT4175 Specifications

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 High/low limits Increment/decrement value Left/right justification Optional comma insertion, hide data and 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)

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