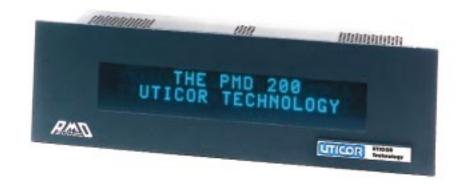# PMD 200
MASTER MESSAGE DISPLAY

FEATURES:

- **2-line display with 20 vacuum fluorescent characters 0.433" (11.0 mm) high**

- **Can be viewed from 20 ft. (6.1 m)**

- **Accommodates Display time, date, variable data signals**

- **Will display scroll, chain, blink, print, log, & center messages**

- **Approximately 150 40-character messages per 8K bytes of EEPROM memory**

- **UL Listed**

- **CSA Certified**

- **FM Division I, Class 2, Groups A, B, C, D**

- **115/230 VAC, 47-68 Hz, 18 VA (standard)**

- **24 VDC (20-32 VDC), 18 VA (optional)**

- **NEMA 12 Front panel**

The PMD 200 Master Message Display was designed to give you more display continuity and flexibility than ever before. This extraordinary low-cost unit is an intelligent, alphanumeric display panel, which is user programmed with individualized messages. Its compact size reduces space previously required for annunciator panels and indicator lights. Unlike annunciator panels, the PMD 200 can be used to provide complete information of machine or process status, operator prompting, and fault indicators.

The PMD 200 Master Message Display comes with 2-line display with 20 vacuum fluorescent characters 0.433" (11.0 mm) high. Interfacing to this unit is not a problem either. The PMD 200 Master Message Display comes with drivers that enable it to interface directly with over 30 brands and/or models of PLCs.

Messages are programmed into the Master using any ASCII terminal or PC with an RS-232C interface. Message programs can be stored on digital tape and reloaded into one or more message displays at any time. The PMD 200 can be interfaced to a printer, either to print the entire program or to print individual messages as selected.

The RS-422A port provides communication with up to 65,520 Slave displays that can be addressed both individually or in groups. Another RS-422A port provides computer interfacing capability, which allows a computer to share control of the PMD 200's operation.

SPECIFICATIONS

MECHANICAL

Weight:
5.6 lb. (2.54 kg)

Housing:
Rugged Black Aluminum Case

Front Plate:
NEMA 12
NEMA 4X - Stainless Steel

Dimensions:
See drawing-inches (mm)

DISPLAY

Display Technology:
Vacuum Fluorescent (blue)

Lines:
2

Characters per line:
20, 5 x 7 dot matrix

Character Height:
0.433" (11.0 mm)

Character Set:
All Standard ASCII upper/lower case
and symbols

Viewing Distance:
20 ft. (6.1 m)

ELECTRICAL

Interface Port:
RS-422A

Power Source:
AC (jumper selectable): 115 VAC
(102-132), 47-63 Hz, 18 VA

230 VAC (194-250), 47-63 Hz,
18 VA

DC: 24 VDC (21-26), 18 VA

Electrical Interference:
NEMA ICS 2-230 Showering Arc Test

Electrical Tolerance:
ANSI C37.90a-1974 (SWC)
Surge Withstand Capability Test

MEMORY

Battery Life-OFF continuously:
Typically 5 years
(minimum $1\frac{1}{2}$ years)

Memory Message Type:
EEPROM (8K, 16K, 32K, 64K)

Life:
EEPROM Min. 10,000 changes
to a given location

Memory Usage:
Approximately 150 40-character
messages per 8K Bytes of memory

ENVIRONMENTAL

Temperature (Ambient):
Operational: 32 to 140 °F
(0 to 60 °C)

Storage: -40 to +203 °F
(-40 to +95 °C)

Humidity:
10 to 95% RH, Noncondensing

Enclosure Rating:
NEMA 12 (standard),

Mounting Dimensions:

4.375
(111.1)

Side View

3.325
(84.5)

4.800
(121.9)

13.400 (340.4)

Top View

4.375
(111.1)

14.370
(365.0)