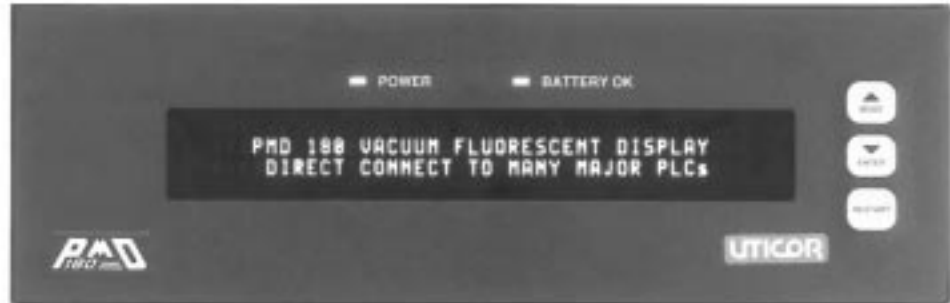


PMD 180 MASTER MESSAGE DISPLAY

FEATURES:

- 2 x 40 or 4 x 20 character display
- 5 X 7 dot matrix characters, 10 ft. (3.05 m) viewing distance
- Message priority & queue to 16 messages



ADVANCED FEATURES:

- Power & Battery Status LEDs
- Mode, Enter, and Restart pushbuttons on front panel
- Display time, date, variable data
- Scroll, chain, blink, print, log, & center messages
- Message Memory: EEPROM (8-128K)
- 115/230 VAC (standard), 24 VDC (optional)
- UL Listed
- CSA Certified
- FM Division I, Class 2, Groups A, B, C, D
- Front Panel: NEMA 12

The PMD 180 is a compact and versatile 2- or 4-line programmable message display with 20 or 40 vacuum fluorescent characters per line 0.197" (5 mm) high. The PMD 180 comes with drivers that allow it to be interfaced to over 30 different brands and/or models of PLCs.

Depending on which options you order, the PMD 180 can have 8K, 32K, 64K, or 128K of EEPROM. Also available as an option is an extra board, which adds a parallel, slave, and printer port to the unit.

PMD 180 features chaining, blinking, scrolling, printing, and centering messages. Hardware features include data logging, 16-message circular queuing with prioritization capability, and the ability to program messages in U.S., English, Swedish, French, Danish, German, Cyrillic, and Japanese Kana international character sets.

Any ASCII terminal or personal computer with an RS-232C interface can be used to program a whole network of message displays. **Free** DOS-based custom program development software (part number 10F54) provides the menus, prompts, and help screens that make message entry and editing easy... And, the message simulation feature lets you see your messages as they will appear on your PMD 180.

SPECIFICATIONS

MECHANICAL

Weight:

4.5 lb. (2.04 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 or 4

Characters per line:

20 or 40

Display Configurations:

2 lines x 40 characters per line
4 lines x 20 characters per line

Display Character Type:

5 x 7 dot matrix

Viewing Distance:

10 ft. (3.05 m)

ELECTRICAL

Message Memory:

EEPROM (8K, 16K, 32K, 128 K)

Slave Port:

Optional

Computer Port:

Standard ASCII

Parallel Port Inputs:

20 (optional)

Terminal Block:

Wire-clamp terminal block for 18 AWG

Parallel Port Source Inputs:

10-30 VDC

Printer Port:

Optional

Power Source:

115 VAC (102-132), 47-63 Hz,
11 VA

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

24 VDC (20-32 VDC), 11 W

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 1½ years)

Memory Message Type:

EEPROM (8K, 32K, 64K, 128K)

Mounting Dimensions:

Life:

EEPROM Min. 10,000 changes
to a given location

Memory Usage:

Approximately 175 80-character
messages per 16K Bytes of memory

ENVIRONMENTAL

Temperature (Ambient):

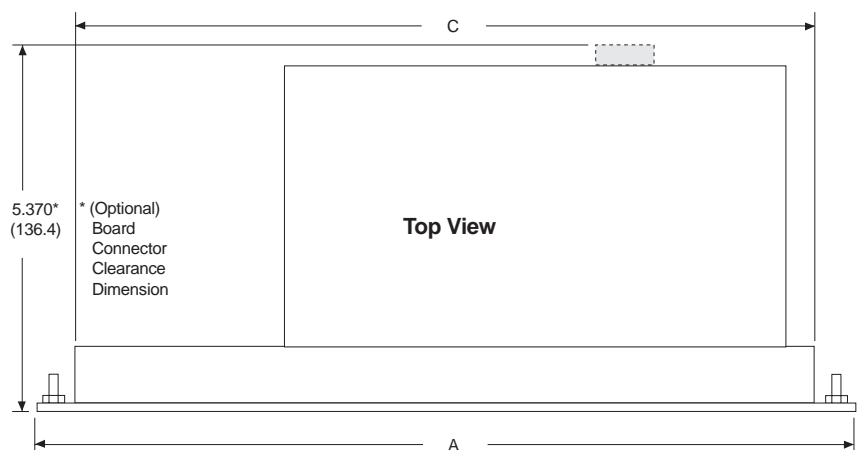
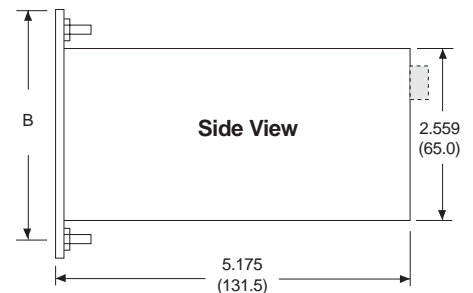
Operational: 32 to 140 °F
(0 to 60 °C)

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

Humidity: 10 to 95% RH,
Noncondensing

Enclosure Rating:

NEMA 12



| PMD 180 | NEMA | A | B | C |
|---------------------|------|----------------|--------------|----------------|
| 4 Line/20 Character | 12 | 8.650 (219.7) | 3.700 (94.0) | 8.150 (207.1) |
| 2 Line/40 Character | 12 | 11.550 (293.4) | 3.700 (94.0) | 10.984 (279.0) |