

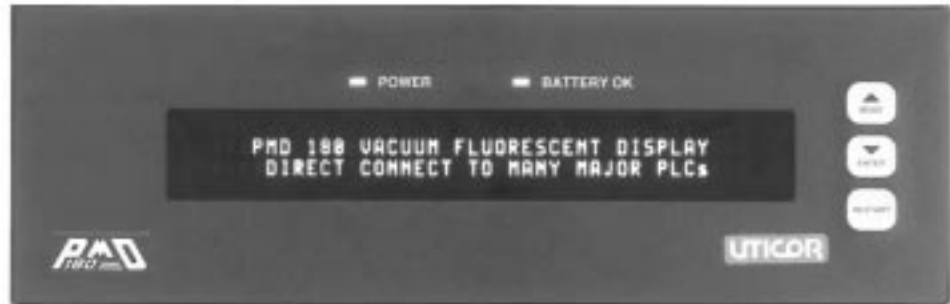
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# PMD 180S SLAVE MESSAGE DISPLAY

## FEATURES:

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- **2- or 4-line display with 20 or 40 characters 0.183" (4.65 mm) high**
- **Can be viewed from 10 ft. (3.05 m)**
- **Accommodates Display time, date, variable data signals**
- **Will display scroll, chain, blink, print, log, & center messages**
- **UL Listed**
- **CSA Certified**
- **FM Division I, Class 2, Groups A, B, C, D**
- **115/230 VAC, 47-68 Hz, 11 VA (standard)**
- **24 VDC (20-32 VDC), 11 VA (optional)**
- **NEMA 12 Front panel built-in mounting studs**



The PMD 180S Slave Display was designed to give you more display continuity and flexibility than ever before. This extraordinary low-cost unit is an alphanumeric display that can be interfaced to all PMD Master Message Displays, PowerPanel Touchscreen Programmable Graphics Interfaces, or any PC that has an RS-422A or RS-232C serial port.

Like its master message display counterpart, the PMD 180S is available with 2- or 4-line display with 40 or 80 vacuum fluorescent characters 0.183" (4.65 mm) high. Interfacing to this unit is not a problem either. The PMD 180S Slave Display supports both ASCII and PMD protocols.

Each slave is given an individual address using the front panel pushbuttons. The units' addresses consist of a group number from 0 to 15 and a unit number from 0 to 4,095. Along with the individual addresses, you can also address all the displays in the same group or all the slave displays at once.

Connections to the PMD 180S Slave Display are made easily using the wire-clamp terminals provided on the back panel of the unit. To prevent tampering after setup, there is also a switch on the back panel that allows the disabling of the three front panel pushbuttons (Mode, Enter, and Restart).

# SPECIFICATIONS

## MECHANICAL

**Weight:**

3.5 lb. (1.59 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, 5 x 7 dot matrix

**Display Configurations:**

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

**Character Height:**

0.183" (4.65 mm)

**Viewing Distance:**

10 ft. (3.05 m)

## ELECTRICAL

**Interface Port:**

RS-232C & RS-422A

**Computer Port:**

Standard ASCII

**Parallel Port Inputs:**

20 (optional)

**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

**Electrical Interference:**

NEMA ICS 2-230 Showering  
Arc Test

**Electrical Tolerance:**

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

## ENVIRONMENTAL

**Temperature (Ambient):**

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

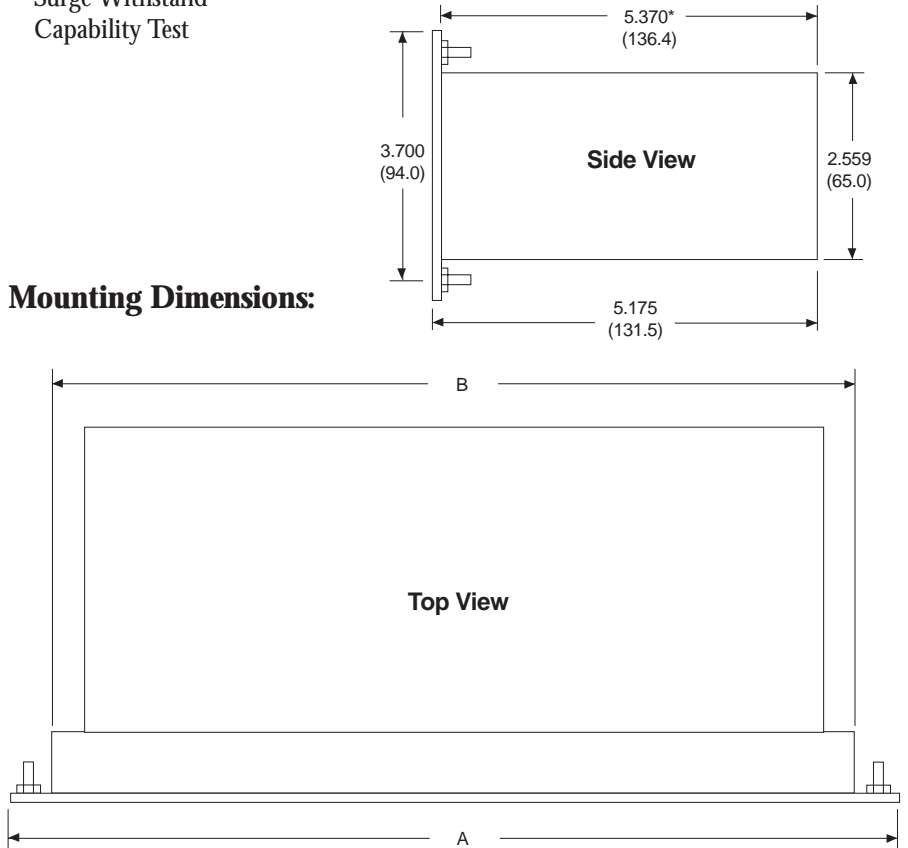
**Storage:** -40 to +203 °F  
(-40 to +95 °C)

**Humidity:**

10 to 95% RH, Noncondensing

**Enclosure Rating:**

NEMA 12



PMD 180S	NEMA	A	B
2 Line/40 Character	12	11.550 (293.4)	3.700 (94.0)
4 Line/20 Character	12	8.650 (219.7)	8.150 (207.1)