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# PMD 180MC MESSAGE CONTROLLER

## FEATURES:

- **Outputs Message priority & queue of 16 messages to slave message displays and/or slave marquees**
- **Outputs display time, date, variable data to slave message displays and/or slave marquees**
- **Creates scroll, chain, blink, print, log, and center messages, and outputs to slave message displays and/or slave marquees**
- **Approximately 175 80-character messages per 16K Bytes of memory**
- **Real-time Clock and Data Logger outputs to slave message displays and/or slave marquees are standard**
- **Power and Battery Status LEDs**
- **Mode, Enter, and Restart pushbuttons on front panel**
- **UL Listed**
- **CSA Certified**
- **FM Division I, Class 2, Groups A, B, C, D**
- **115/230 VAC, 47-68 Hz, 8 VA (standard)**
- **24 VDC (20-32 VDC), 8 VA (optional)**



The PMD 180MC Message Controller is intended to drive slave message displays and slave marquees. The unit 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 180MC can have 8K, 32K, 64K, or 128K of EEPROM of RAM. Also available as an option is an extra board, which adds a parallel, slave, and printer port to the unit.

The PMD 180MC features outputs to enable chained, blinking, scrolling, printed, and centered messages on slave message displays and/or slave marquees. Hardware features include data logging, 16-message queuing with prioritization capability, and the ability to program messages for output 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** custom software 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 slave message displays and/or slave marquees.

# SPECIFICATIONS

## MECHANICAL

- Weight:**  
3.8 lb. (1.72 kg)
- Housing:**  
Rugged Black Aluminum Case
- Front Plate:**  
NEMA 12
- Dimensions:**  
See drawing-inches (mm)

## ELECTRICAL

- 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:**  
**AC Model (standard):** 115 VAC (102-132), 47-63 Hz, 8 VA  
230 VAC (194-250), 47-63 Hz, 8 VA  
**DC Model (optional):** 24 VDC (20-32 VDC), 8 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 1½ years)
- Memory Message Type:**  
EEPROM (8K, 32K, 64K, 128K)
- 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

## Mounting Dimensions:

