



## Features

- Multichannel (17 Channels) push button selectable
- AC or DC Input
- 3½ or 4½-Digit Display
- External Input
- Selectable Decimal Point Locations

## DESCRIPTION

The PM212 is a digital readout specifically designed as a plug-in module for the MC1-10/20 multichannel modular transducer control system. Front panel pushbutton switches are used to select and display the 0 to 10 Vdc or ac outputs from any one of the "A" outputs from up to 17 MC1 Signal-Conditioning Modules.

The PM212 occupies three plug-in slots of the MC1-10/20 module case. It plugs into channels 8, 9, and 10 of the MC1-10 or channels 18, 19, and 20 of the MC1-20 case. A separate connector is contained in the module case to provide input to the PM212. With the PM212 removed, these three channels may be used for other plug-in modules.

The front panel has jacks for an external input signal from 0 to 17.5 Vdc volts and ac/dc switch for operating with ac or dc inputs. The ac input is displayed as an rms value on the indicator. A different decimal point location for each channel can be selected by jumpers on an internal patchboard.

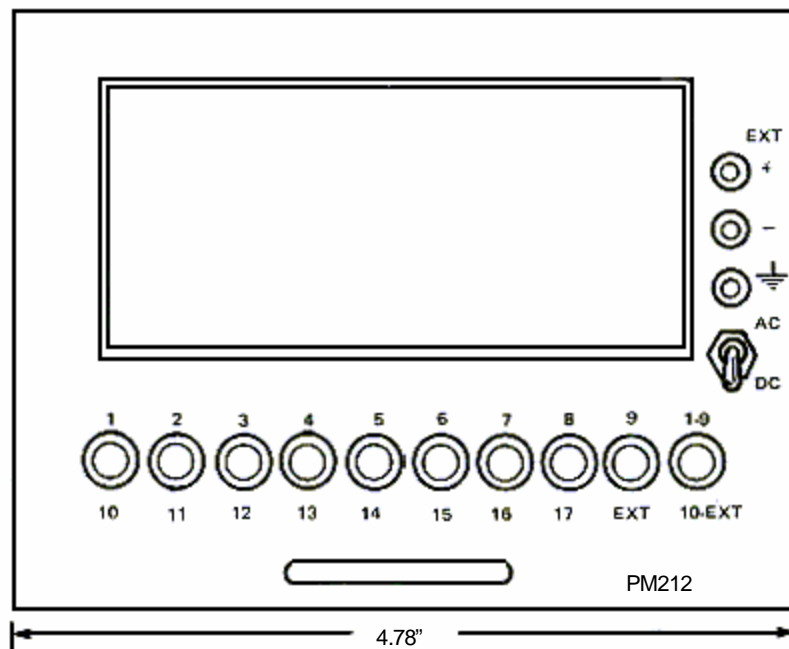
## Ordering Information

- PM212-1: 3 1/2-digit LED display
- PM212-2: 4 1/2-digit LED display
- PM212-3: 4 1/2-digit LCD display

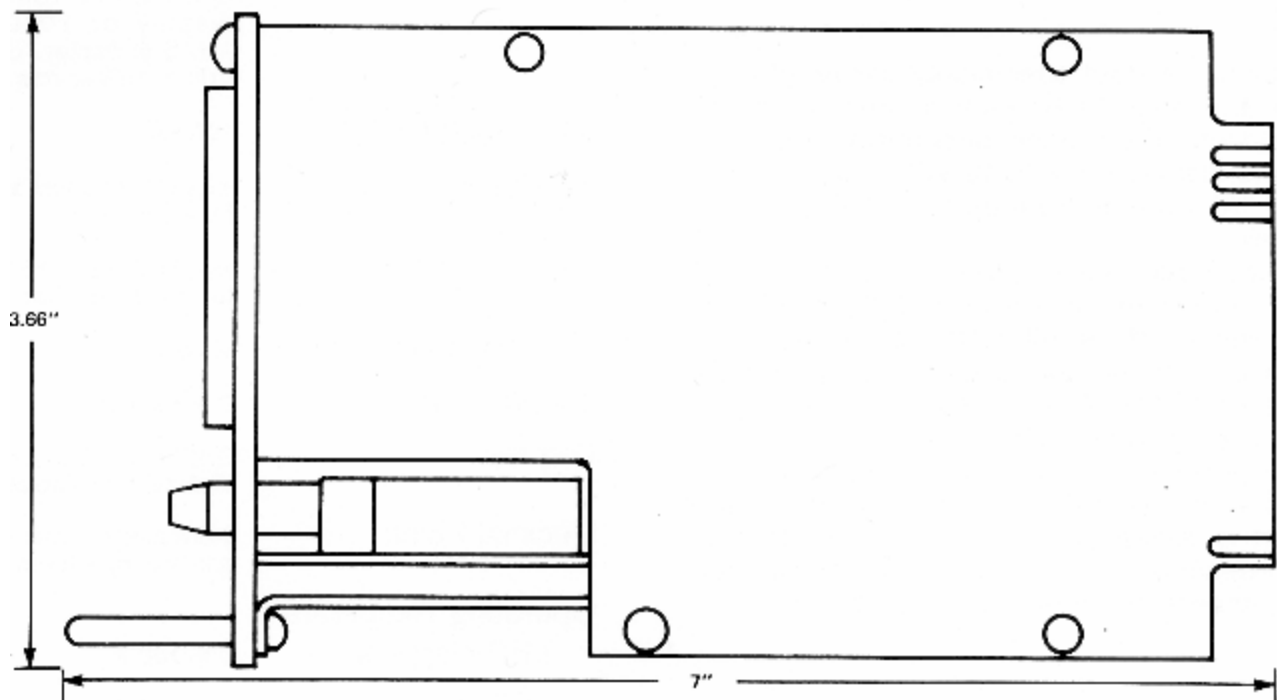
## Specifications

<b>Input Signals:</b>	±10 Vdc or 7 Vac rms for nominal 100 counts/volt reading on 3½-digit display or 1000 counts/volt on 4½-digit display. External input ±17.5 Vdc or 15 Vac rms maximum.
<b>Input Impedance:</b>	100 kΩ
<b>Accuracy:</b>	±0.05% ±1 count for DC signal. 1% FS for AC input.
<b>AC Bandwidth:</b>	±1 dB; 5 Hz to 15 kHz at 1 Vac; 5 Hz to 15kHz at 7 Vac.
<b>Repeatability:</b>	±1 count
<b>Display rate:</b>	2 per second
<b>Display:</b>	0.43" high LED numerals or 0.5" LCD display; + or – polarity indication.
<b>Decimal Point:</b>	Individually selectable for each channel by internal jumpers.
<b>Operating Temperature</b>	
<b>LED displays:</b>	0 to 160°F
<b>LCD displays:</b>	0 to 120°F
<b>Temperature Coefficient:</b>	Less than 0.003% FS/°F
<b>Humidity:</b>	0 to 95% RH, noncondensing
<b>Power Requirements:</b>	±15 Vdc (supplied for MC1 case).
<b>Weight:</b>	1.75 lb (0.8 kg)

# TYPICAL APPLICATIONS



PM212 FRONT PANEL



MECHANICAL LAYOUT