



# Type 8180-1200

The 8180-1200 Series Multifunction Display has a dimmable multi-function screen that provides display of control and machinery status in imperial or metric units.

Screens can be configured to display the most basic system information or more comprehensive data.

### FEATURES

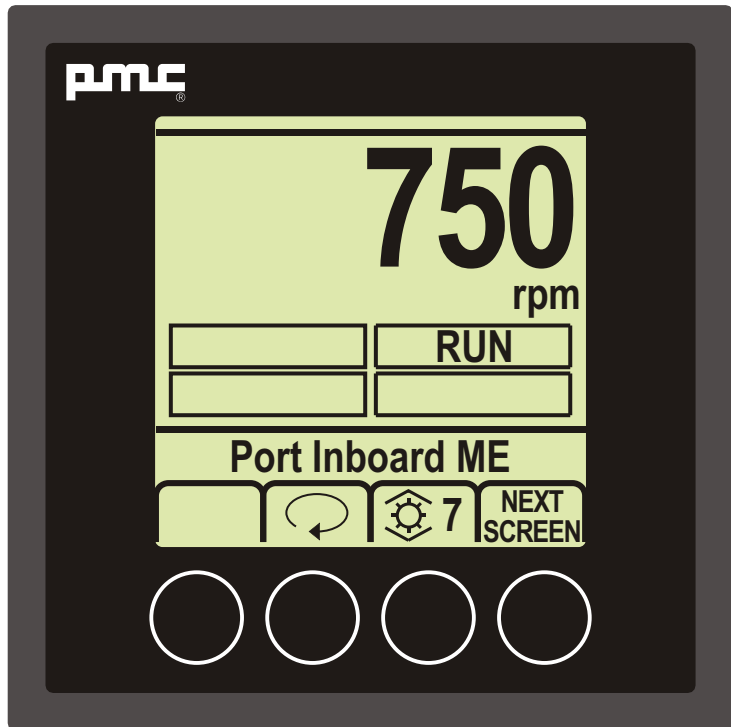
- Integrate PMC products on a common protocol on a common networking system
- Reduced system installation cost from wiring
- Backlit, dimmable, 160 x 160 pixel graphical LCD
- Control and machinery status display (metric or imperial) and horn in each display
- Four membrane buttons with intuitive software menu in plain English

### APPLICATIONS

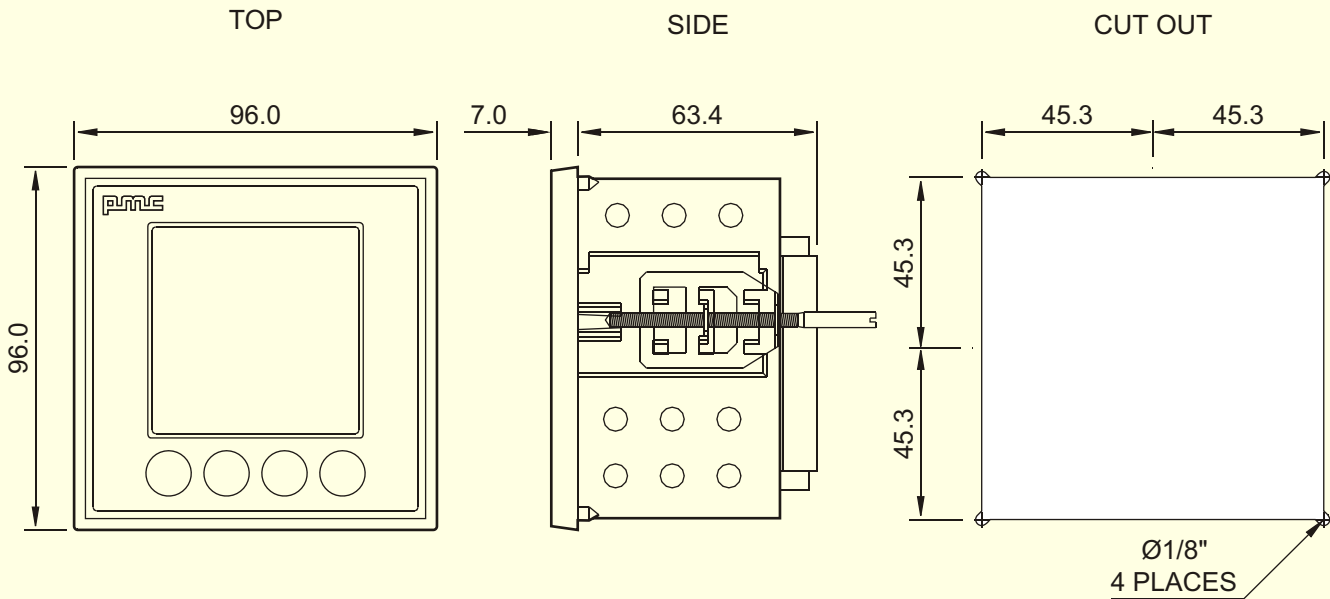
- rpm meter
- Frequency meter
- Generic meter
- Serial driven repeater
- NMEA repeater

## MULTIFUNCTION GRAPHIC DISPLAY

96 mm DIN  
ISOLATED RPM DISPLAY



## DIMENSIONS FOR 8180-1200 MULTIFUNCTION DISPLAY



SCALE 1 : 2

### SPECIFICATIONS:

#### Supply:

- Nominal 24 V<sub>DC</sub>, range 18 to 35 V<sub>DC</sub>
- Reverse voltage protection
- Input fuse 4 A
- Nominal 133 mA, peak 290 mA

#### Environmental:

- Operating temperature -5°C to +70°C (Optional extended range -25°C to +70°C)
- Storage temperature -30°C to +80°C
- Vibration: Frequency range 2 to 100 Hz  
Peak to peak amplitude 2 mm below 13.2 Hz  
Acceleration amplitude 0.7 g above 13.2 Hz
- CE compliant for EMC (IEC/EN60945)

#### Physical:

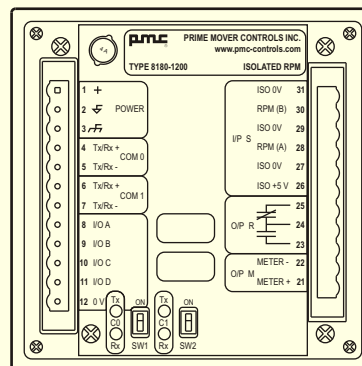
- IP40 above console (IP66 with optional watertight cover)
- Dimensions:  
96 mm L × 96 mm W × 70.4 mm H  
(3.78" L × 3.78" W × 2.77" H)
- Weight, typical 250 g (1.55 lbs)
- Removable terminal blocks for 14 to 20 AWG wires

#### Inputs/Outputs:

- 2 isolated RS-485 communication ports
- 1 isolated rpm input
- 1 isolated meter output
- 1 relay output
- 4 open collector input/outputs 0.75 A @ 35 V<sub>DC</sub>

### Diagnostics

- LED indication for RS-485 Rx & Tx line



## PRIME MOVER CONTROLS INC.

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