

# PowerView® PV380

## Engine & Diagnostic Display

The PowerView 300 Series features robust, multifunction displays for advanced monitoring of multiple electronic engines. The PV380 display in this series monitors multiple engine and machine parameters on an easy-to-read 3.8-inch (97 mm) QVGA monochrome LCD. The display is capable of handling sophisticated engine diagnostics as well as basic engine alarm/shutdown.

Customize the PV380 display utilizing the PowerVision Configuration Studio® software, an intuitive tool designed to make customization simple. Using the software tool, users can tailor basic graphics, designate screen layout and define custom parameters.

The PV380 is equipped with five tactile push buttons to quickly access a convenient menu. In addition, a backlit and heated graphic display with LEDs indicate alarm or shutdown status.



### Specifications

Operating Voltage: 6-36 VDC

Vibration and Shock: 7.86 random vibe (5-2000HZ) and  $\pm 50g$  shock in 3 axes

Reversed Polarity: Withstands reversed battery terminal polarity

Operating Temperature: -40° F to 185° F (-40° C to 85° C)

Storage Temperature: -40° F to 185° F (-40° C to 85° C)

Communications: (1) CAN 2.0B; J1939 Protocol; Proprietary Messaging; (1) RS-485 serial MODBUS

EMC/EMI:

2004/108/EC and 2006/95/EC directives

EN61000-6-4:2001 (emission)

EN61000-6-2:2001 (immunity)

EN-50121-3-2 and EN 12895

Connectors: Deutsch DT Series 6 and 12 pin

Inputs: (4) resistive analog; (3) analog; 0-5 V analog or digital; (1) frequency 2-10000 Hz, 3.6-120 VAC

Outputs: (2) 500 mA; switched low-side

SAE J1113/2, 4, 11, 12, 21, 24, 26 and 41

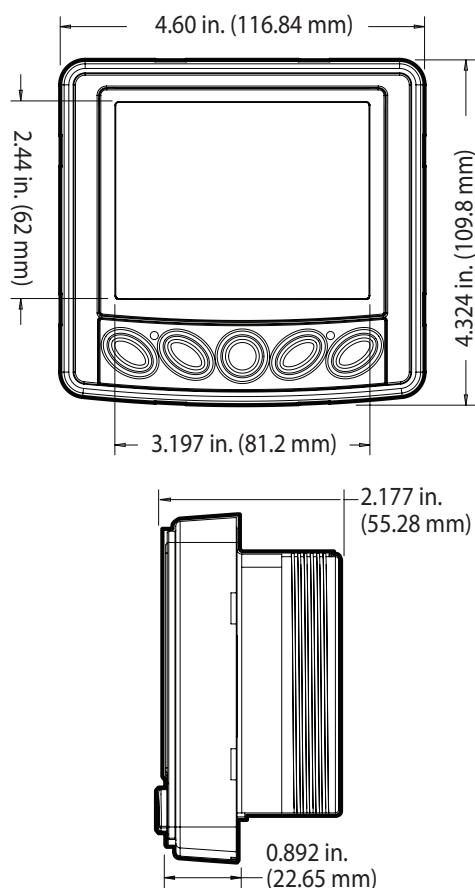
Display: 3.8" (97 mm) QVGA (320 x 240 pixels); monochrome trans-flective LCD with white LED backlight and heater

Viewing Angle:  $\pm 50$  horizontally;  $+45^\circ/-60^\circ$  vertically

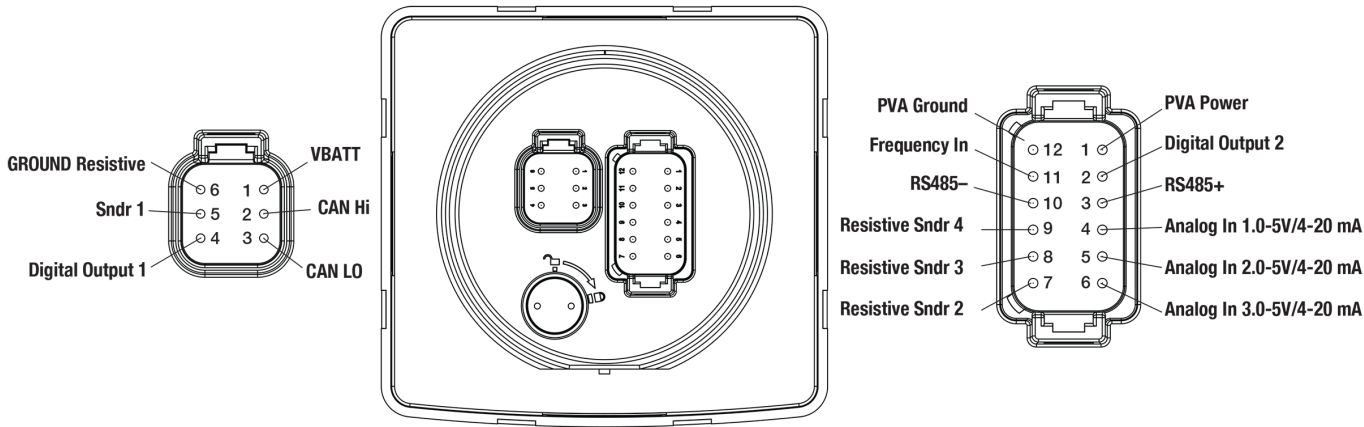
Keys: 5 tactile push buttons

Alarms: Red and amber warning LEDs; capable of set point-triggered output for external piezo buzzer or shutdown relay

### Dimensions



Pinout



How To Order

| Part Number | Description                                       | Notes       |
|-------------|---------------------------------------------------|-------------|
| 78700708    | PV380-R3, Murphy Standard                         | Display     |
| 78051077    | Seal, PV380-350 gasket                            | Service     |
| 78001104    | Connector Kit, PV380, 12 and 6 position connector | Accessories |
| 78001060    | 12 position, one foot whip harness assembly       |             |
| 78090100    | Programming Kit, PV380-350 with dongle            |             |