

# 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 backlight and heated graphic display with LEDs indicate alarm or shutdown status.



### Specifications

**Operating Voltage:** 6-36 VDC

**Vibration and Shock:** 7.86 random vibrate (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

**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 transfective LCD with white LED backlight and heater

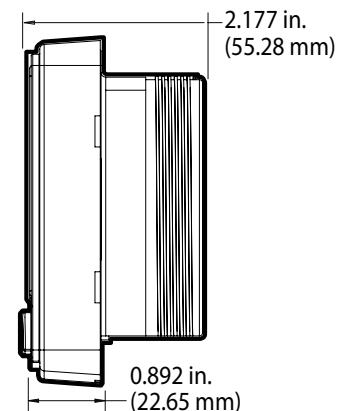
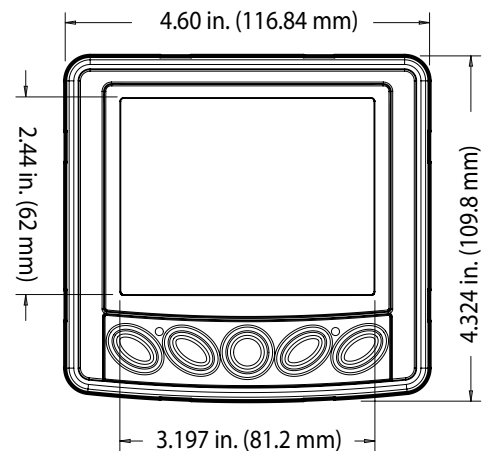
**Viewing Angle:**  $\pm 50^\circ$  horizontally;  $+45^\circ/-60^\circ$  vertically

**Keys:** 5 tactile push buttons

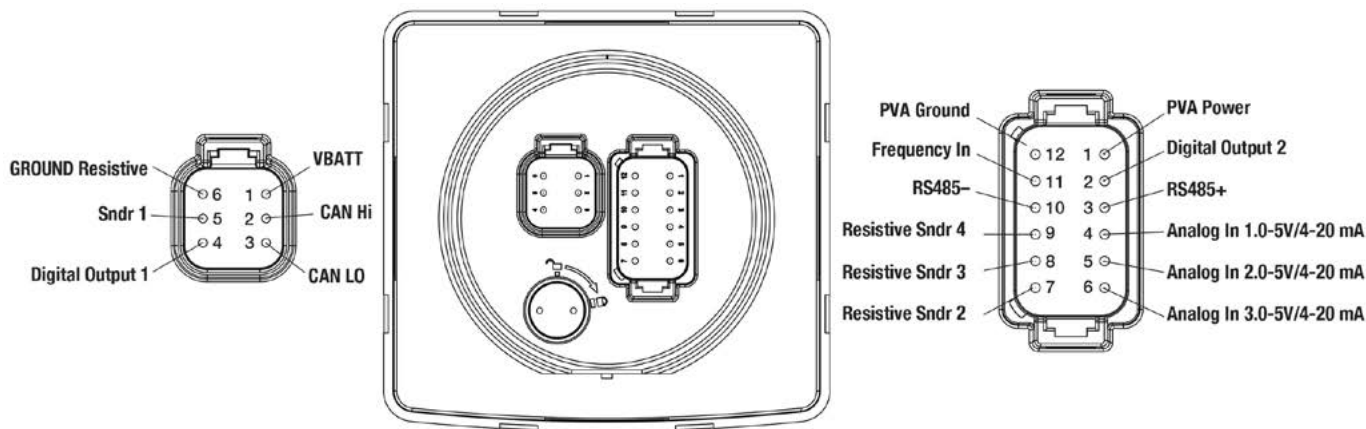
**Alarms:** Red and amber warning LEDs; capable of set point-triggered output for external piezo buzzer or shutdown relay

**Real-time clock:** With Li-ion rechargeable battery backup

### Dimensions



# Pinout



# How To Order

| Part Number | Description                                       | Notes       |
|-------------|---|-------------|
| 78700609    | PV380-R2, Murphy Standard                         | Display     |
| 78000752    | PowerVision Configuration Studio® CD and license  | Software    |
| 78051077    | Seal, PV380-350 gasket                            | Service     |
| 78001104    | Connector Kit, PV380, 12 and 6 position connector | Accessories |
| 78001060    | 12 position, one foot whip harness                |             |
| 78090100    | Programming Kit, PV380-350 with dongle            |             |

信德迈科技（北京）有限公司2005年开始在中国经销美国Murphy摩菲仪器仪表产品

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