

# 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 vibs (5-2000HZ) and ±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

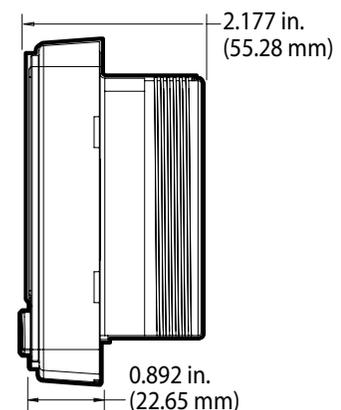
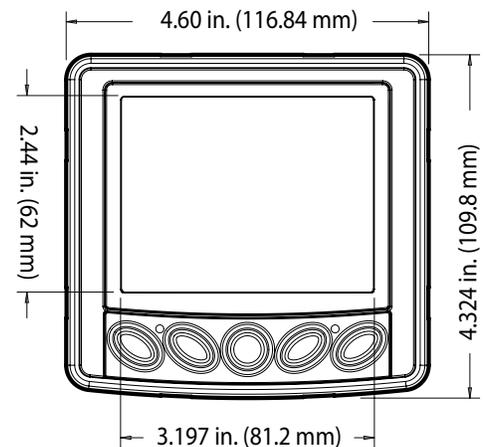
**Viewing Angle:** ±50 horizontally; +45°/-60° vertically

**Keys:** 5 tactile push buttons

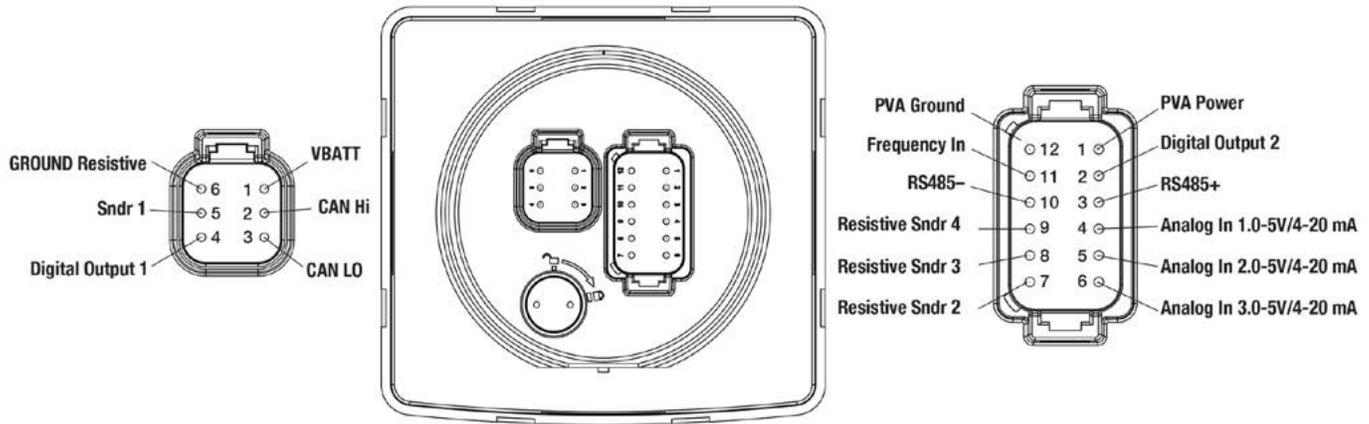
**Alarms:** Red and amber warning LEDs; capable of set point-triggered output for external piezo buzzer or shutdown relay

**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	