


Powerview™ - Model PV101-A-HAZ



Features

- For modern electronic engines and equipment applications using SAE J1939 Controller Area Network
- Displays over 50 standard SAE J1939 parameters broadcast by engine and transmission ECU's
- Displays active and ECU-stored faults with text description for diagnosing equipment malfunctions
- Simple connection to optional components
- Proprietary J1939 protocols are supported.
- ATEX Certified, Zone 2, Category 3G
 II 3G IIC T3 Ta = -10° C to 70°C

The **PowerView Model PV101-A-HAZ**, Murphy's powerful display in the J1939 MurphyLink® family of components, provides a window into modern electronic engines and transmissions.

The PV101 display is a multifunction tool which enables equipment operators to view many standard engine and transmission parameters as well as active and stored trouble codes. The display can show either a single parameter or a quadrant display showing four parameters simultaneously. Diagnostic capabilities include codes with text translation for the most common fault conditions. The enhanced alarm indication has ultra-bright alarm and shutdown LEDs (amber and red).

Enhanced features for the PV101-A-HAZ include:

- **Multiple language options** - English, Spanish, French, German, Italian
- **Fuel Sender Input** - select between backlight dimmer function or fuel level. Can be calibrated to use non-Murphy fuel senders.
- **Service Reminders** - 5 service reminders allow users to set hours for: Change Engine Oil, Change Air Filters, Change Hydraulic Oil, Service Engine, and Service Machine.
- **Select Source Address** - select the exact address the PV101 will claim on the Bus.
- **Select CANBUS Data Rate** - allows user to select CABUS data rate

Display Parameters

The following are some of the engine and transmission parameters displayed by the PowerView (when applicable, consult engine or transmission manufacturer for SAE J1939 supported parameter(s)). The PowerView can display these parameters in all available languages, as well as in English or Metric units.

- | | |
|------------------------------------|---|
| • Engine RPM | • Engine Manifold Air Temperature |
| • Engine Hours | • Current Fuel Consumption |
| • Fuel Rate | • Transmission Oil Pressure |
| • System Voltage | • NMEA 2000 GPS Parameters |
| • % Engine Load at the Current RPM | • Transmission Oil Temperature |
| • Coolant Temperature | • Transmission Gear Position |
| • Catalyst Level | • Active Service Codes |
| • Oil Pressure | • Stored Service Codes (when supported) |
| • Fuel Economy | • View Engine Configuration Parameters |
| • Throttle Position | |

Specifications

Operating Voltage

- 12/24V (8-32 VDC minimum and maximum voltage)

Reversed Polarity: Withstands reversed battery terminal polarity indefinitely within operating temperatures.

Environmental

ATEX Operating Temperature: -10 to +70°C (+14 to +158°F)

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

Environmental Sealing: IP68, ±5 PSI (±34.4 kPa)

Power Supply Operating Current

- (@ 14VDC) 52 mA min: 300mA max
- (@ 32VDC) 1A max (with LCD heater)

CANBUS: SAE J1939 compliant

Case: Polycarbonate / polyester

Maximum Panel Thickness: 3/8 inch (9.6mm)

Resistive Input: (user selectable as one of the following)

- Backlighting Potentiometer: 1K Ohm, 1/4 W
- Murphy Fuel Sender: 33 Ohm full, 240 Ohm empty set from the factory or programmable to work with non-Murphy fuel senders

Fuel Sender Input: 33 Ohm full, 240 Ohm empty set standard from factory for use with Murphy Fuel Sender. Programmable for use with non-Murphy fuel senders

Shipping Weights (all models): 1 Lb. (450g)

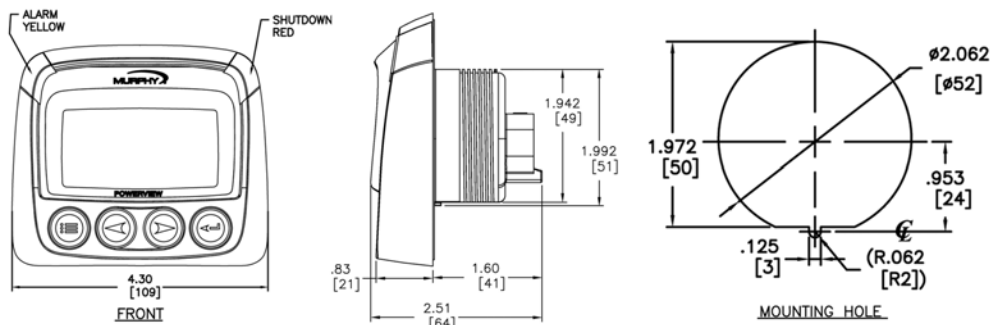
Shipping Dimensions (all models):

- 5 x 6 x 6 in. (127 x 152 x 152 mm)

Clamp: PBT

Connectors: 6-pin Deutsch DT Series

Product Dimensions



How to Order

Part Number	Model Number	Description	Languages Available
78700248	PV101-A-HAZ	Murphy Standard, Hazardous Environment	English, Spanish, French, Italian, German
78700428	PV101 SHIELD	Impact Shield Assembly	
78700430	HAZ ENVIRONMENT KIT	PV101-A-HAZ W/ PV101 Shield	

Murphy摩菲仪表授权经销商

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