



THE POWERVIEW<sup>®</sup>  
**101**

**THE SIMPLE SOLUTION FOR  
COMPLEX ELECTRONIC ENGINES**

The world's leading CAN-based monitor and diagnostic display for engines and machinery.

Compact size to fit your application

Superior sunlight viewability

Streamlined design

Easy-to-use configuration software

Detailed diagnostics

Multiple languages supported (10 options available)



The PowerView 101 displays standard J1939 parameters and fault codes into easy to understand language accessed via a backlit LCD display.

It can display up to four engine/transmission and auxiliary parameters simultaneously. It also features alarm and shut-down lights, along with detailed diagnostics.

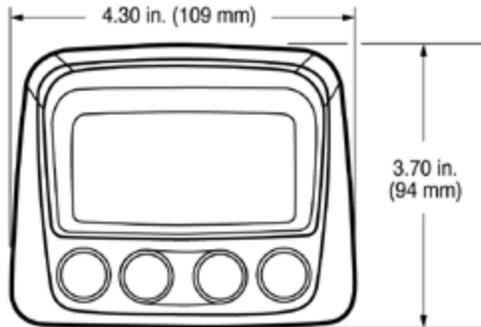
With Tier 4 and Stage IV compliance, plus compatibility and software configuration options, the PV101 is up to date with the latest customer requirements without sacrificing the ease of use that made it a success.

The PowerView 101 display is the industry standard, used by thousands of OEMs around the world. It's built tough, dependable and simply the best.

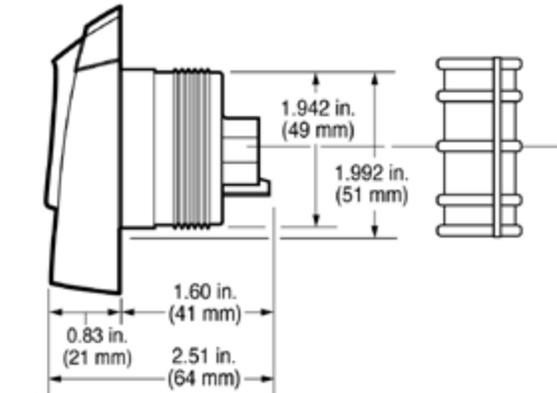
# THE POWERVIEW®

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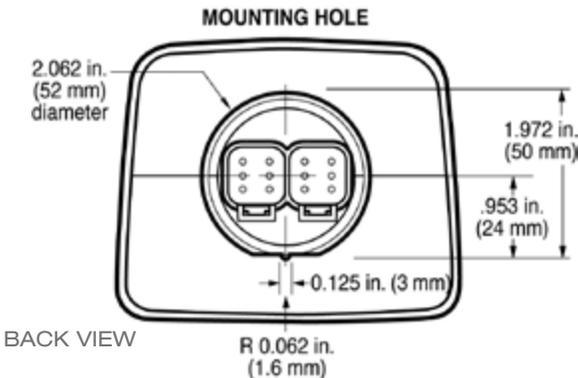
## STANDARD DIMENSIONS



FRONT VIEW



SIDE VIEW



BACK VIEW

## TECHNICAL SPECS

DISPLAY: 1.3 x 2.6 in. (33 x 66 mm), 64 x 128 pixels

OPERATING VOLTAGE: 8 VDC min. to 32 VDC max

REVERSED POLARITY: Withstands reversed battery terminal polarity indefinitely within operating temperatures

OPERATING TEMPERATURE: -40°C to +85°C (-40°F to 185°F)

DISPLAY VIEWING TEMPERATURE: -29°C to +85°C (-20°F to 185°F)

STORAGE TEMPERATURE: -40°C to +85°C (-40°F to 185°F)

ENVIRONMENTAL SEALING: IP68, +/- 5 PSI (+/- 34 kPa)

POWER SUPPLY OPERATING CURRENT:

(@ 14 VDC) 52 mA min. 300 mA max.

(@ 32 VDC) 1 mA max. (with LCD heater).

CAN BUS: SAE J1939 Compliant

CASE: Polycarbonate / Polyester

CLAMP: Polyester (PBT)

CONNECTORS: 6-Pin Deutsch DT Series

AUXILIARY RS485 COMMUNICATIONS PORT:

38.4K baud, N, 8, 1 or 2, half duplex

User configurable as MODBUS® MASTER or MODBUS RTU SLAVE

MASTER ACTIVE (default) drives optional PVA or PVM gages

SLAVE ACTIVE offers user adjustable communication parameters

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 standard from factory for use with Murphy fuel sender. Can be set for non-Murphy fuel senders

SHIPPING WEIGHTS (all models): 1b. (450 g.)

SHIPPING DIMENSIONS (all models): 4-3/4" x 4-3/4" x 3-1/8" (121mm x 121mm x 79 mm)

**ENOVATION CONTROLS CORPORATE HEADQUARTERS**  
5311 S 122ND EAST AVENUE  
TULSA, OK 74146

**ENOVATION CONTROLS LTD. – UNITED KINGDOM**  
CHURCH ROAD LAVERSTOCK  
SALISBURY SP1 1QZ UK

**MURPHY INTERNATIONAL TRADING – CHINA**  
SUITE 1704, ANTAI BUILDING, 107 JUNYI RD  
SHANGHAI, 2000 S1 CHINA

**ENOVATION CONTROLS INDIA PVT. LTD.**  
301, 3RD FLOOR, KRSNA CHAMBERS 11,  
GALAXY GARDENS, NORTH MAIN ROAD,  
KOREGAON PARK, PUNE - 411001  
MAHARASHTRA, INDIA

### U.S. SALES & SUPPORT

**MURPHY PRODUCTS**  
PHONE: 918 317 4100  
EMAIL: SALES@ENOVATIONCONTROLS.COM  
WWW.ENOVATIONCONTROLS.COM

**MURPHY INDUSTRIAL PANEL DIVISION**  
PHONE: 918 317 4100  
EMAIL: IPDSALES@ENOVATIONCONTROLS.COM

### INTERNATIONAL SALES & SUPPORT

**EUROPE, MIDDLE EAST, AFRICA**  
PHONE: +44 1722 410055  
EMAIL: SALES@ENOVATIONCONTROLS.EU

**CHINA**  
PHONE: +86 21 6237 5885  
EMAIL: APSALES@ENOVATIONCONTROLS.COM

**LATIN AMERICA & CARIBBEAN**  
PHONE: +1 918 317 2500  
EMAIL: LASALES@ENOVATIONCONTROLS.COM

**INDIA**  
PHONE: +91 91581 37633  
EMAIL: INDIA SALES@ENOVATIONCONTROLS.COM



FM 28221 (Tulsa, OK - USA)  
FM 29422 (UK)