

ML25 Panels MurphyLink® Series

The MurphyLink Series ML25 Panels feature the PowerView®PV25, an engine and diagnostic display in an economical and compact package. This J1939-compliant device provides electronic engine parameter data, is simple to install and matches the PowerView line of rugged displays. The PV25 can be powered by 12- or 24-volt systems.

The PV25 is equipped with two push buttons to quickly access a convenient menu. In addition, a back lit graphic display and two LEDs indicate Active-fault Alarm or Shutdown status.

Active and Stored Fault messages display the SPN (Suspect Parameter Number), FMI (Failure Mode Indicator) and the OC (Occurrence Count) using the SAE J1939protocol.

Features

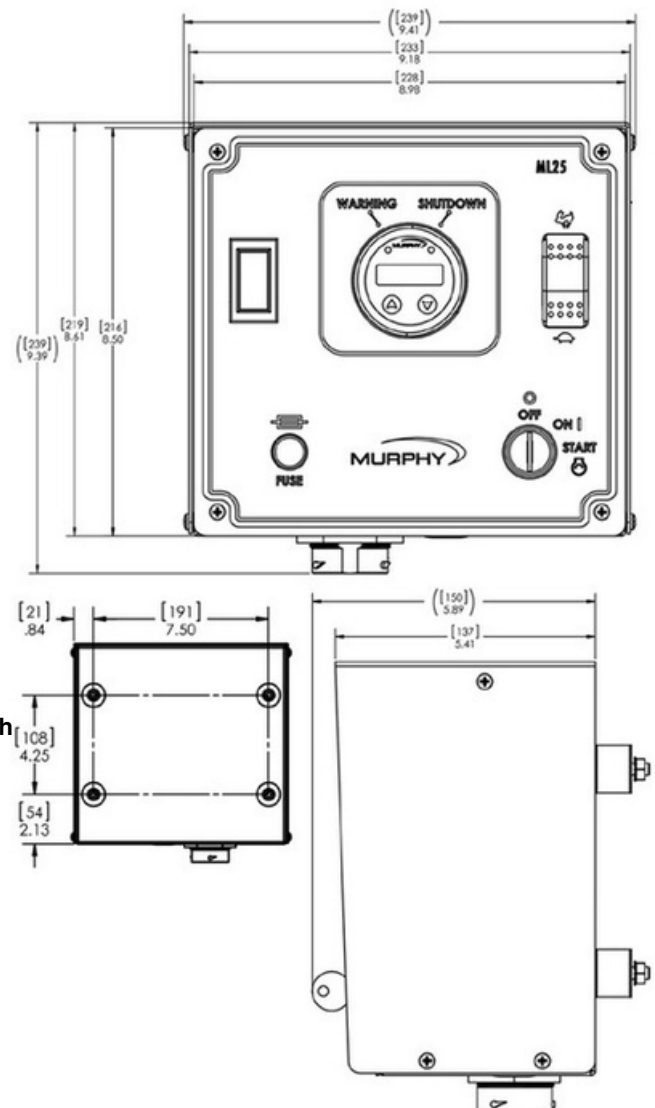
- Tier 4/Stage IIIB/IV Compliant/Ready
- Compact J1939-compliant device for electronically controlled engines
- Displays up to 20 standard J1939 parameters
- Active and stored diagnostic trouble codes
- Provides enhanced visual alarm indication using bright alarm and shutdown LEDs

Specifications

Operating Voltage:
12/24 VDC (6.5-32VDC Minimum and Maximum Voltage)
Operating Current: 850mA MAX
Mounting: 4-.75" Rubber Isolated Shockmounts
Starting Method: KeySwitch
Stopping Method: KeySwitch
Display: PowerView Model 25
Indication Lamps: One red, One Amber via PV25 Display
Enclosure Material: Powder-Coated Cold Rolled Steel
Wiring Interface: 1-Deutsch HDP 21pin Connector
Throttle Method: Rocker Switch (Digital Inputs to ECU)
Tier 4 Regeneration: CAN Enabled (via PV25) or Rocker Switch (via Digital Input to ECU)
Operational Temperature: -40° to +158°F (-40° to +70°C)
Storage Temperature: -67° to +185°F (-55° to +85°C)
Box Dimensions: 15.4 X 13.4 X 8.5 (340.6 mm X 215.9 mm)
Shipping Weight: 9.5 lbs (4.3 kg)



Dimensions



sect. 30 1211015
rev. 2016/09/07

ML50 Panels MurphyLink® Series

The MurphyLink Series ML50Panels feature PVCAN gages and the PowerView® PV25, an engine and diagnostic display in an economical and compact package. This J1939-compliant device provides electronic engine parameter data, is simple to install and matches the PowerView line of rugged displays. The PV25 can be powered by 12 or 24 volt systems.

The PV25 is equipped with two push buttons to quickly access a convenient menu. In addition, a back lit graphic display and two LEDs indicate Active-fault Alarm or Shutdown status.

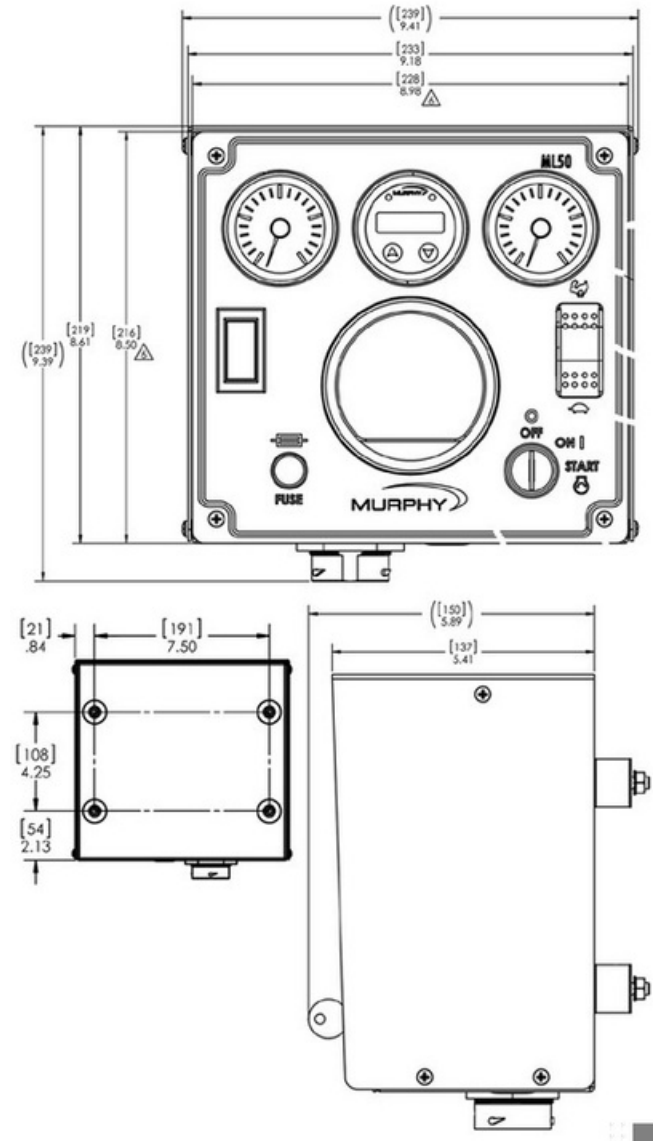
Active and Stored Fault messages display the SPN (Suspect Parameter Number), FMI (Failure Mode Indicator) and the OC (Occurrence Count) using the SAE J1939 protocol.



Features

- Stage IIIB/IV Compliant/Ready
- Compact J1939-compliant device for electronically controlled engines
- Displays up to 20 standard J1939 parameters
- Active and stored diagnostic trouble codes
- Analog gages
- Provides enhanced visual alarm indication using bright alarm and shutdown LEDs

Dimensions



Specifications

Operating Voltage:
12/24 VDC (6.5-32VDC Minimum and Maximum Voltage) Operating
Current: 1.2A MAX
Mounting: 4-.75 in. Rubber Isolated Shockmounts
Starting Method: KeySwitch
Stopping Method: KeySwitch
Display: PowerView Model 25 Indication Gages

- 1) Engine Temperature
- 2) Engine Oil Pressure
- 3) Engine Speed (Analog Tachometer)

Indication Lamps: One red, One Amber via PV25 Display
Enclosure Material: Powder-Coated Cold Rolled Steel
Wiring Interface: 1-Deutsch HDP 21pin Connector
Throttle Method: Rocker Switch (Digital Inputs to ECU)
Tier 4 Regeneration: CAN Enabled (via PV25) or Rocker Switch (via Digital Input to ECU)
Operational Temperature: -40° to +158°F (-40° to +70°C)
Storage Temperature: -55° to +185°F (-67° to +85°C)
Box Dimensions: 15.4 X 13.4 X 8.5 (391 X 340.4 X 216 mm)
Shipping Weight: 10.5 lbs (4.8 kg)

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How to Order

Part Number	Model and Description	Notes
32700212	ML50-FP :PV25 withgages flat only, PTO Ramp throttle method, 12/24 VDC	Flat panel
32700213	ML50 :PV25with gagesenclosed, PTO Ramp throttle method, 12/24 VDC	Enclosed panel
32700214	ML50-T4-FP : PV25withgages flat only w/ T4 switch, PTO Ramp T4Rockerthrottle method, 12/24 VDC	Flat panel
32700215	ML50-T4 :PV25 withgages enclosed w/ T4 switch, PTO Ramp T4 Rockerthrottle method,12/24 VDC	Enclosed panel

ML100 Panels MurphyLink® Series

The MurphyLink® Series ML100 Panel features the PV101-C display, which was developed to meet the needs for instrumentation and control on electronically controlled engines communicating using the SAE J1939 Controller Area Network (CAN).

This basic panel contains a key switch, increment/decrement throttle and the PowerView® display. This standard panel can be ordered with or without an enclosure, because all of the components are assembled to a stand-alone flat panel. Optional mounting kits are offered for the enclosure, which provide packagers and operators numerous mounting solutions to meet multiple applications. Panel designs are offered to meet the needs of specific engine models. In addition, Murphy offers standard wiring harnesses for quick plug-and-go operation that interface with all the second-generation MurphyLink PowerView panels.

The PV101 Display is a multifunction tool that enables equipment operators to view many different engine or transmission parameters and service codes. The PowerView display includes a graphical, backlit LCD screen. It has excellent contrast and viewing from all angles. The display can show either a single parameter or a quadrant display for viewing four parameters simultaneously. Diagnostic capabilities include fault codes with text translation for the most common fault conditions.

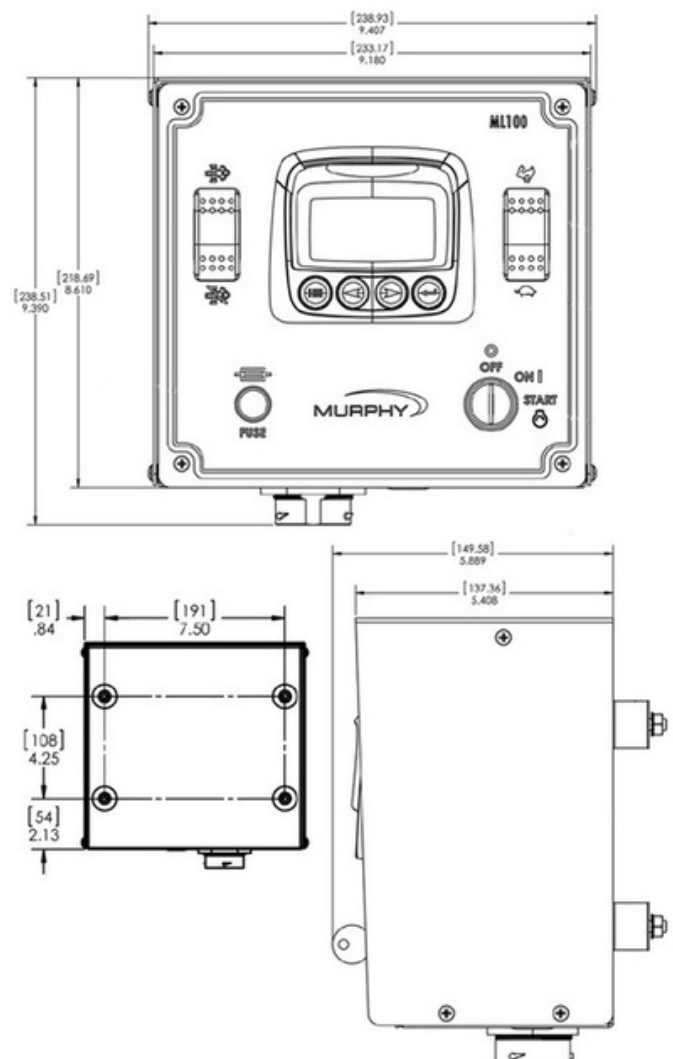
The PowerView display has four buttons using touch-sensitive technology, which eliminates the concern for push button wear and failure. In addition, operators can navigate the display with ease. Enhanced alarm indication uses ultra bright alarm and shutdown LEDs (amber and red). The PowerView display has a wide operating temperature range of -40° to 185° F (-40° to +85° C), display viewing -20° to 185° F (-29° to +85° C) and environmental sealing to +/- 5 PSI.

Features

- Tier 4/Stage IIIB/IV Compliant/Ready Standard
- Panel Designed for Modern Electronic Engines and Equipment Applications Using SAE J1939 Controller Area Network (CAN) PowerView Model
- 101 Displays More Than 50 Standard SAE J1939 Parameters Broadcast by Major Engine and Transmission Manufacturers ECUs Display Active Faults and ECU-Stored Faults with Text Description on Most Common Faults for Diagnosing Equipment Malfunctions Standard Harnesses Available for Most Major Engine Manufacturers ECUs Enclosed Design or Flat Panel Option
-



Dimensions



Specifications

Operating Voltage:
12/24 VDC (6.5-32VDC Minimum and Maximum Voltage)
Operating Current: 1A MAX
Mounting: 4-.75" Rubber Isolated Shockmounts
Starting Method: KeySwitch
Stopping Method: KeySwitch
Display: PowerView Model 101-C
Indication Lamps: One red, One Amber via PV101-C Display
Enclosure Material: Powder-Coated Cold Rolled Steel
Wiring Interface: 1-Deutsch HDP 21pin Connector

Throttle Method:
Rocker Switch (Digital Inputs to ECU)
TSC1 CAN Throttling (via PV101)
Tier 4 Regeneration:
CAN Enabled (via PV101) or Rocker Switch (via Digital Input to ECU)
Operational Temperature: -40° to +185°F (-40° to +85°C)
Viewable Temperature: -20° to +185°F (-29° to +85°C)
Storage Temperature: -40° to +185°F (-40° to +85°C)
Box Dimensions: 15.4 X 13.4 X 8.5 (391 X 340.4 X 216 mm)
Shipping Weight: 9.5 lbs (4.3 kg)

How to Order

Part Number	Model and Description	Notes
32700198	ML100-FP:PV101Flat only, PTO Ramp throttle	Flat panel
32700199	ML100: PV101 Enclosed, PTO Ramp throttle	Enclosed panel
32700200	ML100-T4-FP: PV101 Flat only w/ T4 switch, PTO Ramp T4 Rocker throttle	Flat panel
32700201	ML100-T4: PV101 Enclosed w/ T4 switch, PTO Ramp T4 Rocker throttle	Enclosed panel



sect. 30 1211017
rev. 2015/08/27

ML150 Panels MurphyLink® Series

The MurphyLink Series ML150 Panels include the PowerView™ PV101-C display and the M-Link™ PowerView Analog gages. They are part of the J1939 MurphyLink Family developed to meet the needs for instrumentation and control on electronically controlled engines communicating using the SAE J1939 Controller Area Network (CAN).

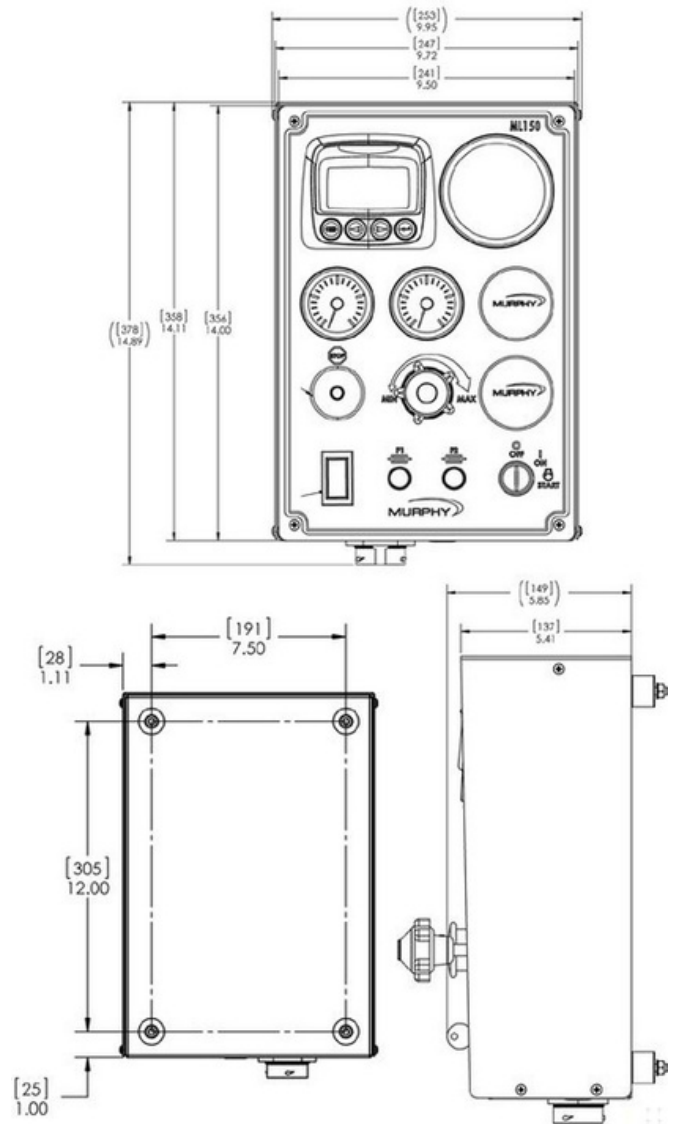
The PV101 display is a multifunction tool that enables equipment operators to view many different engine or transmission parameters and service codes. The panels provide a window into modern electronic engines. The PowerView includes a graphical backlit LCD screen. It has excellent contrast and viewing from all angles. The display can show either a single parameter or a quadrant display for viewing four parameters simultaneously. Diagnostic capabilities include fault codes with text translation for the most common fault conditions.

Other components in the panels are microprocessor-based M-Link PowerView Analog Gages for displaying critical engine data broadcast by an electronic engine: engine RPM, oil pressure and coolant temperature. The ML150 Series panels are available in an enclosure or stand-alone flat panel option that can be dropped into a dash or console. This standard panel can be ordered with or without an enclosure. Optional mounting kits are offered for the enclosure, which provide packagers and operators numerous mounting solutions to meet multiple applications.



Features

- Standard Panel Designed for Modern Electronic Engines and Equipment Applications Using SAE J1939 Controller Area Network (CAN)
- PowerView Model 101 Displays More Than 30 Standard SAE J1939 Parameters Broadcast by Major Engine and Transmission Manufacturers' ECUs
- Display Active Faults and ECU-Stored Faults with Text Description on Most Common Faults for Diagnosing Equipment Malfunctions
- Standard Harnesses Available for Most Major Engine Manufacturers ECUs
- Enclosed Design or Flat Panel Option



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Specifications

Operating Voltage:

12/24 VDC (8-32VDC Minimum and Maximum Voltage)

Operating Current: 1.4A MAX

Mounting: 4-.75" Rubber Isolated Shockmounts

Starting Method: KeySwitch

Stopping Method: KeySwitch

Display: PowerView Model PV101-C

Indication Lamps: One red, One Amber via PV101-C Display

Enclosure Material: Powder-Coated Cold Rolled Steel

Wiring Interface: 1-Deutsch HDP 21pin Connector

Throttle Method:

Rocker Switch (Digital Inputs to ECU) or Hand Throttle (PWM or 0-5V)

TSC1 CAN Throttling (via PV101)

Tier 4 Regeneration:

CAN Enabled (via PV101) or Rocker Switch (via Digital Input to ECU)

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

Viewable Temperature: -29° to +185°F (-20° to +85°C)

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

Box Dimensions: 21.5 X 13.5 X 8.5 (546 X 343 X 216 mm)

Shipping Weight: 16.0 lbs (7.3 kg)

How to Order

Part Number	Model and Description	Notes
32700202	ML150-FP: PV101 Flat only, PTO Ramp throttle	Flat panel
32700203	ML150: PV101 Enclosed, PTO Ramp throttle	Enclosed panel
32700204	ML150-iT4-FP: PV101 Flat only w/ T4 switch, PTO Ramp iT4 Rocker throttle	Flat panel
32700205	ML150-iT4: PV101 Enclosed w/ iT4 switch, PTO Ramp iT4 Rocker throttle	Enclosed panel
32700216	ML150-ES-MT5V-FP: PV101 Flat only Stop Button, Morse 5V, PWM Morse & E-Stop throttle	Flat panel
32700217	ML150-ES-MT5V: PV101 Enclosed Stop Button, Morse 5V, PWM Morse & E-Stop throttle	Enclosed panel
32700206	ML150-iT4-ES-MT5V-FP: PV101 Flat only Stop Button, Morse 5V w/ iT4 switch, PWM Morse & E-Stop throttle	Flat panel
32700207	ML150-iT4-ES-MT5V: PV101 Enclosed Stop Button, Morse 5V w/ iT4 switch, PWM Morse & E-Stop throttle	Enclosed panel
32700218	ML150-ES-MTPWM-FP: PV101 Flat only Stop Button, Morse PWM, 0-5V Morse & E-Stop throttle	Flat panel
32700219	ML150-ES-MTPWM: PV101 Enclosed Stop Button, Morse PWM, 0-5V Morse & E-Stop throttle	Enclosed panel
32700208	ML150-iT4-ES-MTPWM-FP: PV101 Flat only Stop Button, Morse PWM w/ iT4 switch, 0-5V Morse & E-Stop throttle	Flat panel
32700209	ML150-iT4-ES-MTPWM: PV101 Enclosed Stop Button, Morse PWM w/ iT4 switch, 0-5V Morse & E-Stop throttle	Enclosed panel

SALES CONTACT



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