

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.

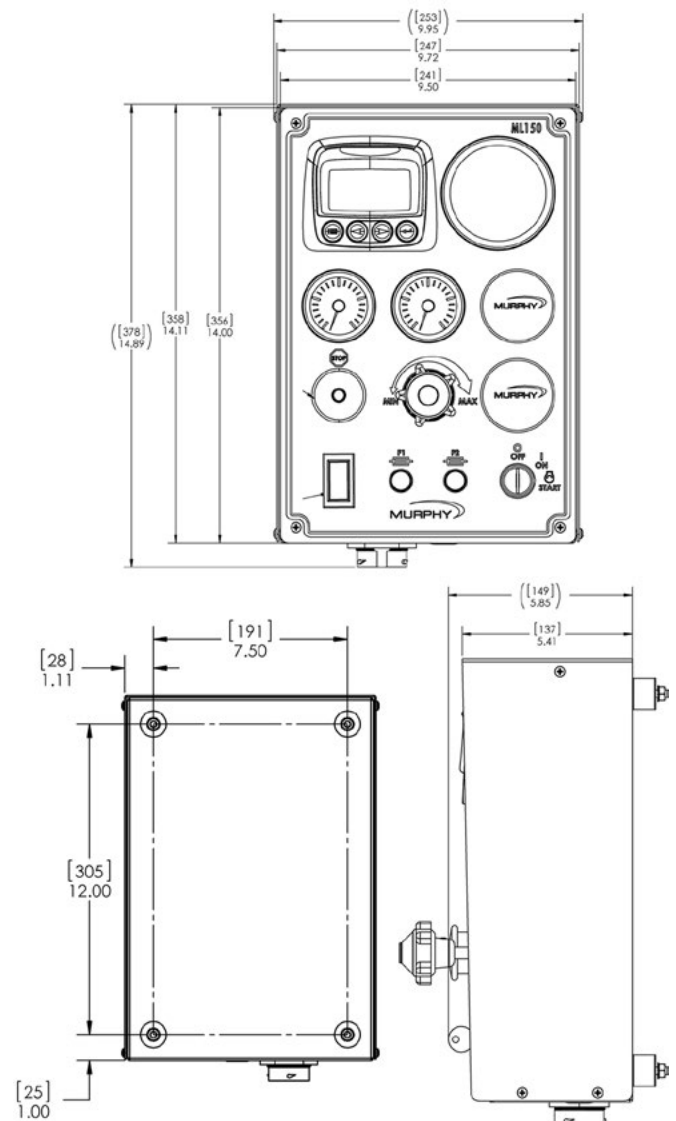
Other components in the panels are microprocessor-based M-Link PowerView Analog Gages for displaying critical engine data broadcast by an electronic engine: engine RPM, oil pressure and coolant temperature. The ML150 Series panels are available in an enclosure or stand-alone flat panel option that can 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



Dimensions



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