M Series Panels

MURPHY
reliable innovation

Advanced Control for Your Mechanical or Electronic Engines

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MSeries Panels with Auto or Manual Start/Stop For Mechanical or Electronic Engines

The MSeries panel line is designed for fast and easy installation. Each panel is available for most major electronic diesel engine brands and models that provide simple Plug and Go installation.

Manual Start/Stop Panel Line For *Electronic Engines*

M320

- PowerView™ display
- Analog gages (Oil Pressure, Engine Temperature, Voltmeter, Tachometer)
- Uses SAE J1939 controller area network
- Key switch
- Various throttle options* available (Increment/Decrement, Run/Idle, Variable, Morse, No throttle)
- Three fuses
- Indicator lights* (example: “Warning”, “Shutdown”, and “Wait to Start”, etc.)
- Deutsch connectors
- Shock mounts (included)
- Space for 3 additional gages
- Black powder-coated enclosure
- 11.38 x 15.13 x 5.125” (289 x 384 x 130mm)

M120

- PowerView display
- Uses SAE J1939 controller area network
- Key switch
- Increment/Decrement throttle switch
- Three fuses
- Deutsch connectors
- Shock mounts (included)
- Black powder-coated enclosure
- 11.38 x 7.38 x 5.125” (289 x 187 x 130mm)

Options

- Mounting kits (surface or recessed)
- Red emergency stop button
- Standard harnesses available for most major engine manufacturers ECU's: 6' (1.8 m) & 12' (3.6 m)
- Universal extension harness
- Enclosed or flat panel

* Throttle options and Indicator lights will vary depending on engine manufacturer

Auto Start/Stop Panel Line For

Mechanical or Electronic Engines

M 7 2 0

- eGuard™ controller
- Uses SAE J1939 controller area network when installed on electronic engines
- Key switch (manual-off-automatic)
- Increment/Decrement throttle switch (Manual mode)
- Three fuses
- Shock mounts (included)
- Space for 3 additional gages
- Black powder-coated enclosure
- 12’ (3.6m) I/O harness
- Deutsch connectors
- 11.38 x 15.13 x 5.125” (289 x 384 x 130mm)

M 6 2 0

- Cascade controller
- Uses SAE J1939 controller area network when installed on electronic engines
- Key switch (manual - off - automatic)
- Increment/Decrement throttle switch (Manual mode)
- Three fuses
- Shock mounts (included)
- Space for 3 PVA gages or Powerview. (Panel shown with optional PVA gages.)
- Black powder-coated enclosure
- 12’ (3.6m) I/O harness
- Deutsch connectors
- 11.38 x 15.13 x 5.125” (289 x 384 x 130mm)

M 5 2 0

- Cascade controller
- Uses SAE J1939 controller area network when installed on electronic engines
- Key switch (manual – off – automatic)
- Increment/Decrement throttle switch (Manual mode)
- Two fuses
- Shock mounts (included)
- Black powder-coated enclosure
- 12’ (3.6m) I/O harness
- Deutsch connectors
- 11.38 x 7.38 x 5.125” (289 x 187 x 130mm)

Options

- Mounting kits (surface or recessed)
- Red emergency-stop button
- Standard harnesses available for most major engine manufacturers ECU's: 6' (1.8 m) & 12' (3.6 m)
- Universal extension harness
- Mechanical engine harness

M Series Panel Components

PowerView™ Display

Developed to meet the needs for instrumentation and control on electronically controlled engines communicating using the SAE J1939 Controller Area Network (CAN). It enables equipment operators to view many different engine or transmission parameters and service codes. Diagnostic capabilities include fault codes with text translation for the most common fault conditions.

PowerView Analog Gages

The PowerView Analog Gages (PVA) are a series of intelligent gages designed to display easy-to-read information transmitted by the PowerView. The PVA gages communicate with the PowerView via a single RS485 twisted pair MODBUS, RTU serial link. The gages can be daisy-chained using quick-connect harnesses with watertight connectors.

Cascade

The Cascade auto-start controller is designed to fit any engine-driven application requiring a simple and robust automatic start and stop sequence. Whether you are running the traditional non-electronic engines or J1939 engines, the Cascade auto-start controller is fully compatible with all major engine types.

eGuard™ Controller

Designed to control today's electronic engines using J1939 and can easily control the traditional non-electronic engines. It can be configured to automatically or manually operate most types of applications, from a simple start/stop sequence to complex automatic throttling for maintaining constant pressure, flow or level by automatically increasing or decreasing engine speed.

MEH Harness Series for Electronic Engines

One Harness, Five Panel Options (Specific Harnesses are available for most major engine brands.)
Plug and Go Installation.

Optional Items

Panel Mounting Brackets: Recessed and Surface mounting kits.
Engine Harness Relays: 12 and 24 volt.

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