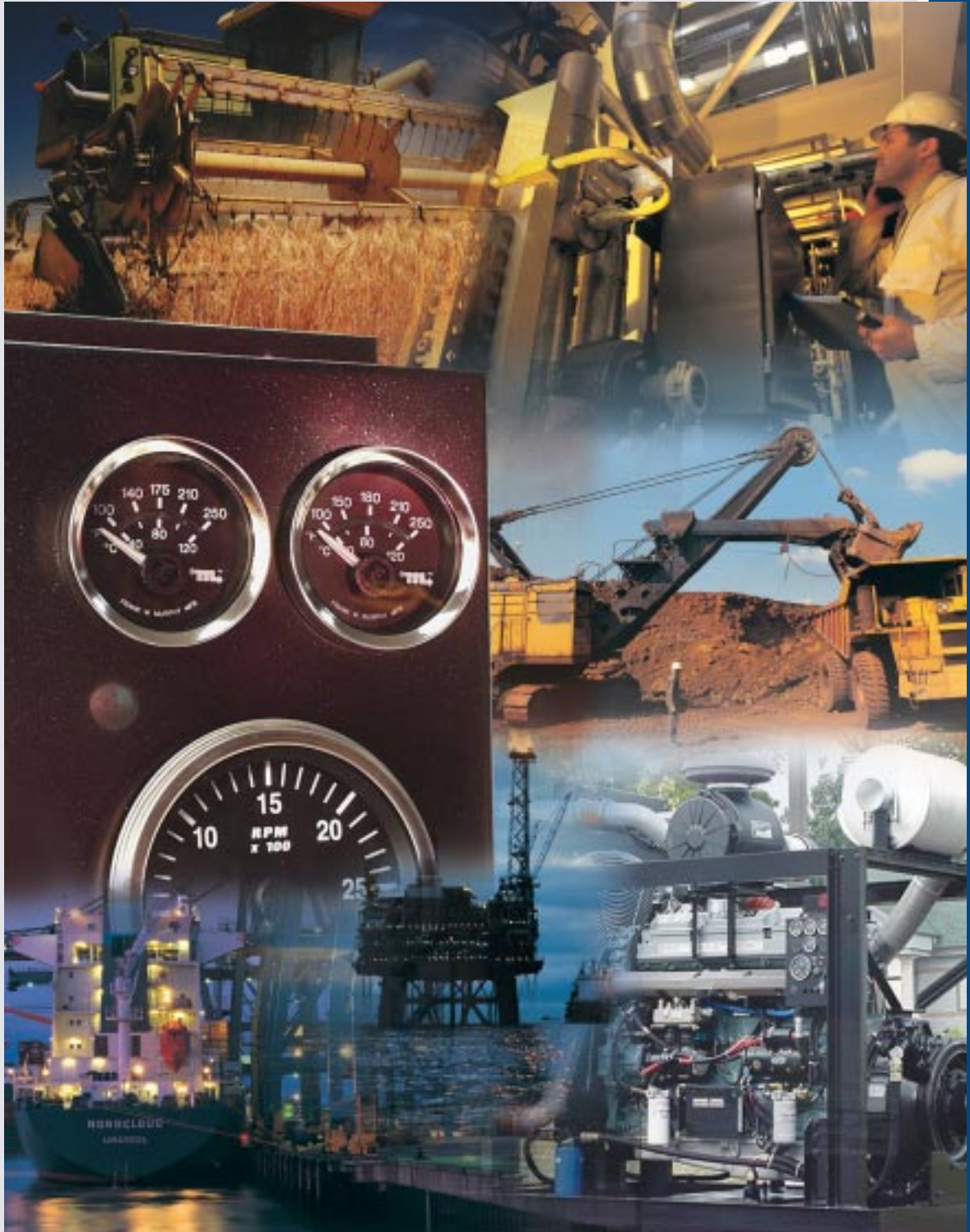


# MurphyLink™

“Plug and Go” Panels



**murphy**  
FWMurphy

MLP-02001H  
Effective 02-02  
Catalog Section 78  
(00-02-0495)

# MurphyLink™

## “ Plug and Go”

### Panel Solutions

FWMurphy offers fully integrated instrumentation solutions for communication using the SAE J1939 protocol broadcast by major engine and transmission manufacturers' electronic control modules (ECM). The MurphyLink™ System offers a simple solution for instrumentation needs on modern electronically controlled diesel engines.

Standard “Plug and Go” panels are now available for electronic versions of Caterpillar, Cummins, Detroit Diesel, Deutz, John Deere and Perkins engines. They are used in marine applications, pumps, compressors and a variety of other off-road and stationary construction and industrial equipment.

## Panel Features

### Murphy Display and Diagnostic Module (MDDM) J1939 System Monitor

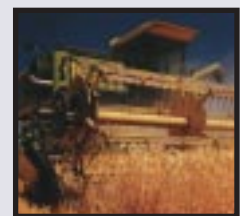
*Displays over 30 standard SAE J1939 parameters broadcast by major engine and transmission manufacturers' electronic control modules (ECM). Also displays active and ECM stored fault codes to assist in diagnosing equipment malfunctions. Following are some of the parameters available on the MDDM back lit LCD display (depending on engine manufacturer):*

- Engine Hours
- Oil Pressure
- Coolant Temperature
- System Voltage
- Engine RPM
- % Load at Current Speed
- Fuel Temperature
- Oil Temperature
- Fuel Pressure
- Engine Oil Level
- Coolant Level
- Fuel Rate
- Exhaust Gas Temperature
- Fault Codes



### “ Plug and Go” Harnesses Available

Why worry about your wiring when we can do it for you. Simply plug the harness into the panel and the ECM, and then wire to battery power – and your equipment is ready to go.



All company and product names mentioned may be trademarks or registered trademarks of their respective holders and are used for identification purposes only.

Standard configurations are available depending on engine manufacturer model and application requirements



## M200SERIES

"FLAT" Panel Solution

Includes Murphy Display and Diagnostic Module (MDDM) and MLink Tachometer, oil pressure, coolant temperature and voltage gages. Sturdy, black ABS plastic face plate.

- Panel mounted key and start switches
- Panel mounted back light dimmer pot
- Options for additional MLink analog gages
- Option for electric fuel level gage
- Option for diagnostic switch and lights
- Connector for quick "Plug and Go" installation

## M300SERIES

"WALL-MOUNTED" Panel Solution

Includes Murphy Display and Diagnostic Module (MDDM) and MLink™ Tachometer, oil pressure, coolant temperature and voltage gages. All within a metal enclosure.

- Diagnostic switch and lights
- Speed control options
- Key switch and fuses
- Service tool connection
- Shock mounts included
- Options for additional MLink™ analog gages
- Options for electric fuel level gage
- Connector for quick "Plug and Go" installation



MurphyLink™ offers custom designed panels configurable to meet specific needs



## M100SERIES

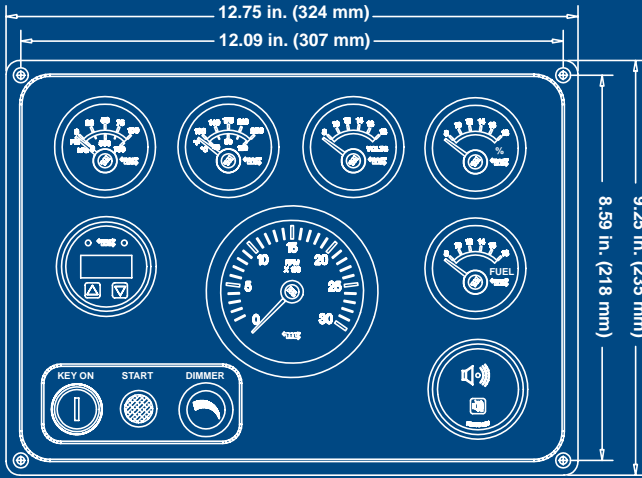
"FLAT" Panel Solutions

- Features Murphy Display and Diagnostic Module (MDDM)
- Sturdy, black ABS plastic face plate
- Speed-selectable using built-in toggle switch
- Fully compatible with MLink™ analog gages
- Connector for quick "Plug and Go" installation

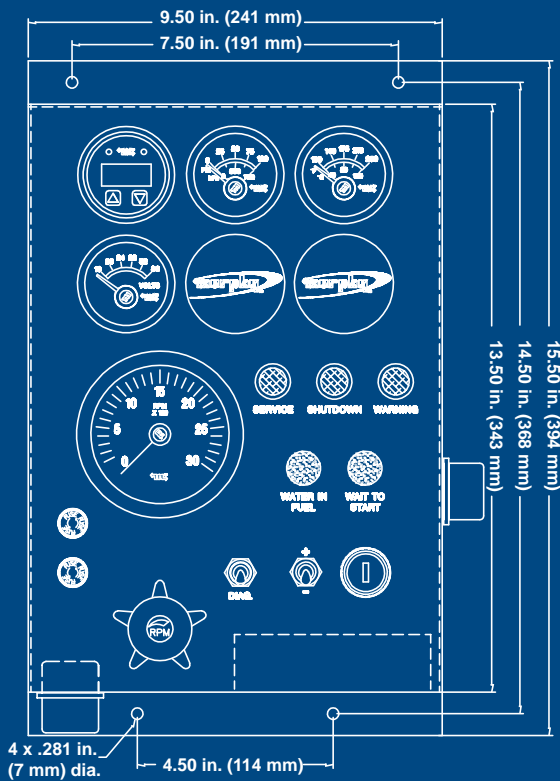


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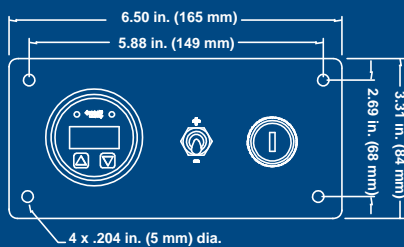
## M200SERIES



## M300SERIES



## M100SERIES



## MurphyLink™ System Features

- Transmits and receives data using SAE J1939 Controller Area Network Protocol
- Components mount in 2-1/16 in. (3-3/8 in. Tachometer) standard hole cutout
- 12 or 24 Volts DC Operation
- LED back lighting
- Proprietary RS485 Serial Communications link via twisted pair cable between Murphy Display and Diagnostic Module and MLink™ Analog Gages
- Environmentally sealed
- Meets SAE J1810
- Operating Temperature -40 to +85°C
- Storage Temperature -60 to +85°C
- Positive mechanical locking electrical connectors
- Lens — clear, UV stabilized polycarbonate

## Murphy Display and Diagnostic Module (MDDM) J1939 System Monitor

Displays over 30 standard SAE J1939 parameters broadcast by major engine and transmission manufacturers' electronic control modules (ECM). Also displays active and ECM stored fault codes to assist in diagnosing equipment malfunctions.

Following are some of the J1939 parameters available on the MDDM back lit LCD display:

- Engine Hours • Oil Pressure • Coolant Temperature
- System Voltage • Engine RPM
- % Load at Current Speed • Fuel Temperature
- Oil Temperature • Fuel Pressure • Engine Oil Level
- Coolant Level • Fuel Rate • Exhaust Gas Temperature • Fault Codes.

## MurphyLink™ Analog Gages

- Display critical data transmitted by the MDDM
- Microprocessor driven for high accuracy
- LED back lighting and illuminated pointer
- 100% environmentally sealed case
- Screw-on mounting clamp
- Push-on plug connection

## Available Gages

- Engine Oil Pressure
- Coolant Temperature
- Voltmeter
- Percent Load @Current RPM
- Transmission Oil Pressure
- Transmission Oil Temperature
- Tachometer
- Audible Alarm

ISO 9001  
Registered Firm



USA-ISO 9001 FM 28221  
UK-ISO 9002 FM 29422

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