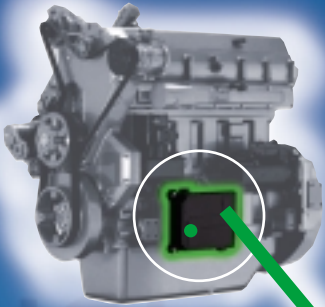


Information! Where and When You Want It!



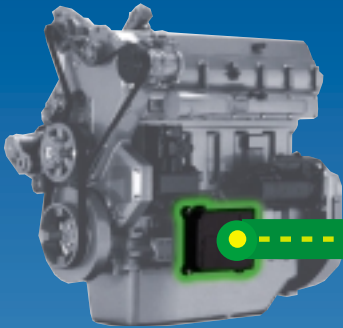
Your Instrumentation Equipment

J1939 MURPHYLINK™ System

The J1939 MurphyLink™ System is a low cost solution for your instrumentation needs on stationary or mobile equipment applications.

Solutions are available as components you can install on your equipment or as complete instrument panels – either Murphy Standard Panels that fit most applications – or custom panels that Murphy will build for your specific equipment needs.

Electronically Controlled Engine



Electronically Controlled Transmission



Other Electronically Controlled Components



Murphy Display and Diagnostic Module (MDDM)



Oil Pressure



Murphy Display and Diagnostic Module Key Features:

- Displays over 30 standard SAE J1939 parameters broadcast by major engine and transmission manufacturers' ECMs
- Displays active faults and ECM stored fault codes for diagnosing equipment malfunctions
- Re-broadcasts critical parameters to MLink™ Analog Gages

Typical Parameters Transmitted by Engine and Transmission ECU

- Engine Hours
- Oil Pressure
- Coolant Temperature
- Engine RPM
- Voltage
- Fuel Rate
- % Load at Current Speed
- Active Faults
- Stored Faults
- Transmission Pressures and Temperatures
- Transmission Gear Position

SAE J1939 Controller Area Network (CAN) Data Bus

Solutions For J1939 CAN Applications



Coolant Temperature



System Voltage

MLink™
RS485 Serial
Communications
Link



Tachometer

MLink™ Analog Gages

Key Features:

- Available as most popular gages such as Oil Pressure, Coolant Temperature, etc.
- Familiar analog pointer movement on gage face
- Microprocessor driven for high accuracy
- LED back lighting – no incandescent bulbs to burn out
- 100% environmentally sealed cases

Audible
Alarm



Complete Panel Solutions
Standard or Custom Designed



Standard Panel Configurations

Our Cost-Effective Solutions

Industrial and Marine Flat Panels



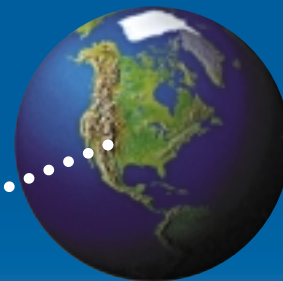
Heavy Duty
Industrial Panels



Communications

Custom Panels

Designed with J1939 MurphyLink™ system components configured to meet your specific needs and unique applications.



Microprocessor Controlled
Equipment Panel



In-Dash Instrumentation



Generator Control Panel

Murphy solutions are available to remotely communicate with your equipment to gather **critical information** – where and when it is needed. Murphy has developed sophisticated, yet economical, hardware, software, and internet systems giving you access to this information at your computer, pager, or cell phone.

These solutions are fully integrated with the MurphyLink® J1939 System.

Please call Murphy for additional details on our equipment information solutions.

Tel. (918) 627-3550 Fax (918) 664-6146



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USA-ISO 9001 FM 29221
UK-ISO 9002 FM 29422