

# Swichgage® Shutdown Panels for Mobile Equipment of All Kinds

## WAI Series

WAI Series Murphy panels offer engine protection for on- and off-road mobile equipment.

The panels provide accurate engine readings and time-delayed automatic shutdowns. Flashing light and mini-siren signal a warning before a shutdown. Alarm-only panels (without shut-down capabilities) are also available.

WAI panels are easy to install and function test without the need for expensive auxiliary equipment. Each is a cost-competitive and effective system for engine protection.

The WAI Series Panels are complete diagnostic, engine-protection systems. Any vehicle or engine can be monitored, and in case of potentially damaging conditions, an alarm will operate before the engine is shut down. WAI Panels feature direct reading, mechanical Swichgage instruments



**WAI-271**



**WAI-8**

(gauge and limit switch in one) and Selectronic relays and alarms. Swichgage instruments are internally lighted for night illumination. Applications include: trucks, buses,

fork lifts, loaders, earth-movers — any engine-powered mobile unit, such as delivery vans, farm and construction equipment and street sweepers.

## Models

**WAI-2:** Completely enclosed and convenient under-dash mounting provides Swichgage instruments for low oil pressure and high coolant temperature; visual and audible alarms before automatic shutdown. Includes a 270° pivoting, mounting bracket.

**WAI-3:** Same as WAI-2 panel with a third Swichgage instrument for block coolant pressure (0-15 psi)

**WAI-4:** Same as WAI-2 panel with a third Swichgage instrument for transmission temperature (140°- 300°F / 60°- 148°C)

**WAI-7:** Open style panel same as WAI-2

**WAI-8:** Open style panel provides Swichgage instruments for low oil pressure, coolant pressure and high coolant temperature; visual and audible alarms before automatic shutdown

**WAI-9:** Open style panel same as WAI-8 with transmission temperature Swichgage instrument instead of coolant pressure

**WAI-271:** Open style panel similar to WAI-7 but for alarm-only

**Warranty** — A limited warranty on materials and workmanship is given with this Murphy product. A copy of the warranty may be viewed or printed by going to [www.fwmurphy.com/support/warranty.htm](http://www.fwmurphy.com/support/warranty.htm)

## WAI-2

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- Enclosed Panel
- Oil Pressure Switchgauge instrument
- Coolant Temperature\* Switchgauge instrument
- Mini-siren
- FL3/TL2 flasher and light
- 760AF Magnetic Switch with 30-second time delay for alarm before shutdown; 12-VDC, (optional 24-V)



## WAI-3 / WAI-4

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- Enclosed Panels
- Oil Pressure Switchgauge instrument
- Coolant Temperature\* Switchgauge instrument
- Block Coolant Pressure\* Switchgauge instrument (WAI-3 only 0-15psi)
- Transmission Temp.\* Switchgauge instrument (WAI-4 only 140°-300°F / 60°- 148°C)
- Mini-siren
- FL3/TL2 flasher and light
- 760AF Magnetic Switch with 30 second time delay for alarm before shutdown; 12-VDC, (optional 24-V)



## WAI-7

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- Open Style Panel
- Oil Pressure Switchgauge instrument
- Coolant Temperature\* Switchgauge instrument
- Mini-siren
- TL7 Flasher Alarm Light
- 760AF Magnetic Switch with 30 second time delay for alarm before shutdown; 12-VDC, (optional 24-V)



## WAI-8 / WAI-9

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- Open Style Panel
- Oil Pressure Switchgauge instrument
- Coolant Pressure\* Switchgauge instrument (WAI-8 only 0-15psi)
- Transmission Temp.\* Switchgauge instrument (WAI-9 only 140°-300°F / 60°- 148°C)
- Coolant Temperature\* Switchgauge instrument
- Mini-siren
- TL7 Flasher Alarm Light
- 760AF Magnetic Switch with 30 second time delay for alarm before shutdown; 12-VDC, (optional 24-V)



## WAI-271

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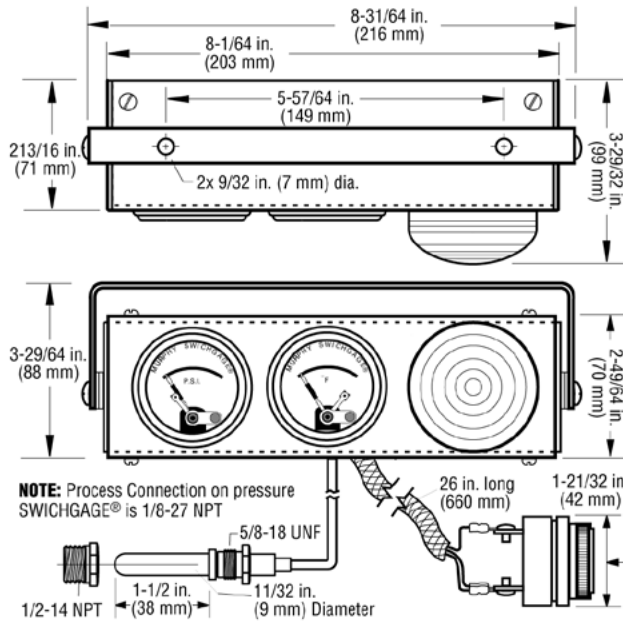
- Alarm-Only, Open Style Panel
- Oil Pressure Switchgauge instrument
- Coolant Temperature\* Switchgauge instrument
- Mini-siren
- TL7 Flasher Alarm Light
- Available for 12-VDC or 24-VDC



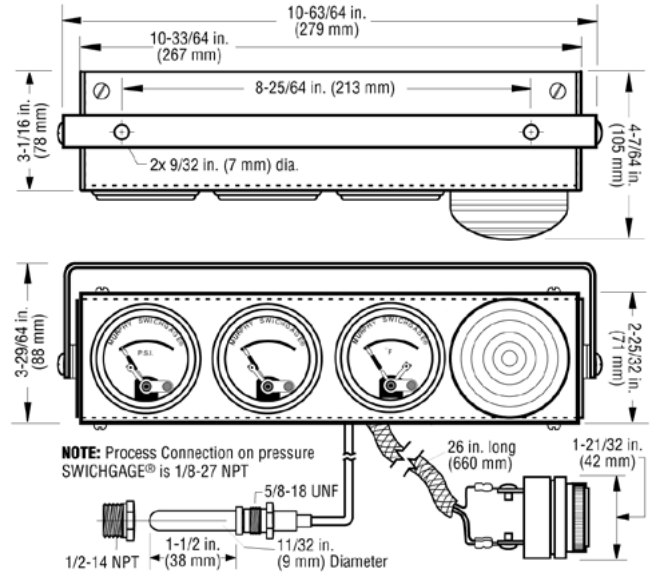
\* Temperature capillary length is standard 6 ft. (1.8 m). Specify longer lengths.

# Dimensions

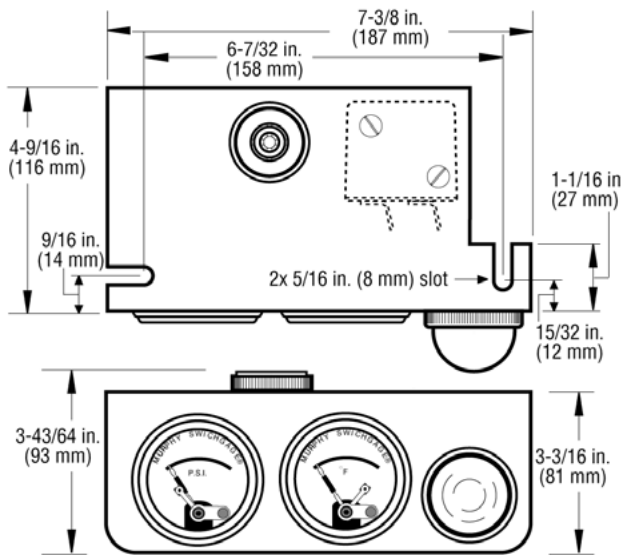
## WAI-2



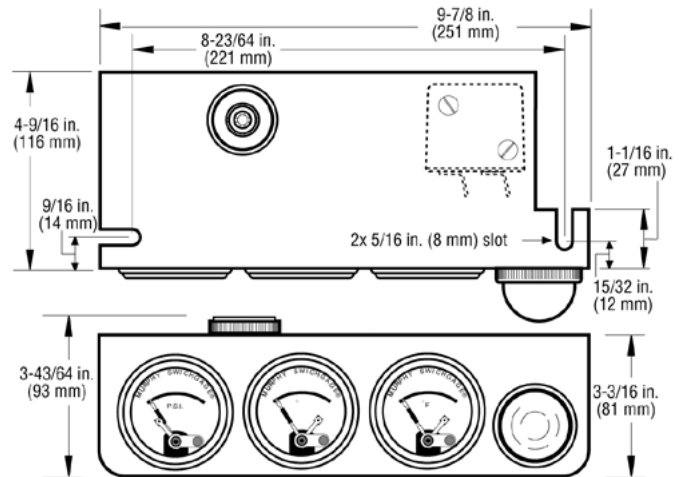
## WAI-3 / WAI-4



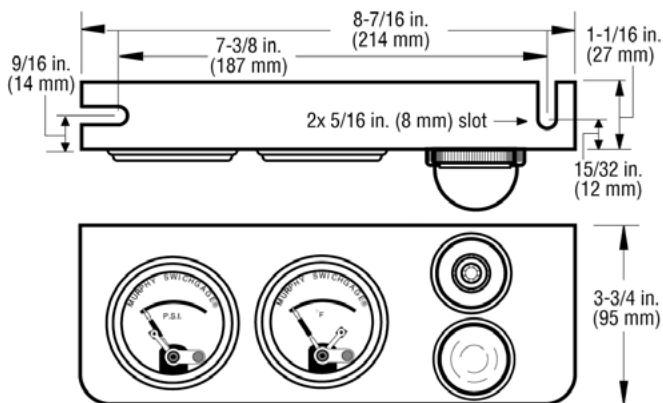
## WAI-7



## WAI-8 / WAI-9



## WAI-271



# Standard Panel Assemblies and Kits Reference Guide

Options like 24 VDC, special capillary length, delay time, etc, can be specified.

	WAI2	WAI3	WAI4	WAI7	WAI8	WAI9
Enclosed, easy-mount panel	✓	✓	✓			
Open, easy-mount panel				✓	✓	✓
201P-1-75 Engine oil pressure SWICHGAGE®	✓	✓	✓	✓	✓	✓
202T-1-220 Engine coolant temperature SWICHGAGE® (6 ft. [1.83 m] capillary)	✓	✓	✓	✓	✓	✓
202P-1-15 Engine coolant pressure SWICHGAGE®		✓			✓	
203T-1-300 Transmission temperature SWICHGAGE® (6 ft. [1.83 m]) warning-only			✓			✓
760AF SELECTRONIC® relay (30 second time delay, 12V)	✓	✓	✓	✓	✓	✓
TL7 SELECTRONIC® flashing alarm (12V, negative ground)				✓	✓	✓
TL2 and FL3 alarm light	✓	✓	✓			
SAH MINI-SIREN®	✓	✓	✓	✓	✓	✓
Diode 65010098, isolates transmission temperature for warning-only			✓			✓

## How to Order

Part Number	Model Number	Notes
Use Model Number for Ordering	WAI-2	
	WAI-3	
	WAI-4	
	WAI -7	
	WAI-8	
	WAI-9	
	WAI-271	