

# SWICHGAGE® Shutdown Panels for High Plains and Other Irrigation Engines

WHB-03062B  
Revised 08-03  
Catalog Section 30  
(00-02-0543)

**FWMurphy**



## WHB Series

- Ideal for High Plains Irrigation Engines
- Mounts Directly to Engine Flywheel Housing
- SWICHGAGE® Instruments for Low Oil Pressure, High Coolant Temperature and Ammeter
- Provision for Additional Instruments

### Description

The **WHB Series** open type panels are the industry standard for High Plains irrigation engines. These panels bolt directly to the engine flywheel housing. They include SWICHGAGE® protection for low engine oil pressure and high coolant or high oil temperature, and have provision to add an additional SWICHGAGE® such as pump discharge pressure, voltage regulator, throttle cable, and start button or switch.

For diesel engines without shut-down solenoid in the injection pump, add a Murphy SV Series solenoid fuel shut-off valve or RP2300 series rack puller solenoid (for details see FWMurphy bulletins SV-99026B and RP-95028B).

**SWICHGAGE® is two-instruments-in-one:** (1) an accurate indicating gage with (2) a built-in, adjustable limit switch.

### Panel Kits Include:

- Low Lube Oil Pressure SWICHGAGE®
- High Coolant/ Temperature SWICHGAGE®
- 117PH Magnetic Switch.
- PB128S Emergency Stop Push Button.
- Ammeter 60-0-60.
- Provisions for additional SWICHGAGE® controls, such as irrigation pump pressure or engine oil temperature.

### Specifications

#### Low Lube Oil Pressure SWICHGAGE®:

- 0-100 psi (0-689 kPa) [0-6.89 bar]
- 1/8 NPT process connection

#### High Coolant/Oil Temperature SWICHGAGE®:

- 130-250°F (54-121°C)
- 48 in. (1.2 m) capillary
- 1/2 NPT process connection

#### 117PH

**Ammeter:** 60-0-60

**Shipping Weight:** 8 lbs. 8 ozs. (3.9 kgs.)

#### Shipping Dimensions:

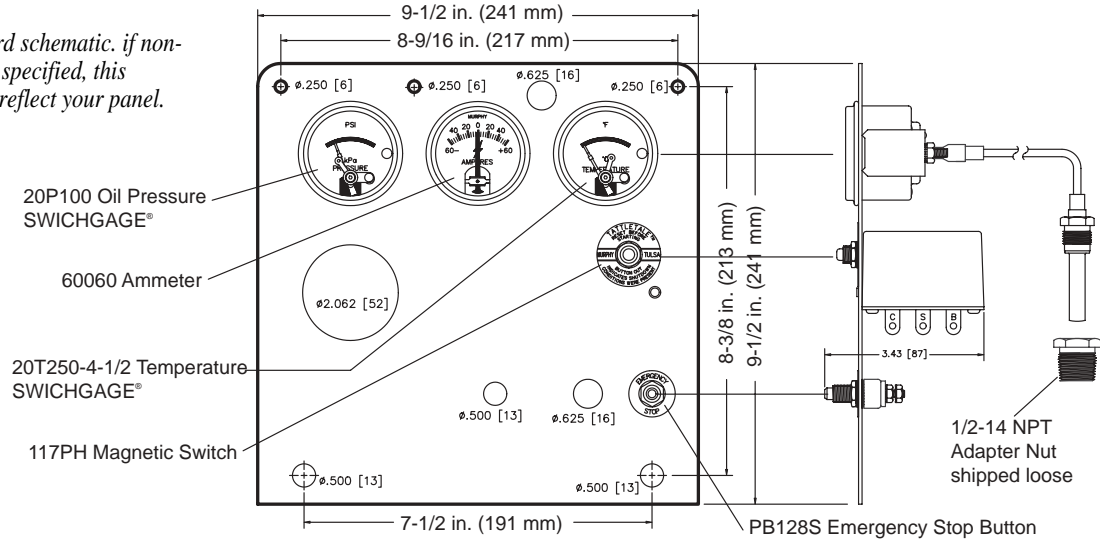
9.5 x 9 x 5 in. (241 x 229 x 127 mm)

### Warranty

A two-year warranty on materials and workmanship is given with this FWMurphy product. A copy of the warranty may be viewed or printed by going to [www.fwmurphy.com/warranty.asp](http://www.fwmurphy.com/warranty.asp).

## Dimensions

*NOTE: This is an standard schematic. if non-standard components are specified, this schematic may not exactly reflect your panel.*



## How to Order

### NOTES:

- \* = Standard Component or Range and is not required for ordering, see section notes if section has two parts to specify.
- If requirements are outside of the matrix, order panel with free formed text and use the '3050xxxx' product number of the base model.

### ADAPTER NUTS (as necessary)

1/8 = 1/8-27 NPT	1/2K = 1/2 NPSF	M14 = 14mm x 1.5
1/4 = 1/4-18 NPT	5/8 = 5/8-18 UNF	M16 = 16mm x 1.5
3/8 = 3/8-18 NPT	3/4 = 3/4-14 NPT	M18 = 18mm x 1.5
3/8B = 3/8-19 BSPT	3/4U = 3/4-16 UNF	M20 = 20mm x 1.5
3/8K = 3/8 NPSF	7/8 = 7/8-9 UNC	M22 = 22mm x 1.5
<b>*1/2 = 1/2-14 NPT</b>	M10 = 10mm x 1.5	M24 = 24mm x 1.5
1/2B = 1/2 BSPT	M12 = 12mm x 1.5	

**WHB**

### PRESSURE

#### RANGES

A = 75psi  
**\*B = 100psi**  
 C = 150psi

### 2nd HOLE

**\*D = 60060Ammeter**  
 E = VM12  
 F = VM24  
 G = Hourmeter

### TEMPERATURE

#### RANGES

#### CAPILLARY

H = 220°    **\*4 = 4 ft.**    12 = 12ft.    20 = 20ft.  
**\*J = 250°**    6 = 6 ft.    14 = 14ft.  
 K = 300°    8 = 8 ft.    16 = 16ft.  
 L = 320°    10 = 10 ft.    18 = 18ft.

**NOTE:** Specify length with range no dash. Both parts must be standard to leave blank, otherwise specify both parts.

### MAGNETIC SWITCHES

**\*AA = 117PH**  
 BB = 518PH-12  
 CC = 518PH-24  
 DD = 518APH-12  
 EE = 518APH-24

### OPTIONAL 4th 2" HOLE

#### PRESSURE or TEMPERATURE

#### RANGES

#### RANGES

#### CAPILLARY

#### or OTHER

#### OPTIONS

M = 75psi	T = 220°	4 = 4ft.	14 = 14ft	X = VM12 Voltmeter
N = 150psi	U = 250°	6 = 6ft.	16 = 16ft.	Y = VM24 Voltmeter
P = 300psi	W = 300°	8 = 8ft.	18 = 18ft.	Z = Hourmeter
R = 20V-20		10 = 10ft	20 = 20ft.	
S = 20V-30		12 = 12ft.		

**NOTE:** Specify length with range no dash. Both parts must be standard to leave blank, otherwise specify both parts.