SWICHGAGE® Shutdown Panels for Irrigation Engines and Pumps

MURPHY

75160 Series

- ■ Ideal for Irrigation Engines
- ■ Includes Loss of Pump Discharge Pressure and High Coolant Temperature SWICHGAGE® Instruments
- ■ Model With Solenoid Fuel Shutoff Valve

Description

The 75160 series:

This SWICHGAGE® panel is specifically configured for irrigation engines and includes loss of pump discharge pressure SWICHGAGE®. The panel is enclosed on top, bottom, and both ends. Mounting flanges extend on top and bottom. The back of the panel is open. Access holes are in the bottom.

75160: includes low oil pressure, high coolant temperature, low pump pressure SWICH-GAGE® instruments, Magnetic Switch, and emergency stop button.

75160D: includes SV-series solenoid diesel fuel valve (specify voltage).

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 pull solenoid.

Panel Kits Include:

- • Low Lube Oil Pressure SWICHGAGE®.
- • High Coolant/ Temperature SWICHGAGE®.
- • 518PH Magnetic Switch.
- • SV Series Solenoid Fuel Shutoff Valve.
- • PB128S Emergency stop push button.

Specifications

Low Lube Oil Pressure SWICHGAGE®:
- • 0-100 psi (0-689 kPa) [0-6.89 bar]
- • 1/8 NPT process connection

Low Pump Pressure SWICHGAGE®:
- • 0-150 psi (1.03 MPa) [10.34 bar]
- • 1/8 NPT process connection

High Coolant SWICHGAGE®:
- • 130-250°F (54-121°C)
- • 48 in. (1.2 m) capillary
- • 1/2 NPT process connection

518PH Magnetic Switch:
12 or 24 volt (specify)

SV Series Solenoid Fuel Shutoff Valve:
12 or 24 volt (specify)

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

Shipping Dimensions:
15.5 x 16 x 10.5 in. (394 x 406 x 267 mm).

Warranty

A limited warranty on materials and workmanship is given with this FW Murphy product. A copy of the warranty may be viewed or printed by going to www.fwmurphy.com/support/warranty.htm

Dimensions (all Models)

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

12 in. (305 mm)
10.130 in. (257 mm)
5-1/2 in. (140 mm)
4-5/8 in. (117 mm)
518PH-12 Magnetic Switch
1/2-14 NPT Adapter Nut shipped loose
4X ⌀.39 [10]
PB128S Emergency Stop Push Button
20P-F-100 Oil Pressure
20PW7-F-150 Pump Pressure
20T-F-250 Water Temp.

MURPHY®
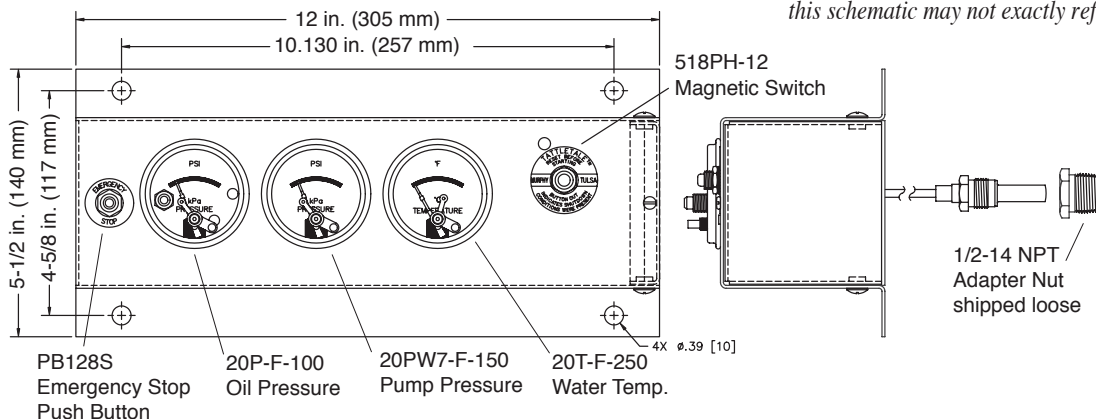
How to Order

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

75160
75160D
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PUMP PRESSURE
RANGES
A = 75psi
*B = 150psi
C = 300psi

OIL PRESSURE
RANGES
D = 75psi
E = 100psi
F = 150psi

TEMPERATURE

RANGES	CAPILLARY		
G = 220°	***4 = 4ft.**	10 = 10ft.	16 = 16ft.
*H= 250•	6 = 6ft.	12 = 12ft.	18 = 18ft.
J = 300°	8 = 8ft.	14 = 14ft.	20 = 20ft.

K = 20TH-320° **NOTE**: <u>20TH ONLY</u>, M10 adapter (std.)
maximum capillary 16 ft.
NOTE: specify length with range-no dash. Both parts must be standard to leave blank, otherwise specify both parts. **Example: H6**

ADAPTER NUTS

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

MAGNETIC SWITCHES

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*N=518PH-12
 P=518PH-24
 R=MS2120
 S=518APH-12
 T=518APH-24
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Printed in U.S.A.