

# Installation Instructions for Transmission/Gear Pressure SWICHGAGE®

TP-8318N  
Revised 05-99  
Section 05  
(00-02-0164)

Please read the following information before installing. A visual inspection of this product for damage during shipping is recommended before mounting.

## WARNING

BEFORE BEGINNING INSTALLATION OF THIS MURPHY PRODUCT

- ✓ Disconnect all electrical power to the machine.
- ✓ Make sure the machine cannot operate during installation.
- ✓ Follow all safety warnings of the machine manufacturer.
- ✓ Read and follow all installation instructions.

**CAUTION:** Certain dangers to human safety and to equipment may occur if some equipment is stopped without pre-warning. It is recommended that monitored functions be limited to alarm-only or to alarm before shutdown.

## Base Model Description

20P, 25P, A20P and A25P SWICHGAGE®

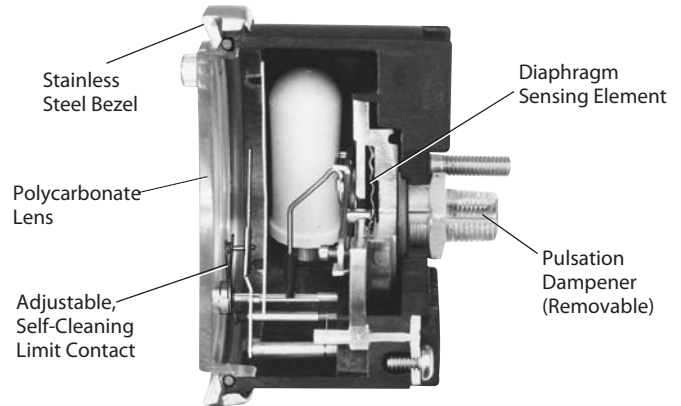
The gage pointer makes with an adjustable contact to complete a pilot-duty circuit.

20PE, 25PE, A20PE and A25PE SWICHGAGE®

Features internal snap-acting SPDT switches, instead of the single pole/pointer contacts. When the switch closes on falling pressure, it becomes Set, as pressure rises the switch Resets.

20PABS, 25PABS, A20PABS and A25PABS SWICHGAGE®

Same as 20P, 25P, A20P and A25P with internal SPDT snap-switch for pre-alarm.



## Specifications

**Case Material:** 20P and 25P Series: *Plated steel.*

A20P and A25P Series: *Polycarbonate.*

**Pressure Connection:** 1/8-27 NPT.

**Contact Rating:** Standard is 2A @ 30 VAC/DC resistive (pilot-duty only).

Models 20PE, A20PE, 25PE and A25PE have non-adjustable snap-switch rated 3A @ 30 VDC inductive, 4A @ 125 VAC inductive.

## 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](http://www.fwmurphy.com/support/warranty.htm)

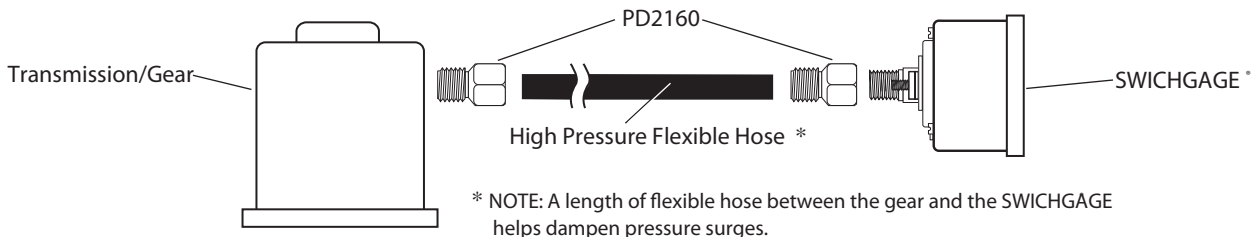
## IMPORTANT Installation Recommendations

**SWICHGAGE® Used On Transmission/Clutch Oil Pressure**

1. Install the SWICHGAGE® using a Murphy pulsation snubber PD2160 in the pressure connection at the transmission or gear and at the SWICHGAGE®. The snubber helps reduce pressure spikes/surges which will damage the gage sensing element. It also stabilizes the gage readout

through all operating cycles. **Failure to isolate gage in this manner will void Murphy warranty and possibly cause equipment damage.**

2. Models with pre-alarm have two switch points and when used with Murphy SS300 speed switch—allows changing between high and low switch points according to engine RPM. This configuration does away with nuisance alarms when shifting or when at idle—yet maintains maximum pressure protection. See Murphy Application Tip AT-01 for further details.



**RJ Mann & Associates Inc.**  
*Engine Controls & Panels/Compressor Parts*  
860 North 9th Avenue, Brighton, CO 80603  
Ph: (303) 659-5139 Fax: (303) 659-5309  
[www.rjmann.com](http://www.rjmann.com)

