

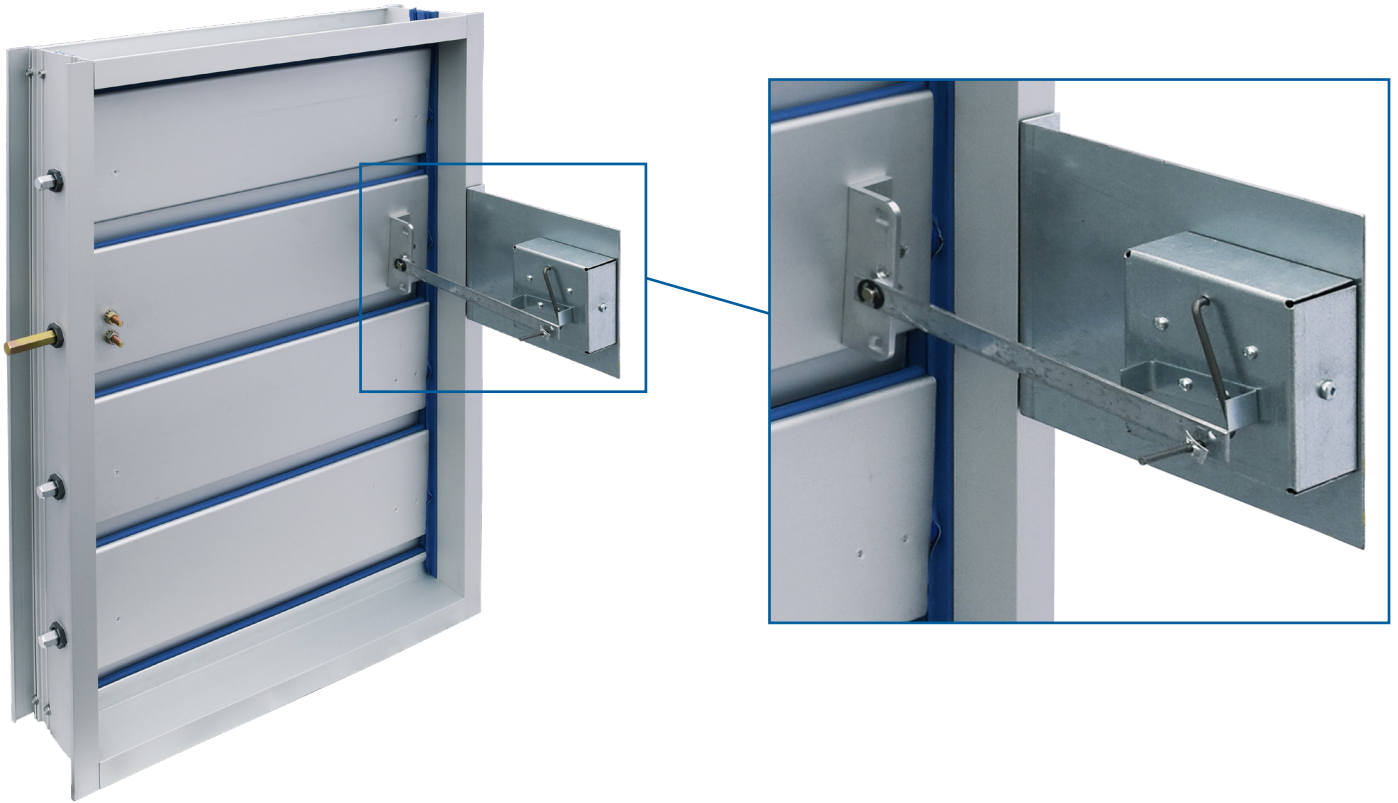
# BLADE POSITION INDICATOR

engineering data  
and specifications



## TAMCO BLADE POSITION INDICATOR

For Series 1000, 1000 FB, 1500, 1500 FB, 8800, 9000, 9000 FB, 9000 BF



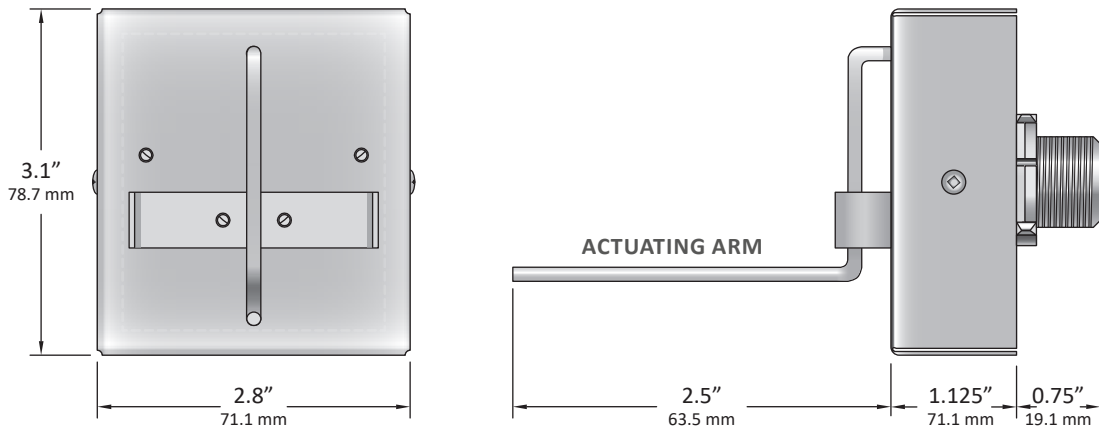
### APPLICATIONS

- For use with Series: 1000, 1000 FB, 1500, 1500 FB, 8800, 9000, 9000 FB, 9000 BF.
- The TAMCO Blade Position Indicator, when used with a TAMCO air control damper, provides a direct mechanical connection from the damper blade to a switching package, indicating when the damper is in the fully open or fully closed position.

### FEATURES

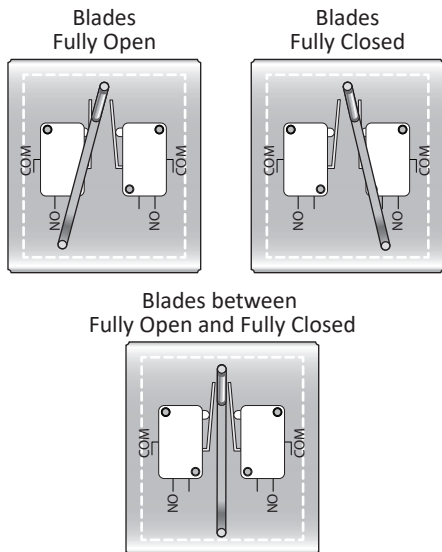
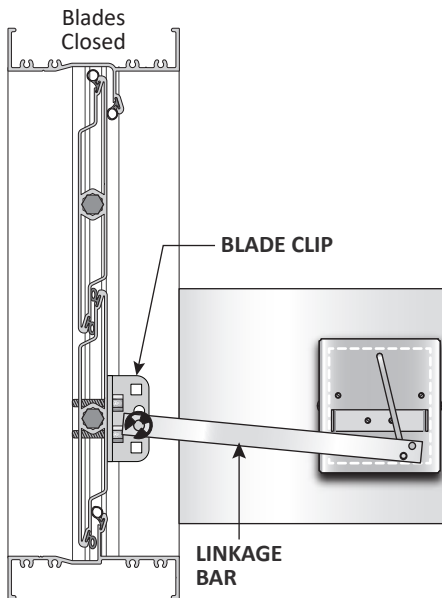
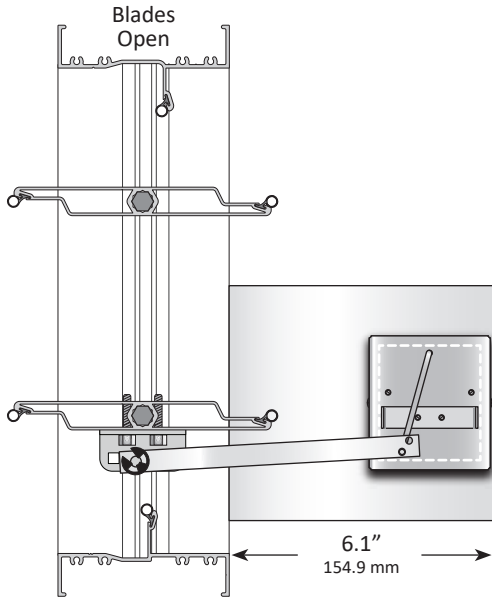
- Employs a frame-mounted assembly that houses two single-pole, double-throw micro switches, which are mechanically connected to a damper blade, thereby providing positive position status.
- The Blade Position Indicator (*Part # AL-1000*) can be ordered as a factory-installed accessory or separately for field-installation.

### DIMENSIONS



## SUBMITTAL DATA | Blade Position Indicator

For Series 1000, 1000 FB, 1500, 1500 FB, 8800, 9000, 9000 FB, 9000 BF

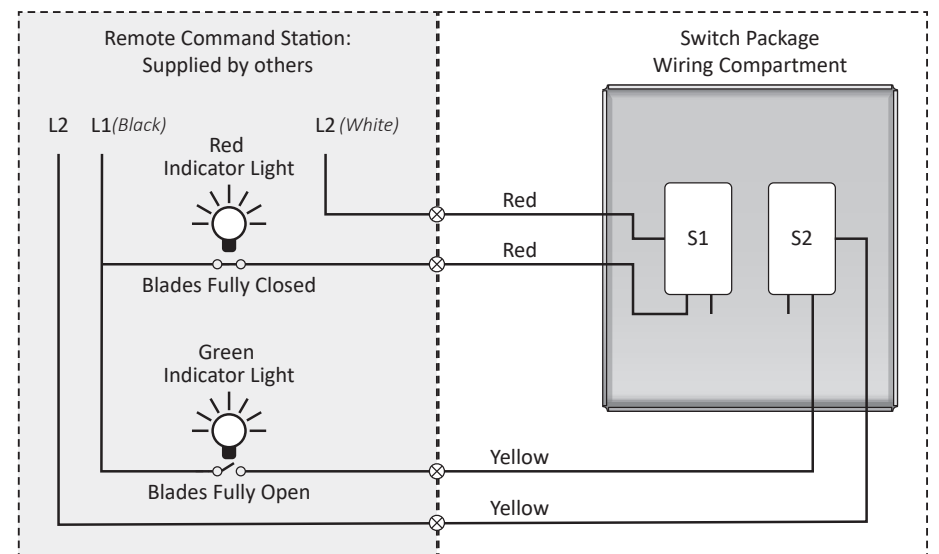


1. Signal verification occurs when the switch is connected, either via continuity or an electrical voltage to a lamp indicator. The wires are connected to the Normally Open terminal of the switch. When the damper blade reaches its intended position, the switch closes, completing the circuit and allowing electrical flow.
2. Employs a frame-mounted assembly, housing two single pole, double throw micro switches that are mechanically connected to a damper blade for positive status indication.
3. May be ordered as a factory-installed accessory or separately for field-installation.
4. Switches are UL/ULC recognized for 15A at ½ HP, 125-250 vac, and 0.6A at 125 vdc.
5. Rated for operation in temperatures ranging from -25 °C (13 °F) to 80 °C (175 °F).
6. The installer must verify the continuity of the yellow and red wires before connecting to a wiring source to ensure proper signal will be received when the damper is opened or closed.
7. If the damper is not fully open or fully closed, there will be no electrical continuity to either of the two switches.
8. There will only be continuity to one switch when the damper is in the full open or full closed position. There will never be electrical continuity to both switches simultaneously.
9. If the Blade Position Indicator is ordered after damper has been shipped from the factory, mounting holes will not be pre-drilled in the damper frame and blade. (Refer to TAMCO Blade Position Indicator Field-Installation Guidelines to determine location of mounting holes.)

### CONSTRUCTION:

10. Blade clip is constructed of 6063-T5 extruded aluminum and is bolted directly to the damper blade.
11. One end of the metal linkage bar is attached to the blade clip using a 1/4" (6.4 mm) steel pivot post. The other end is connected to the actuating arm and retained with locking clips.
12. The 1/8" (3.2mm) diameter actuating arm rotates between internal switches to make a closed connection to indicate the predetermined blade position, either Fully Open or Fully Closed.

### WIRING DETAIL:



L1, L2 is a supply voltage compatible with lights and switches.  
Standard voltage is same as actuator ordered.

# BLADE POSITION INDICATOR

ENGINEERING DATA AND SPECIFICATIONS

FOR ADDITIONAL INFORMATION REFER TO:



**BPI INSTALLATION GUIDELINES**  
UNDER THE DOCUMENTS TAB

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TA-BPI-TECH-24 | ISSUED 01/2024  
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