

# IMPLEMENTATION OF THE POSITION FEEDBACK FOR TWO-POSITION AIR ACTUATORS (PFAF)

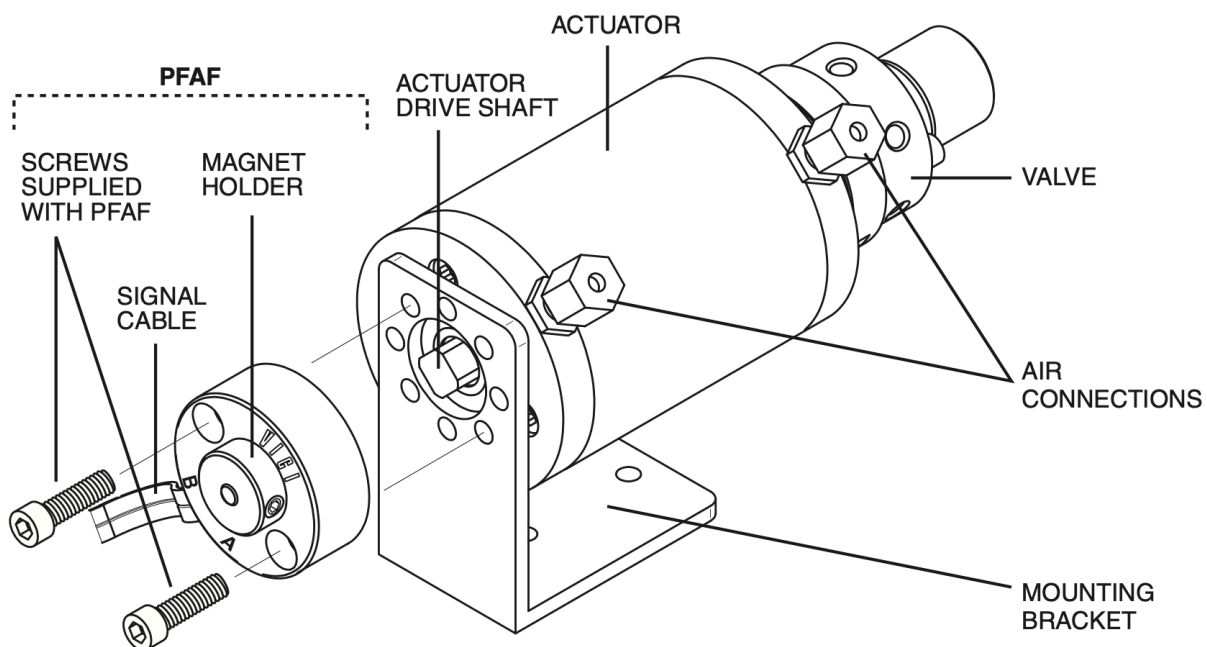
## Technical Note 419

The PFAF can be installed on any VICI two position air actuator (30° - 90°). In each position, the PFAF offers a permanent contact closure for TTL logic signals. The low mass of the magnet holder (shown in the illustration below) allows use of the PFAF even in high speed switching applications (< 50 ms).

### INSTALLATION

The PFAF is mounted at the rear of the actuator, oriented with the signal cable opposite the actuator's air connections, as shown below.

1. Remove the two socket head screws holding the actuator to the mounting bracket.
2. Slide the PFAF onto the actuator drive shaft, and use the screws provided with the PFAF to attach it to the actuator.

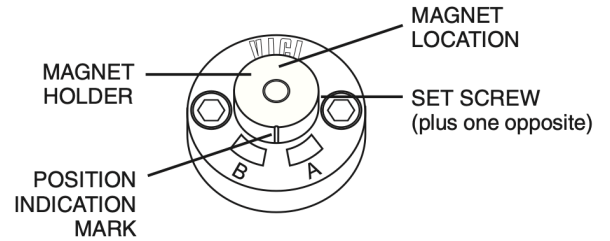


## ADJUSTMENT

The PFAF is factory preset for symmetrical operation, but can be readjusted if required.

### To readjust:

1. Loosen the two set screws in the magnet holder so that it rotates freely.
2. Line up the mark on the magnet holder to correspond with the position of the valve.
3. Tighten one set screw slightly.
4. Switch the valve to the opposite position, observing the movement of the position indication mark on the magnet holder.
5. If the mark moves symmetrically on either side of the midpoint, tighten both set screws. If not, adjust as required.



## POWER SPECIFICATIONS

Maximum voltage:	48 VAC/VDC
Maximum amperage:	0.1A
Maximum power:	5 W

## SIGNALS

