**Damper Actuator**

For Commercial Two-Stage Burners

**Adjustment Instructions**

The **Disengaging Pin** allows the Damper and Cam Stack to be rotated by hand.

*The Disengaging Pin must be out when the burner is operating.*

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**Adjustment Instructions Printed on Cover**

1. Adjust red cam for desired high fire setting.
2. Switch burner to high fire.
3. Adjust for desired combustion setting.
4. Set blue cam to desired low fire setting.
5. Switch burner to low fire.
6. Adjust for desired combustion setting.
7. Use small screwdriver to place orange cam halfway between high and low fire setting.

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**Adjustment Wrench**

**Cam Stack**

**Disengaging Pin in the Engaged Position**

**Damper Position Indicator** (Black mark on white ring)

**Damper Position Scale**

**Red High Fire Cam with White adjustment Scale**

**Blue Low Fire Cam with White adjustment scale**

**Transition Cam shares Adjustment scale**
Setting the High Fire Air and Low Fire Air

An old air setting specification of 7 is equal to 70° on the damper position scale of this new damper actuator. If adjusting the air settings while the burner is operating, it is necessary to cycle the burner from High to Low Fire or Low to High by using the lighted low fire hold switch.

Setting the Transition

The ORANGE CAM sets the transition point between Low Fire Oil and High Fire Oil. It should be set halfway between the settings of the RED Cam and the BLUE Cam.

After you complete your adjustments make certain the disengaging pin has been reengaged with the damper position set between the high fire and low fire limits. Replace the actuator cover, making sure it is correctly seated, and test the burner for proper firing at low fire, high fire and in transition between low and high.