

**THIS QUICK TUTORIAL
WILL GUIDE YOU
THROUGH THE STEPS
ON ADJUSTING THE
DAMPER ACTUATOR
FOR COMMERCIAL
TWO-STAGE BURNERS**

LOCATING INITIAL START UP AIR SETTINGS

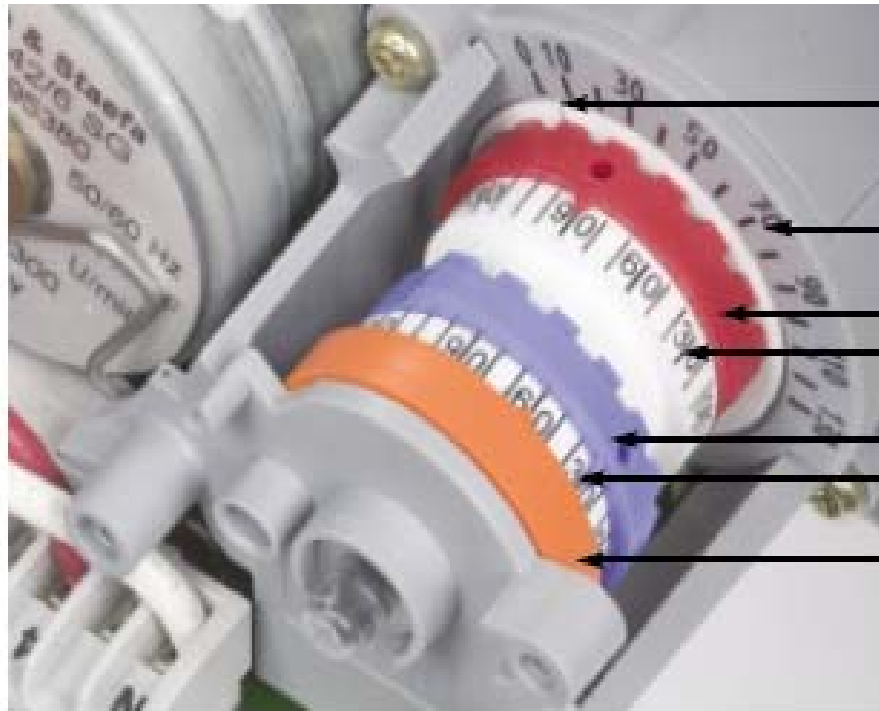
For factory pre set burners the initial air adjustments have already been made and are printed on the manufacturers label. For all other applications please refer to the table in the burner manual supplied with the burner or in the Beckett OEM guide for the initial air settings.



BEGIN BY REMOVING THE COVER SCREW



REMOVE THE COVER



Damper Position Indicator
(Black mark on white ring)

Damper Position Scale

Red High Fire Cam with
White adjustment Scale

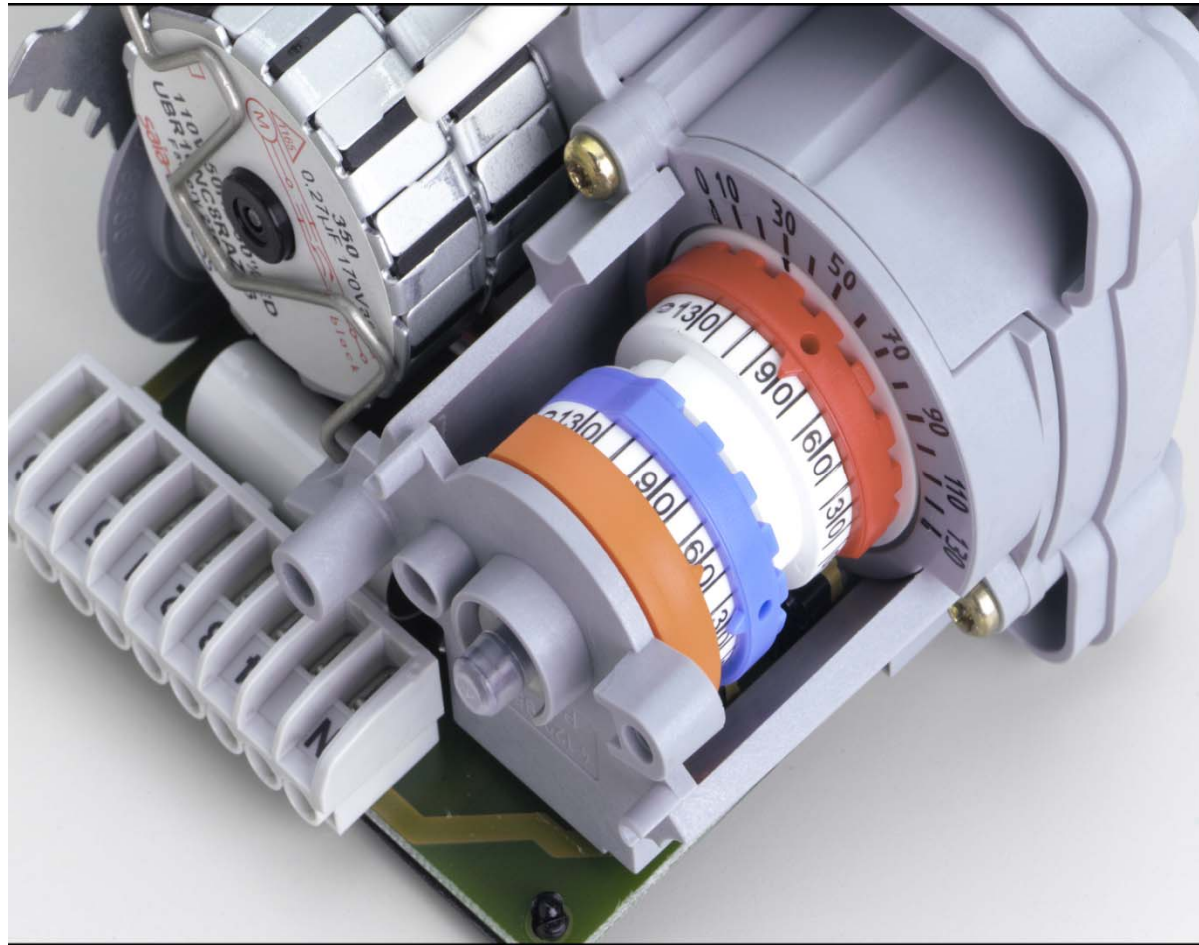
Blue Low Fire Cam with
White adjustment scale

Transition Cam shares
Adjustment scale

IDENTIFY THE ADJUSTMENTS ON THE MOTOR



Push in on pin to disengage the motor from the damper shaft and cam stack.



Rotate the damper shaft by hand to place the adjustment cams in a position where their adjustment scale can be easily seen. Release pin to secure the damper shaft and cam stack to the motor.



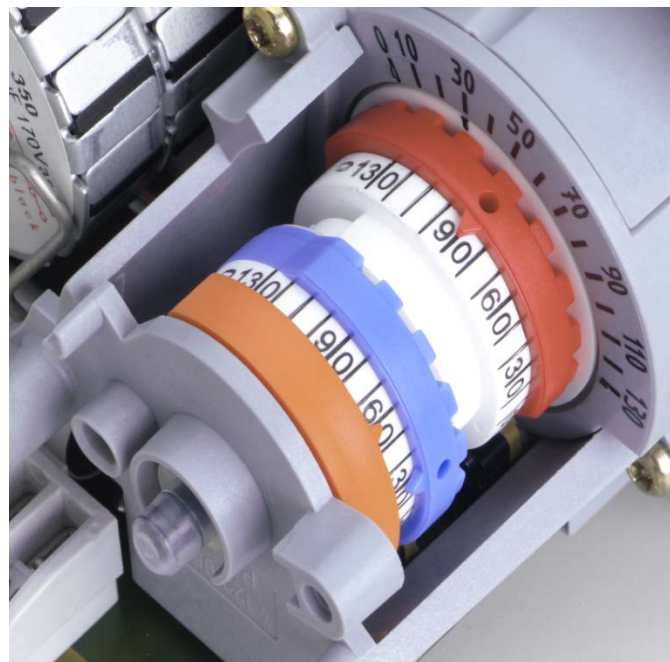
Using the wrench supplied with the damper motor, adjust the blue low fire cam to the initial setting.



Using the same wrench, adjust the red high fire cam to the initial settings.



To adjust the high fire transition, use a small straight edge screwdriver. For high/low firing burners, turn the white adjustment screw located in the orange transition cam until the cam indicator is half way between the high and low settings on the scale.



After setting all the cams, make sure the damper shaft and cam stack is set between its low fire setting and its high fire setting. (If you don't it may not move when it is powered.) Push in pin, move the damper by hand so that notch is between the low fire setting and high fire setting on scale then release pin to re-engage the motor. When the motor is powered it will go to its low fire setting. Please follow the same procedure for the final air adjustments.