

Robertshaw

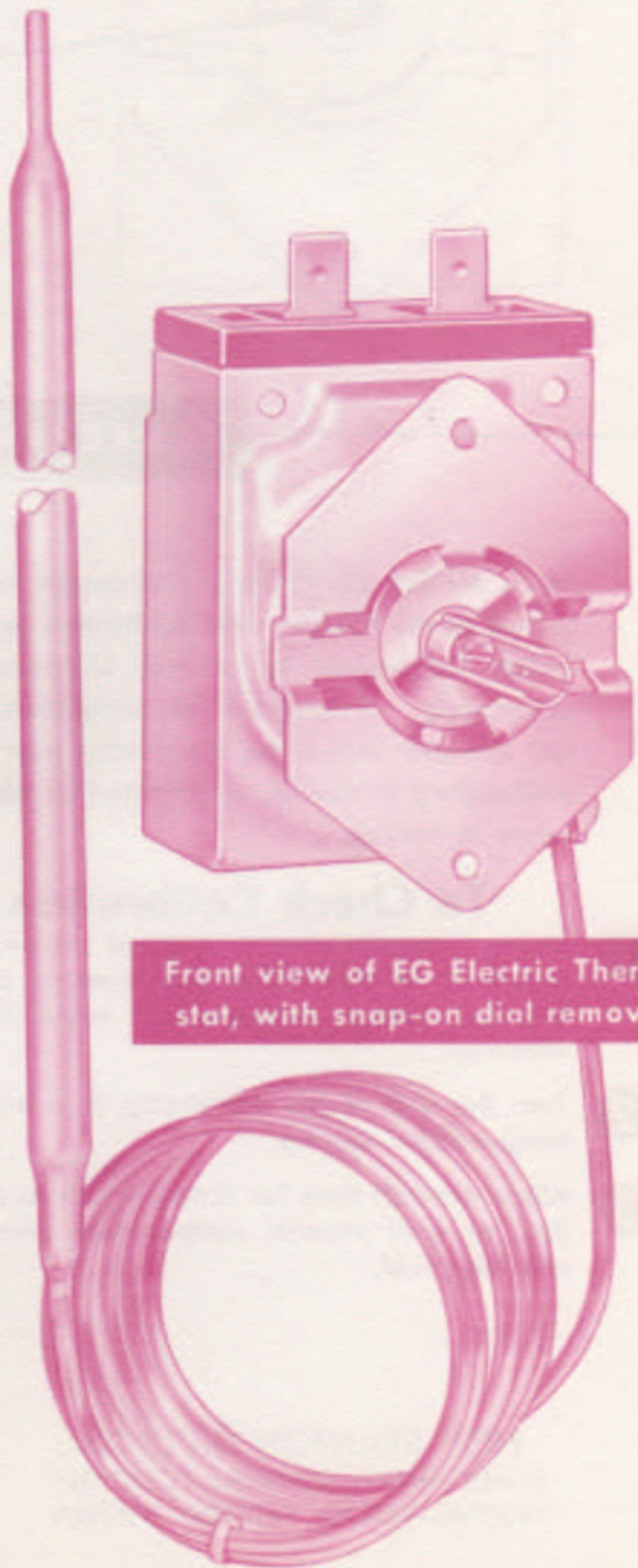
Model EG Electric Thermostats single pole - snap action

EG ▽ ▽ direct-acting
(Opens or "breaks" circuit on
temperature rise)

CENTER STEM ADJUSTMENT

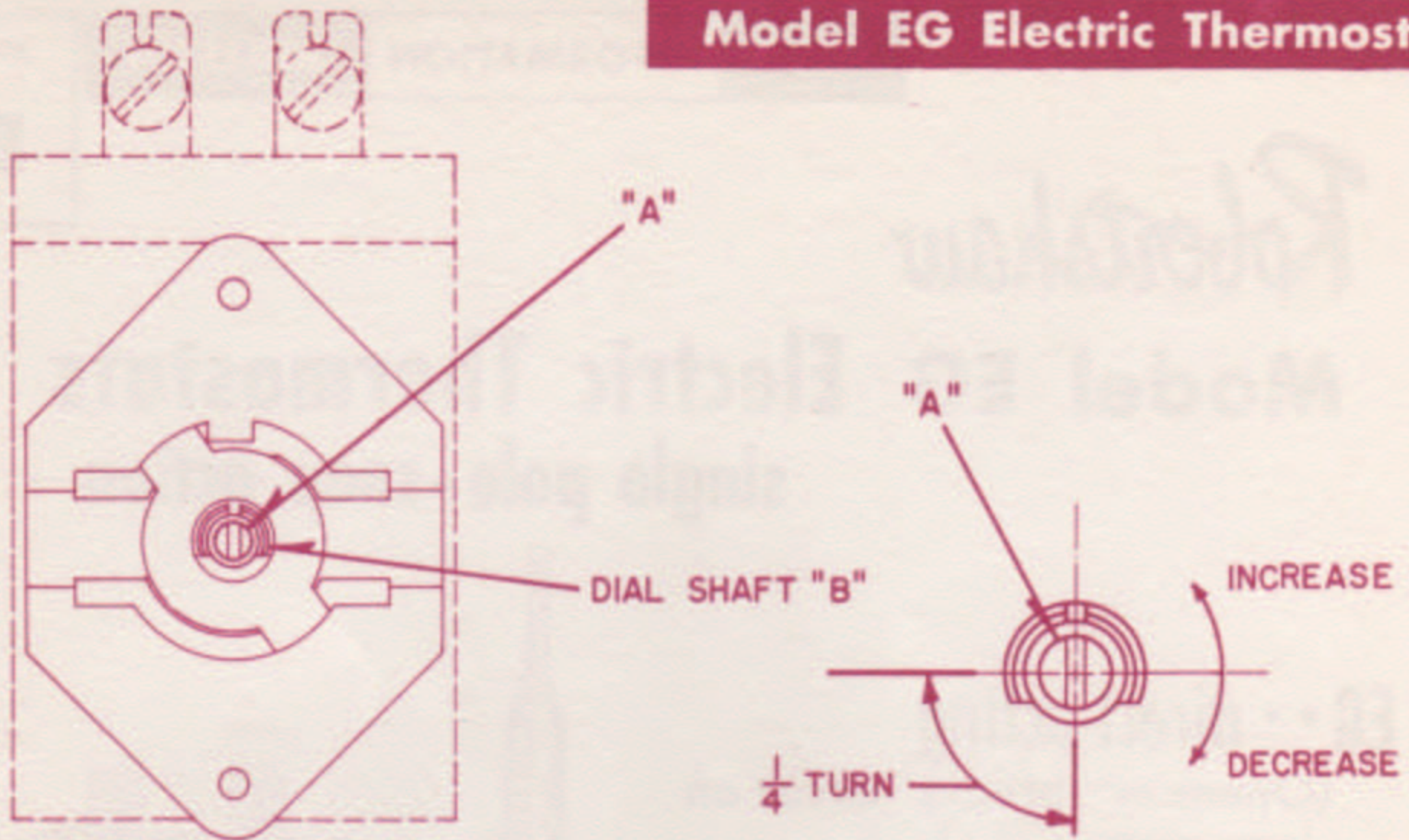
This bulletin is intended to give field service men the information needed in installing, checking, adjusting or recalibrating Robertshaw Model EG Electric Thermostats. As the manufacturer we recommend that field work on these thermostats be limited to the checking and adjusting procedures described herein.

EG Series thermostats are of snap-action, single-line, double-break design. Silver contacts and heavy-duty terminals are features that make them excellent for any service requiring durability and sustained accuracy. The power element, which consists of a stainless steel diaphragm with a capillary tube and bulb filled with a liquid having a high coefficient of expansion, provides extreme sensitivity to temperature fluctuations. Thus it will operate within very close temperature differential, especially in those applications in which the bulb is located within a liquid.



Front view of EG Electric Thermostat, with snap-on dial removed.

Model EG Electric Thermostats



CHECKING CALIBRATION

Each Model EG Electric Thermostat is adjusted at the factory and calibrated on precision instruments to control temperatures accurately. Adjustment or recalibration is not needed unless the thermostat has been mishandled in transit, or changed or abused while in service.

To Check Calibration

- 1 Use a potentiometer or a good grade thermometer to determine temperature at the location where temperature regulation is required.
- 2 Turn the dial of the thermostat to a medium temperature setting.
- 3 Allow enough time for temperature to stabilize, or until several temperature readings are identical.

To Recalibrate

Remove dial from shaft "B".

Turn screw "A", clockwise to decrease and counter clockwise to increase.

Because of the many temperature ranges available in this thermostat $\frac{1}{4}$ turn of screw "A" has different values. The chart below shows the approximate value of $\frac{1}{4}$ turn of screw "A" when used on the respective temperature ranges.

<u>TYPE</u> <u>THERMOSTAT</u>	<u>TEMP. RANGE</u> <u>IN DEGREES F.</u>	<u>$\frac{1}{4}$ TURN IN</u> <u>DEGREES F.</u>
OVEN	150° TO 550°F	35°F
DRYER	130°—180°F	14°F
ROOM CONTROL	60°—95°F	6°F

Replace dial.

After a calibration is made let the appliance operate until the temperature has stabilized, then recheck to determine whether or not the calibration has been corrected.

NEW STANTON DIVISION
ROBERTSHAW CONTROLS COMPANY
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