

T-3111

# Integral Thermostat and Piston Top Valve Actuator

## Description

The T-3111 is a combination thermostat and valve actuator providing proportional control of a steam or water valve on a single temperature application. Designed for use on a valve controlled terminal air conditioning unit.

Refer to *T-3100, T3200, and T3300 Series Controllers Product/Technical Bulletin (LIT-7171156)* for important product information.

## Selection Charts

### T-3111 Integral Thermostat

Code Number	Description
T-3111-1	Direct Acting, External Set Point, Bulb Element
T-3111-3	Direct Acting, External Set Point Averaging Element
T-3111-6	Direct Acting, Concealed Set Point, Averaging Element
T-3111-2	Reverse Acting, External Set Point, Bulb Element

### T-3111 Accessories/ Maintenance Parts

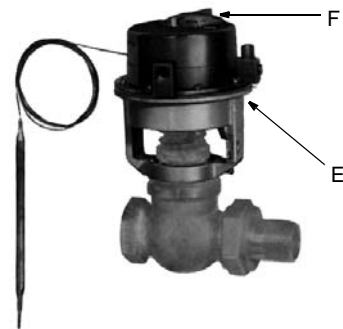
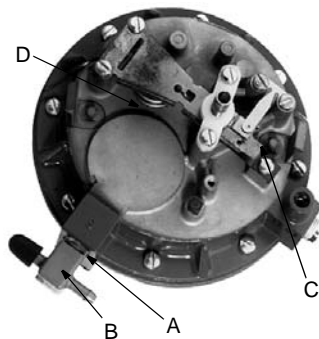
Code Number	Call-out	Description
T-3100-6005	A	Supply Inlet Filter (Order in Multiples of 50)
R-3710-3107	B	Restrictor Tee
T-4002-600	C	Control Port
T-275-6002	D	Element Assembly Remote "B" Bulb
V-3000-6000	E	Diaphragm (Package of 2)
T-271-6000	F	Knob (Package of 2)
T-275-100	---	"B" Bulb Holder
T-275-101	---	Averaging Element Holder

## Features

- available in Direct (DIR) and Reversing (REV) acting models
- direct acting models available with an external, or concealed, set point adjusting screw
- direct or reverse acting models available with liquid filled temperature measuring elements
- direct acting model with averaging element available for low limit applications
- fits any Johnson Controls 1/2 in. through 2 in. normally open, normally closed, or mixing valve which takes a V-3000 actuator
- includes a protective snap-on cover
- factory set for a nominal adjustment of  $\pm 7.5^\circ\text{F}$  ( $\pm 4^\circ\text{C}$ ) from a set point of  $75^\circ\text{F}$  ( $24^\circ\text{C}$ ) for bulb element and  $56^\circ\text{F}$  ( $13^\circ\text{C}$ ) for the averaging element



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T3111 Accessories and Maintenance Parts

## Repair Information

If the T-3111 Integral Thermostat and Piston Top Valve Actuator fails to operate within its specifications, replace the unit. For a replacement thermostat or actuator, contact the nearest Johnson Controls® representative.