

# Temperature Controllers

## T4031C; T6031C,D,F Ambistat Controller



**Ambient temperature compensated, high-limit controllers for HVAC, agriculture and industrial applications.**

- Suitable for line-voltage, low voltage, or millivolt (Powerpile) control of bulk milk tanks, beverage dispensing machines, ice cube machines, dishwashers, crop drying, tobacco curing, and similar applications
- Enclosed snap action switches available with SPST or SPDT action
- Models available that make or break on temperature rise
- Screwdriver adjustment for temperature setting; external knob option
- Immersion well not included

**Type:** Remote bulb

**Application:** Line-voltage, low-voltage or millivolt (Powerpile) control of bulk milk tanks, beverage dispensing machines, ice cube machines, dishwashers, crop drying, tobacco curing and similar applications.

**Dimensions, Approximate:** 5 5/8 in. high x 2 in. wide x 2 1/8 in. deep (143 mm high x 51 mm wide x 54 mm deep)

**Output Type:** Relay

**Voltage:** 120 Vac or 240 Vac

**Frequency:** 50 Hz; 60 Hz

**Number of Sensor Inputs:** 1

**Approvals**

**Canadian Standards Association:** Listed

**Underwriters Laboratories, Inc:** Component Recognized

Product Number	Setpoint Temperature Range		Maximum Operating Temperature		Bulb Size		Capillary Length		Output	Sensor Element	Differential Temperature		Contact Ratings		Comments
	(F)	(C)	(F)	(C)	(inch)	(mm)	(ft)	(m)			(F)	(C)	(120 Vac)	(240 Vac)	
T4031C1012/U	40 F to 180 F	4 C to 82 C	205 F	96 C	2 7/8 in. long x 3/8 in. diameter	73 mm long x 10 mm diameter	5 1/2 ft	1.7 m	1 SPST	Copper	5 F	2.8 C	8.0 AFL, 48.0 ALR	5.1 AFL, 30.6 ALR	Break on temperature rise
* T6031C1009/U	40 F to 180 F	4 C to 82 C	205 F	96 C	3/8 in. diameter x 2 7/8 in. long	10 mm diameter x 73 mm long	5 1/2 ft	1.7 m	1 SPDT	Copper bulb	2 F	1.1 C	120 VA pilot duty	120 VA pilot duty	Includes 107324A Duct Bulb holder
T6031C1058/U	100 F to 240 F	38 C to 116 C	265 F	130 C	3/8 in. diameter x 2 7/8 in. long	10 mm diameter x 73 mm long	5 ft	1.5 m	1 SPDT	Stainless steel bulb	2 F	1.1 C	120 VA pilot duty	120 VA pilot duty	—
T6031D1015/U	40 to 180 F	4 C to 82 C	—	—	3/8 in. diameter x 2 7/8 in. long	10 mm diameter x 73 mm long	5 1/2 ft	1.7 m	1 SPDT	Copper bulb	5 F	2.8 C	8.0 AFL, 48.0 ALR	5.1 AFL, 30.6 ALR	—
T6031D1031/U	0 F to 70 F	-18 C to +21 C	170 F	77 C	3/8 in. diameter x 2 7/8 in. long	10 mm diameter x 73 mm long	5 1/2 ft	1.7 m	1 SPDT	Copper bulb	5 F	2.8 C	8.0 AFL, 48.0 ALR	5.1 AFL, 30.6 ALR	—
T6031D1049/U	30 F to 270 F	-1 C to +132 C	305 F	152 C	3/8 in. diameter x 2 7/8 in. long	10 mm diameter x 73 mm long	5 1/2 ft	1.7 m	1 SPDT	Copper bulb	7 F	3.9 C	8.0 AFL, 48.0 ALR	5.1 AFL, 30.6 ALR	—
T6031F1010/U	55 F to 90 F	13 C to 32 C	150 F	66 C	5/16 in. diameter x 11 11/16 in. long	8 mm diameter x 297 mm long	5 1/2 ft	1.7 m	1 SPDT	Copper bulb	1.5 F	0.8 C	8.0 AFL, 48.0 ALR	5.1 AFL, 30.6 ALR	Does not include enclosure

\* TRADELINE models • SUPER TRADELINE models