# **THERMOSTATS & CONTROLLERS**

### HONEYWELL SINGLE- OR MULTI-LOOP STANDALONE CONTROLLER

**T775 SERIES** 

#### DESCRIPTION

**70**°

The Honeywell Model T775 is a standalone multi-point and multi-loop controller designed for a wide range of applications. The I/O point mix is unit-specific with temperature, humidity, and pressure input models available. Relay or analog output models may be selected as well. Single-loop, two-loop, and reset controllers may be selected, all including a seven-day time clock for output disable or night setback. The relay output controllers have adjustabledifferential control algorithms. Analog output controllers have adjustable throttling range, proportional plus integral (PI), or proportional, integral, and derivative (PID) control. The backlit display is easy to read, and the menu-driven setup is simple. The T775 is available in NEMA 1 or NEMA 4X enclosures for the most demanding environments.

#### **FEATURES**

Standalone controller

SPECIFICATIONS

- Multiple power input (24, 120, or 240 VAC)
- Single- or dual-loop models
- Throttling range, PI and PID tunable modulating models
- Adjustable differential two-position models
- Humidity, pressure, and universal input models
- Two-position 10A relay model
- Analog output 0 or 2 to 10 VDC, 4-20 mA, and 135 $\Omega$  models



T775M2048 closed door

# Honeywell



T775M2078 open door with wiring



- Integral seven-day time clock for night setback or shutdown
- Remote night setback or shutdown input
- °F or °C temperature display RH, PSI, In W.C. on W Models
- Daylight savings time compensation

	SPECIFICATIONS			
SS	Supply Voltage Supply VA	24, 120, or 240 VAC, 50/60 Hz 8 VA maximum at 60 Hz,	Modulating	0 or 2-10 VDC, 2 k $\Omega$ minimum impedance
THERMOSTATS & CONTROLLERS	Display	10 VA maximum at 50 Hz Backlit digital 2.5" x 1.5",	2	4-20 mA, $600\Omega$ maximum impedance Series 90, 135 $\Omega$
IRO	Operation	configurable °F or °C 6-key, menu-driven, with simple	Temperature Sensor	Included in all T775-A,B,L,M,P,R
$\Xi$	ale	programming lock	Probe	50021579-001, 8" leads
ō	Memory	Program is non-volatile; time is retained	Range	-60°F to 270°F (-51° to 132°C)
U		for 24 hours	Accuracy	±1°F at 77°F
లర	Clock	12 hour (AM/PM) for night setback/	Control Type	Model-specific (see I/O configuration
$\sim$		shutdown, daylight savings time		table)
A		enable/disable	Relay on/off	Differential control, adjustable ±1° to
	Scheduling	7-day, two events per day	-	±150°F
õ	Setpoint	Model specific (see I/O configuration	Modulating	PI or PID, with adjustable tuning
$\leq$		table)	_	Throttling range ±1° to ±150°F
2	Temperature	-40° to 248°F (-40° to 120°C)		Derivative and integral times 0 to 3600
<b>\</b>	Humidity (T775U)	0-100%		seconds
亡	Pressure (T775U)	-500 to 500 psi -30 to 30 inches W.C.		Multiple loops depending on model
		-3000 to 3000 Pa or kPa	Wiring	Terminal blocks separated by function
	Signal Input	Model-specific (see I/O configuration	Enclosure	Plenum rated plastic, UL94V NEMA 1,
		table)	he he	NEMA 4X versions Hinged cover with
21	Temperature RTD	1.1 k at 77°F, PTC, 2.1 /°F, Platinum		LCD window Five (1/2") knockouts on
<b>∠</b> I		1 kΩ at 32°F, 385 curve		four sides
	Digital input	Dry contact, all models (Used for	Color	Two-tone gray
		system shutdown or night setback)	Mounting	Surface screw tabs or DIN rail
	Analog (T775U)	0-10 VDC, 4-20 mA	Operating Temperature	-40° to 140°F (-40° to 60°C)
	Input Calibration	Temperature offset ±10°F	Operating Humidity	5% to 95% RH (non-condensing)
		Universal offset ±10% of scale	Dimensions	8.2"H x 4.9"W x 3"D
	Signal Output	Model-specific (see I/O configuration		(20.7 x 12.5 x 7.4 cm) Door opens out
	Deleve/tri state	table) $1/2$ of $2/2/2$ (registive) $1/2$ hp of $1/2$	Maria da A	4" (10.2 cm)
	Relays/tri-state	10A at 24 VAC (resistive), 1/2 hp at 120	Weight	2.2 lb (1 Kg)
		VAC	Approvals	UL Listed File #E4436, File #XAPX.

E4436 cULus, CE, C-tick, FCC

1 year

125 VA pilot duty

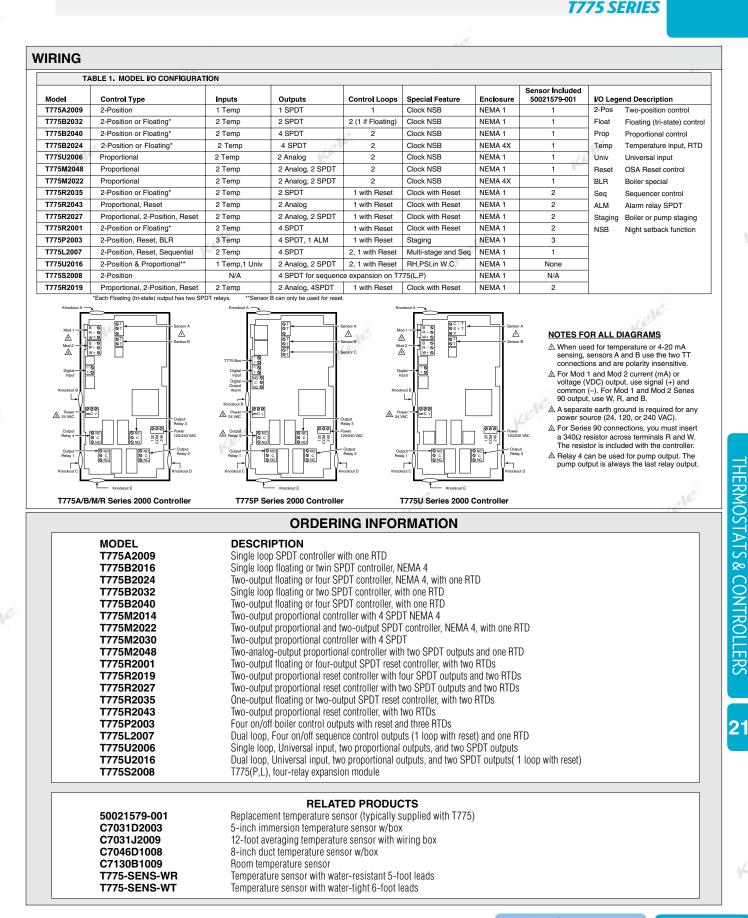


EASY RETURNS, LET KELE DO THE LEGWORK

Warranty

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GROWING SELECTION AVAILABLE ON KELE.COM kele.com 877-826-9037 USA

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