

**T4522-001**

2 H / 2 C - Programmable



**5 Year Warranty**

## Performance PRO™ T4000 Series

Full featured commercial thermostats for single-stage, multi-stage & heat pump applications.

**Large BLUE display - 4 inch<sup>2</sup>  
in sleek-design housing,**

allowing easy viewing in low light.

**365 Day programmable calendar,**

with 20 holidays & daylight-saving time shift, giving *set-and-forget-it* convenience.

**7 Day, 5-1-1, 5-2, programming modes,**

giving flexibility in programming & operation. (Models T4522-001, T4511-001)

**Performance PRO Series common wallplate,**

allowing installer or customer to easily upgrade to richer function thermostats.

**Commercial proportional integral control**

with configurable ramp recovery, giving superior commercial comfort and stable, energy efficiency.

### **Wide Range of Commercial Functions**

- ▶ 7 Day, 5-1-1, 5-2, non-programmable modes
- ▶ Programmable & intermittent fan
- ▶ Up to 2 Heat / 2 Cool
- ▶ 3 Levels of keypad lockout with PIN access
- ▶ Meets CA Building Code, Title 24 with pre-occupancy purge & override limitations
- ▶ Compressor & auxiliary lockout for dual fuel (fossil) or electric auxiliary heat
- ▶ Heating / Cooling LED indicator
- ▶ Low battery & change filter indicators
- ▶ Occupancy sensor / setback input
- ▶ Remote indoor sensor support



Oil



Electric



Gas



Heat Pump

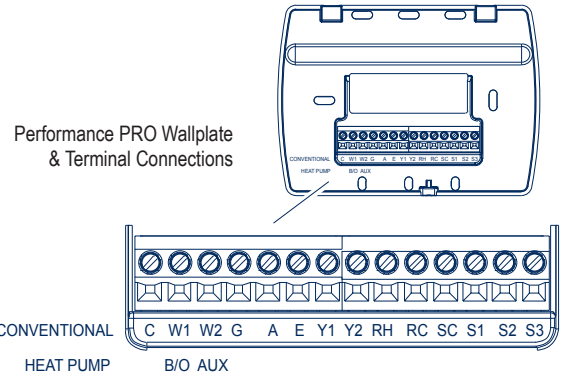
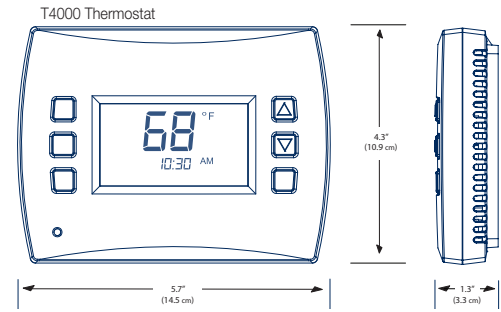
**T4000**

Series

## Specifications

Temperature Control Range	50° to 90° F (10° to 32° C)
Operating Temperature Range	0° to 120° F (-18° to 49° C)
Storage Temperature Range	-20° to 130° F (-29° to 55° C)
Electrical Input Frequency	50/60 Hz +/- 10%
Input Power	24 VAC (20-30 VAC) and/or 2 AA alkaline batteries (Installing batteries recommended)
Output Terminal W - Heating	20-30 VAC 0.02-1.0 A
Output Terminal Y - Cooling	20-30 VAC 0.02-1.0 A
Output Terminal G - Fan	20-30 VAC 0.02-0.6 A
Dead band	3°-10° F (+/- 1.5-5° C) 3° F Default
Memory	Built-in error detection
Termination Connections	Wallplate w/ screw terminals

Total load not to exceed 2.5 A



## Technical Data

### Dimensions

Mounting	Direct mount; 2" x 4" horizontal or vertical, or 4" x 4"
LCD Viewable Size	4 inch <sup>2</sup> - 2.7" W x 1.5" H 26.2 cm <sup>2</sup> - 6.9 cm W x 3.8 cm H
Physical Dimensions	5.7"W x 4.3"H x 1.3"D

### Models & Accessories

Model	Part No.	Description
T4522-001	69921	Performance PRO 2 Heat / 2 Cool staging, programmable.
70271	70271	Wallplate. Performance PRO common wallplate: applicable to all series models.
70210	70210	Protective locking cover. Key security with all 4000 series thermostats.
69308	69308	Indoor remote sensor
70327	70327	Outdoor remote sensor
SB200-001	68375	Occupancy sensor - time based
SK200-001	68381	Occupancy sensor - guest room

### Terminals

Conventional	Terminals	Heat Pump
Unswitched side 24 Vac	C	Unswitched side 24 Vac
Stage 1 Heat	W1 B/O	Reversing valve
Stage 2 Heat	W2 AUX	Auxiliary - Stage 3 Heat
Fan Relay	G	Fan Relay
--	A	--
--	E	--
Stage 1 Cool	Y1	Compressor Stage 1 Heat / Cool
Stage 2 Cool	Y2	Compressor Stage 2 Heat / Cool
Power to Heating switched side	RH	Power to Heating switched side
Power to Cooling switched side	RC	Power to Cooling switched side
Sensor Common	SC	Sensor Common
Indoor remote sensor	S1	Indoor remote sensor
Setback input	S2	Setback input
--	S3	--

RoHS Compliant

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