

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 inch² 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

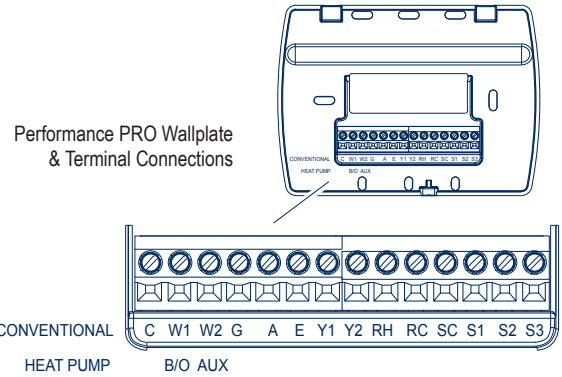
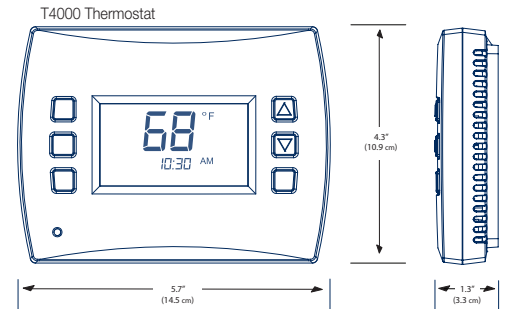
T4000

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 ² - 2.7" W x 1.5" H 26.2 cm ² - 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. |
| 73217 | 73217 | Wallplate (10 pack) applicable to all Performance PRO 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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