T8532-IAQ
3 H / 2 C - Programmable
with Humidification /
Dehumidification Control

T8532-001
3 H / 2 C - Programmable

Sun

68 °F

10:30 AM

PECO

5 Year Warranty

Performance PRO™ T8000 Series

Category leading extra-large display, commercial thermostats for multi-stage & heat pump applications.

**Large BLUE backlit display - 8 inch²
in sleek-design housing**,
   allowing easy viewing in low light.

SD Memory card interface,
   enabling quick configuring of
   large-project installations.

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

Humidification / dehumidification control,
   maximizing occupant comfort with a
   programmable environment.
   (Model T8532-IAQ)

Battery or hard-wire with power harvesting,
   or (Green) mode, preserving battery life
   & reducing disposals.

Performance PRO Series common wallplate,
   allowing installer or customer to easily
   upgrade to richer function thermostats.

High Performance Commercial Functions

▶ 7 Day, 5-1-1, 5-2, non-programmable modes

▶ Programmable & intermittent fan

▶ Economizer / damper control output

▶ 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 & outdoor sensor support

▶ Commercial proportional integral control
   with configurable ramp recovery

PECO   *Innovation & experience you can count on*
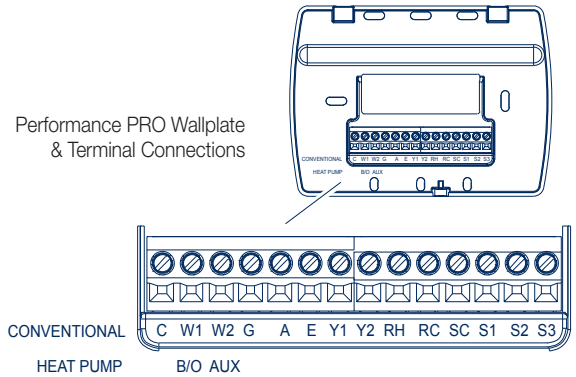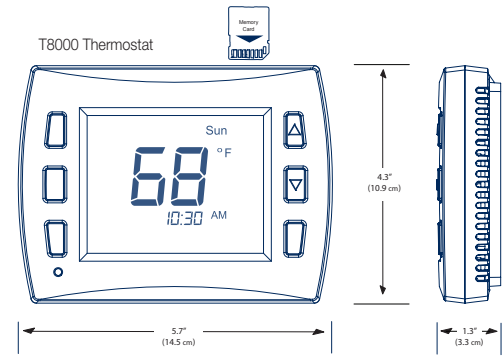
Oil   Electric   Gas   Heat Pump   **T8000** Series

T8000 Thermostat

Memory Card

Sun
68 °F
10:30 AM

4.3"
(10.9 cm)

5.7"
(14.5 cm)

1.3"
(3.3 cm)

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
Output Terminal A - Economizer	20-30 VAC 0.02-1.0 A
Dehumidification Sensor	0 - 100% RH
Dehumidification Range	25% - 99% RH
Termination Connections	Wallplate w/ terminal blocks
Memory Card	SD (Secure Digital)

Total load not to exceed 2.5 A

Performance PRO Wallplate & Terminal Connections

CONVENTIONAL HEAT PUMP B/O AUX

| C | W1 | W2 | G | | A | E | Y1 | Y2 | RH | RC | SC | S1 | S2 | S3 |

CONVENTIONAL
HEAT PUMP   B/O AUX

Technical Data

Dimensions

Mounting	Direct mount; 2" x 4" horizontal or vertical, or 4" x 4"
LCD Viewable Size	8 inch^2 - 2.5"W x 3.2"H 51.8 cm^2 - 6.4 cm W x 8.1 cm H
Physical Dimensions	5.7"W x 4.3"H x 1.3"D

Models & Accessories

Model	Part No.	Description
T8532-IAQ	70337	Performance PRO 3 Heat/2 Cool staging, programmable w/ Humidification/Dehumidification control
T8532-001	69922	Performance PRO 3 Heat / 2 Cool staging, programmable.
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		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
Economizer, Damper Control or Humidify	A	Economizer, Damper Control or Humidify
Stage 3 Heat	E	Emergency
Stage 1 Cool	Y1	Compressor Stage 1 Heat / Cool
Stage 2 Cool or Dehumidify	Y2	Compressor Stage 2 Heat / Cool or Dehumidify
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
Outside remote sensor	S3	Outside remote sensor

RoHS Compliant

T8000
Series

Oil   Electric   Gas   Heat Pump

PECO