PECO INC.

PECO

AN ASTRONICS COMPANY

NEW

Sun

72 °F

10:30 AM

PECO

T8532-002

PECO
Performance PRO™ new release

2 Heat / 2 Cool

Fan coil, *water source, heat pump & PTAC*

▶ **Large BLUE backlit display**

▶ **Programmable or non-programmable**

▶ **Controls fan up to 3-speeds**

▶ **Key pad lock-out option**

▶ **Memory card interface**

▶ **Remote Indoor Sensor**

▶ **Occupancy sensor input**
   enabling temperature setback when a room is unoccupied

T8532-002
Multi-fan Programmable
Thermostat

PECO Performance PRO T8532-002 multi-fan thermostat delivers deep-value in commercial climate control. With an 8-inch^2 blue backlight display, intuitive soft key command interface, and SD memory card interface, users can perform fast programming and configuring in-the-field. Occupancy sensor input enables temperature setback, or off, when a room is unoccupied.

T8532-002 offers some of the most advanced thermostat programmable and non-programmable functions for fan coil, including; battery or 24 VAC powered, 7-day, 5-1-1, 5-2 and non-programming modes, and key pad lockout with 3-digit code security. Supports; daily valve-purge, programmable fan, remote indoor, and occupancy sensor input, configurable operation of Heat (W1) for NO and NC.

SD™ Memory Card Interface

Energy Saving

Model	Part #	Outputs
T8532-002	70854	Performance PRO Multi-fan, 2 Heat / 2 Cool staging, programmable thermostat.

memory card not included

Fan   Refrigeration   PTAC / PTHP   Fan Coil   Heat Pump

T4932-002

T4932-002
w/ locking cover

T4932SCH

Commercial Programmable
Thermostat

With a 4-inch², blue backlight display supported by an attractive enclosure, and key-lock cover, PECO Performance PRO T4932SCH is engineered to deliver superior climate control with standalone energy management to large-scale facilities. Up to 3 Heat/3 Cool, programmable models provide separate scheduling of occupied and unoccupied set points for a workday and for after hours. Advanced occupancy intelligence with override button (program enable) configuration makes easy work of occupied duration and user temperature adjustment, which gives facilities , *"tight control of energy usage."*

SD memory card interface thermostat supports; compressor and auxiliary lockout for dual fuel (fossil) or electric auxiliary heat, remote indoor, occupancy and CO2 sensor setback input, preoccupancy fan purge, programmable and intermittent fan, and 3-digit code keypad lockout.

Especially for **schools** &
educational facilities

▸ **Preoccupancy fan purge**
▸ **Programmable & intermittent fan**
▸ **Override button (program enable) activating occupied mode to next event**
▸ **Compressor & auxiliary lockout for dual fuel (fossil) or electric auxiliary heat**
▸ **SD memory card interface**
▸ **Heating / Cooling LED indicator**
▸ **Occupancy / CO2 & remote indoor sensor inputs**

energy saving

Model	Part #	Outputs
T4932SCH-002	70451	3 Heat / 3 Cool, programmable, humidification/dehumidification control.
T4932SCH-001	70450	3 Heat / 3 Cool, programmable.

T8532 & T4932SCH

Just what you want from a stat...

quick install
huge display
great value

PECO

Performance PRO™ Line

T12000

Universal
Product Line Functions

▶ **Up to 3 H / 2 C**

▶ **3-digit PIN keypad lockout**

▶ **365-day programmable calendar**
   20 holidays / daylight-saving time shift

▶ **Compressor & auxiliary lockout**
   for dual fuel (fossil) or
   electric auxiliary heat

▶ **Occupancy sensor / setback input**

▶ **Heating / Cooling LED indicator**

▶ **Low battery & change filter indicators**

▶ **Remote indoor sensor support**

▶ **Configurable ramp recovery**

▶ **Programmable & intermittent fan**
   pre-occupancy purge &
   override limitations

SD™ Memory Card Interface

* Compliant with ASHRAE 90.1
& CA Title 24 Building Code

Energy Saving

T12000
Commercial Programmable
Thermostat

PECO Performance PRO T12000 line delivers a rich range of features for commercial climate control. All functions are accessed through an intuitive touch-screen interface on an industry leading 12-inch² blue backlit display. Offers flexible programming and high-performance operation including 7-day, 5-1-1, 5-2 and non-programming modes with SD memory card interface for fast programming and configuring, especially for large-project installations.

T12000 line has advanced commercial thermostat functions and access security. Supports; dual-fuel, programmable fan, remote indoor, outdoor and occupancy sensors.

IAQ Models provide control for humidification/dehumidification.

Model	Part #	Outputs
T12532-IAQ	70336	3 Heat/2 Cool staging, programmable, Humidification/Dehumidification control.
T12532-001	69923	3 Heat/2 Cool staging, programmable.

Oil   Electric   Gas   Heat Pump

T8000

T4000

T8000

Commercial Programmable
Thermostat

With a category leading 8-inch^2 blue backlight display and soft key command interface, PECO Performance PRO T8000 line delivers a rich range of climate control functions, including; set-and-forget convenience for up to a year in advance, 7-day, 5-1-1, 5-2 and non-programming modes. SD memory card interface for fast programming and configuring, on large-project installations.

T8000 has advanced commercial thermostat functions and access security. Supports; dual-fuel, programmable fan, remote indoor, outdoor and occupancy sensors.

IAQ Models provide control for humidification/dehumidification.

Model	Part #	Outputs
T8532-IAQ	70337	3 Heat/2 Cool staging, programmable, Humidification/Dehumidification control.
T8532-001	69922	3 Heat/2 Cool staging, programmable.

T4000

Commercial Programmable
Thermostat

With a 4-inch^2, blue backlight display supported by an attractive enclosure, PECO Performance PRO T4000 line is a true value in a climate control device.

Programmable models deliver 7-day, 5-1-1 and 5-2 modes. Non-programmable modes are also available. Loaded with Series functions that include; 365-day calendar with 20-holidays and daylight-saving time shift. No SD card interface.

Model	Part #	Outputs
T4522-001	69921	2 Heat/2 Cool staging, programmable.

commercial
programmable
multi-stage & heat pump

T12000, T8000 & T4000

PECO

Fan Coil & Line Voltage Thermostats

T180

T170

T180 · T170
Commercial Digital Thermostat

Reliable controllers for
Fan Coil, PTAC &
modulating / proportional applications

- ▶ 24 or 110-277 VAC supply voltage options
- ▶ Occupancy Setback Inputs
- ▶ Controlled Off safety option
- ▶ Keypad lockout - partial or full
- ▶ Manual or Auto changeover
- ▶ Local, remote & occupancy sensor support
- ▶ LCD display
- ▶ Energy Star, ASHRAE 90.1 & Title 24 compliant

PECO T170 non-programmable & PECO T180 programmable thermostats deliver smart energy management. Each is a microprocessor-based, standalone digital controller that handles line or low voltage control of heat, cool, outside air and up to 3 fan speeds with 2/4 pipe configuration. Auto-staged fan model is available.

- ▶ 24 or 110-277 VAC supply voltage options
- ▶ Setback & controlled Off safety options
- ▶ Keypad lockout - partial or full
- ▶ Manual or Auto changeover
- ▶ Local, remote & occupancy sensor support
- ▶ LCD display
- ▶ Energy Star, ASHRAE 90.1 & Title 24 compliant

T180 supports all of the above functions and offers full 7-day, 4-event programmability.

Model	Part #	Outputs
TA170-001	68348	Auto/ Cool/ Heat/ Off, 3 fan speed.
TB170-001	68457	Auto/ Cool/ Heat/ Off, staged 3-speed fan.
TA180-001	69378	3 Fan speeds, 24-277 VAC, FC Stat.
TB180-001	69379	Staged fan speed, 24-277 VAC, FC Stat.

PTAC / PTHP   Electric   Gas   Fan Coil

T168 · T158

Modulating / Proportional Thermostat

PECO T158 & T168 digital thermostats are standalone digital controllers. T158 controls 24 VAC output On /Off for valves, dampers, relays, and three-wire floating valves. T168 proportional thermostat supports 0-10 VDC or 4-20 mA output for proportional control of valves and dampers. With a digital display and easy-to-use buttons, it delivers easy access to temperature, set-points and operating modes.

▶ Operates at 50 Hz / 60 Hz
▶ Multi-speed fan switching model available
▶ 2 /4 pipe configuration
▶ Auto & Summer/Winter changeover capability
▶ Setback support
▶ Staged / auxiliary heat capability
▶ Local or remote sensing

Model	Part #	Outputs
TA158-100	68730	Auto-Heat-Cool-Off, Off-H-Med- Lo Fan, On/Off valves.
TB158-100	68731	Auto-Heat-Cool-Off, Off-Hi-Med-Lo Fan, 3-wire or On/Off valves.
TA168-100	68734	0-10 VDC/4-20 mA, 2/4 pipe, Auto-Heat-Cool-Off, Off-H-Med- Lo Fan.

T167 · T155

0-10 VDC / Changeover Thermostat

PECO T167 standalone proportional controller supplies 0-10 VDC proportional output for Heat/Cool at 50 or 60 Hz for control of valves and dampers. T155 auto or manual changeover, analog electronic thermostat is for use in HVAC applications with 2/4 pipe fan coil. It handles automatic internal switching between Heat/Cool and uses advanced self-configuring circuitry enabling an install directly to input voltages from 24 to 277 VAC, 50 or 60 Hz.

▶ Up to 3-speed fan switching available
▶ Accepts 24 to 277 VAC

Model	Part #	Outputs
TA155-028	67027	On-Off, 3-speed fan, 2-pipe, wire leads.
TA155-046	68604	Cool-Heat-Off, 3-speed fan, wire leads.
TA155-047	68605	Cool-Heat-Off, 3-speed fan, terminal block.
TB155-046	68606	On-Off, 3-speed fan, wire leads.
TB155-048	68608	On-Off, 3-speed fans, terminal block.
TA167-006	68428	Heat or Cool, 0 -10 VDC.
TA167-007	68609	On-Off, 3-speed fan, 0-10 VDC

T180, T170, T168, T167, T158 & T155

energy savings with ANY HVAC system

Energy Control **Occupancy** Sensors

SK200

Energy management that works
with any thermostat

Commercial & public space buildings can realize significant savings in energy-use with PECO digital thermostats & occupancy, time and switch-based sensors.

For a relatively small investment, facilities can significantly reduce energy costs by eliminating wasted energy used in empty rooms.

Automation   Energy Saving

Gas   Oil   Electric   PTAC / PTHP   Fan Coil   Heat Pump

SK200
Smart Energy Guest Room

PECO SK200 is all that is required to add smart technology for occupancy verification and HVAC system control as an energy management system. With an onboard temperature sensor, these sensors deliver occupancy-based temperature setback of HVAC, which enables facilities to reduce energy consumption and maintain ideal temperature levels. High/low temperature limit setback functionality, allows the system to prevent rooms from getting too hot or too cold while unoccupied.

▶ Small investment, great ROI in energy savings
▶ Passive infrared (PIR) sensing technology & intelligent logic
▶ Motion based
▶ Door-switch activation assures occupant comfort

Model	Part #	Outputs/Description
SD200-001	68376	Guest room master motion sensor.
SE200-001	68379	Door switch.
SE200-002	68380	Window switch.
SK200-001	68381	Motion standalone system kit; SD200-001 Master sensor controller, SE200-001 door switch & SF200-001 power pack.

SA200

SB200

SD200

SD200

Time & Temperature Sensors

PECO SD200 product line provides standalone intelligent occupancy verification based on both; time and temperature. SD sensors include options for delay-to-On, delay-to-Off, and high/low temperature setbacks. Custom configurations allow installers to determine how HVAC operates based on occupancy.

Door or window switches expand energy saving functionality that includes; disabling HVAC operation if a door or window is left open for more than 5-minutes.

▶ Custom configurations
▶ Occupancy verification
▶ Motion based
▶ Time based

Model	Part #	Outputs/Description
SD200-002	68377	Time- and Temperature-based master sensor.
SF200-001	68378	Power pack.
SK200-002	68382	Time-based standalone system kit includes; SD200-002 Master sensor controller & SF200-001 power pack.

SA/SB200

Time Based Sensors

PECO Smart Sensors pair easily with PECO thermostats to deliver accurate occupancy verification and energy control technology for multi-room facilities. Ideal for use with PECO Performance PRO, T170 or T180 controller.

SA200 & SB200 are basic sensors for HVAC energy management systems. These sensors reliably control HVAC system operation based on time delays for off and on. Sensors can reduce energy consumption while maintaining ideal temperature levels.

▶ Small investment, great energy savings
▶ Passive infrared (PIR) sensing technology & intelligent logic
▶ Motion based & time based

Model	Part #	Outputs/Description
SA200-001	68374	Motion sensor, ceiling mount.
SB200-001	68375	Motion sensor, wall/ceiling mount.
SE200-002	68380	Window switch.
SW206-001	69997	Wireless door / window sensor.

SA-, SB-, SD- & SK-200

TW205

RW205

Wave & WavePRO™ Wireless

TW205 / RW205

Wireless Thermostat

Reliable wireless
thermostats
Fast, easy installs
fan coil, water source,
heat pump & PTAC

PECO's wide-range of reliable line voltage thermostats offer a solution for any fan coil climate control requirement.

Ideal for condominiums, hotels, commercial, or residential care facilities.

PECO TW205 is a non-programmable wireless thermostat-transmitter with a blue, backlight LCD display that interfaces with RW205 wireless receiver. System controls Heat/ Cool/ Off/ Auto and Fan Speed, and allows for a remote location thermostat, desirable for easy installation in retrofit applications. Supports; remote temperature sensor, reversing valve, outside air damper, and multiple auxiliary heat types. Frequency hopping, spread-spectrum technology used by TW205/RW205 avoids interference by other wireless signals, this enables optimal performance even when multiple units are in close proximity.

▶ 1 Heat / 1 Cool conventional, PTAC, PTHP & Fan Coil
▶ 24 VAC, 120-277 VAC, battery or both
▶ Up to 3-speeds of fan control
▶ Accepts setback and remote sensor inputs

* Compliant with ASHRAE 90.1 & CA Title 24 Building Code

Model	Part #	Outputs/Description
TW205-001	69402	1 Heat / 1 Cool, non-programmable.
RW205-001	69403	Receiver module, up to 3-speeds of fan control.

Wireless   Gas   Oil   Electric   PTAC / PTHP   Fan Coil   Heat Pump

K2500

K2500

Wireless Thermostat

PECO K2500 WavePRO is a wireless thermostat transmitter with blue backlignt LCD dispaly, and companion receiver system. Engineered to control conventional (gas, oil, electric) or heat-pump systems. It supports auxiliary heat stages and the latest compressor technology. Because of frequency hopping spread-spectrum technology and extensive programming options PECO K2500 delivers ultimate operating performance. Supports remote temperature sensor, programmable (intermittent) fan and multiple auxiliary heat types.

▶ 2 Heat/2 Cool conventional, 3 Heat/2 Cool heat pump
▶ 7 Day individual, 5-1-1, 5-2 & 7-day modes
▶ 24 VAC, battery or both
▶ Program override, temporary or permanent holds, Heat/ Cool/ Off/ Auto changeover, preoccupancy purge and manual setback
▶ Occupancy sensing accessory acceptance

Model	Part #	Outputs
K2500	70188	WavePRO Wireless System kit.
T2500	69998*	2 Heat/ 2 Cool, conventional. 3 Heat/ 2 Cool, heat pump. Programmable.
R2500	70145*	WavePRO Wireless System, receiver module.

* Parts NOT sold separately

effortless
wireless
climate control
3 Heat / 2 Cool

wireless

TW205, RW205 & K2500

Tough
industrial **thermostats** that **withstand** harsh climate **conditions**

NEMA 4x Industrial Controls

TF115P-002

TF115-023

Wide Range of Industrial Uses

Rugged, weather resistant enclosure enables placement most anywhere.

Tolerates moist conditions, performs despite water spray, high humidity, airborne contaminates & moderately corrosive conditions.

For commercial, industrial and agricultural environments, including; refrigeration, industrial heating/cooling or staged heat/cool/ventilation systems.

Walk-in coolers & freezers, fans, dampers, animal confinement buildings, greenhouses, garages, warehouses, factory & industrial buildings.

TF115
Industrial Thermostat

TF115 line of robust PECO thermostats deliver long-term, reliable performance in harsh climate conditions. One control for Heating or Cooling and line-voltage or portable. The low mass, high surface area of stainless steel coiled sensor provides rapid response to temperature change. Large adjustable dial setpoint. Ambient temperature compensation and SPDT switches provides reliable control.

New, PECO TF115P-002, NEMA 4X Thermostat with Power Cord is a fast and easy portable solution temperature control at a specific location. With simple plug-in set up, user just plugs it into device power source. Easy configuration for heating or cooling, makes portable use easy.

▶ One control for heating & cooling
▶ Large, visible dial
▶ Rugged, weather resistant enclosure
▶ Enclosure is N.E.C. Article 547 compliant

Model	Part #	Temp Range	Bulb
TF115-001	68471	40°F -110°F / 4°C-43°C	Coil - Stainless steel
TF115P-002	170726	40°F-110°F / 4°C-43°C	Coil - Stainless steel
TF115-023	70254	−30°F-100°F / −34°C-30°C	Coil - Stainless steel

Electric   Gas   Fan   Refrigeration

TRF115-023

TRF115-007

TH109-009

TRF115
Industrial Thermostat

TRF115 PECO industrial-grade thermostats offer one control for Heating or Cooling. It is an excellent value for limiting, or temperature control in refrigerated or heated areas where remote mounting of sensing element is required. Liquid-filled copper or steel elements provide rapid sensing. Enables temperature control in a duct, tank, freezer or cooler. The controller element can be directly immersed in a controlled medium. Large adjustable setpoint dial. Ambient temperature compensation delivers dynamic control. SPDT switches make for reliable temperature control in harsh conditions. N.E.C. Article 547-4 compliant.

► One control for heating & cooling
► Remote sensing
► Large, visible dial, rugged, weather resistant enclosure tolerates moist conditions & moderately corrosive conditions

Model	Part #	Temp Range	Bulb
TRF115-005	68426	0°F - 120°F 18°C - 49°C	5 ft. (1.5 m) Stainless Remote Sensor
TRF115-007	69320	−30°F - 100°F −34°C - 30°C	8 ft. (2.4 m) Copper Remote Sensor

TH109
Industrial Thermostat

TH109 PECO industrial-grade thermostat control for Heating or Cooling, line-voltage, has a two-piece molded plastic enclosure with all exposed metal parts of stainless steel. Two SPDT switches staged 3° F (16° C) apart combined with he low mass, high surface area of stainless steel coiled sensor delivers rapid response to temperature change. Large adjustable dial setpoint. Ambient temperature compensation provides reliable control. N.E.C. Article 547-4 compliant.

► One control for heating & cooling
► Large, visible dial
► Tolerates moist conditions, despite water spray, high humidity, airborne contaminates & moderately corrosive conditions
► Long life & reliable performance in most demanding climates

Model	Part #	Temp Range	Bulb
TH109-009	68427	40°F - 100°F 4°C - −30°	Coil - Stainless steel

SDP155-008

SDP155-009

SP155-009

SP155-011

Guaranteed
OEM compatibility

With more than three million PECO manufactured Series 155 zone sensors installed, HVAC professionals can be assured that each PECO Zone Sensor comes with proven reliability and seamless integration into Trane commercial climate control systems. Over the years, these high-quality Trane compatible zone sensors have become the steadfast, best-value choice of contractors.

Today, this family of commercial zone sensors is available at manufacturer-direct pricing. Enabling distributors and contractors, with a price advantage.

SP/SDP155

Trane Compatible Zone Sensors

PECO SP/SDP 155 line of commercial zone sensors are specifically engineered to work with Trane VariTrac zoning, Tracer Summit building control and Voyager unitary systems.

These best-value sensors enable HVAC professionals to deliver excellent control, monitoring, energy management and equipment diagnostic functions to a Trane centralized controller.

► Original equipment design & manufacture
► Broad range of sensing & control applications
► Directly compatible with Trane UCM
► Available with or without logo
► In stock & ready for immediate delivery
► OEM direct pricing

Gas   Oil   Electric   PTAC / PTHP   Fan Coil   Heat Pump

Automation   Energy Saving

SP155-028

SP155-027
SP155-065

SP155-026

SP155-035

68671

70327

SP155-017

sensors

PECO Model	Description	Replaces Trane Model
SDP155-009	Digital Display, Temp Adjust, Zone Sensor, On, Cancel, Fan (H/M/L/O) Comm Jack.	X13790465, 41901121, SEN01281.
SDP155-008	Digital Display, Temp Adjust, Zone Sensor, On, Cancel, Comm Jack.	X13790464, 41901120, SEN01280.
SP155-009	System (H/ O/ C), Fan (On/ Auto), Zone Sensor, Temp Adjust, Zone Sensor.	X13510636-01, BAYSENS006B.
SP155-011	System (H/ A/ O/ C), Fan (On/ Auto), Zone Sensor, Dual Temp Adjust, Zone Temp.	435674920100, BAYSENS008B.
SP155-017	Indoor Sensor - Only.	X1351060901, BAYSENS017B, 41901087, THT01235.
SP155-026	Temp Adjust, Zone Sensor, Comm Jack.	X13510606-01.
SP155-027	Temp Adjust, Zone Sensor, On, Cancel, Comm Jack.	X1351060602, 41901090, THT01238.
SP155-028	Zone Sensor, On, Cancel, Comm Jack.	X1351060603, 41901088, THT01237.
SP155-035	Temp Adjust, Zone Sensor, Comm Jack.	X1351061101, 41901086, THT01249.
SP155-065	Temp Adjust, Zone Sensor, On, Cancel.	X1351073501, BAYSENS014C, SEN00496.

PECO Model	Part Number	Description	Other Accessories & Models
70327	70327	Outdoor remote sensor.	
68671	68671	Probe remote sensor.	
70210	70210	Protective locking cover. Key security for T4000 series thermostats.	
70481	70481	SD memory card for use Performance Pro series T8000, T12000 & School Stat.	
70499	70499	USB: SD card reader.	

category   leading

SP155, SDP155 & Accessories

TEMPERATURE CONTROL

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Delivering smart solutions for temperature control.

For more than 40 years, PECO has been manufacturing quality temperature control devices and delivering technologies that allow commercial enterprises to provide superior solutions to their customers.

PECO temperature control devices consistently meet high-standard system requirements in commercial, HVAC, industrial, agricultural and chemical applications. Products are commercial grade, thoroughly tested and built to surpass industry standard requirements. Manufacturing includes AS9100 and ISO 9001 quality programs, as well as RoHS / UL / CSA / VDE / CE compliance.

More on the Web