

Programmable Thermostats

VisionPRO® 8000 with RedLINK™ technology



VisionPRO® 8000 with RedLINK™ technology is a touchscreen thermostat, 7 day programmable and selectable for residential or light commercial use. Controls up to 3-stages of heat and 2-stages of cool in a heat pump system and up to 2-stages of heat and 2-stages of cool in a conventional system.

- Thermostat works standalone or with the THM5421R1021 Equipment Interface Module or with the TrueZONE Wireless Adapter.
- Smart Schedule - programs in seconds for any lifestyle.
- Patented interview based programming and installer setup.
- RedLINK™ wireless communication.
- Increase profit per job by including RedLINK™ accessories that provide comfort and convenience. RedLINK™ accessories include the RedLINK™ Internet Gateway, Portable Comfort Control (PCC), Wireless Outdoor Sensor, Wireless Indoor Sensor, Wireless Entry/Exit Remote, Wireless Vent and Filter Boost Remote, TrueSTEAM™ humidifier with Wireless Adapter and TrueZONE® zoning panel with Wireless Adapter.
- Selectable for residential and light commercial applications. Meets commercial code and is title 24 compliant.
- Light commercial - commercial language (occupied and unoccupied), schedule holidays and custom events, remote setback, economizer and time of day. Remote Setback requires the THM5421R1021 Equipment Interface Module.

Applications: Up to 1 Heat/1 Cool heat pump or up to 1 Heat/1 Cool conventional

Display Size: 10 sq in.

Color: Arctic White

Changeover: Auto or Manual

Stages: Up to 4 Heat / 2 Cool Heat Pump or Up to 3 Heat / 2 Cool Conventional when used with the Equipment Interface Module.

Programmability: 7-Day Multiple Day Programming or Non-Programmable

Switch Positions (System): HEAT-OFF-COOL-AUTO

Switch Positions (Fan): AUTO-ON-CIRC-FOLLOW SCHEDULE

Setting Temperature Range: Heat: 40°F to 90°F; Cool 50°F to 99°F (Heat: 4.5°C to 32.0°C; Cool: 10°C to 37.0°C)

Operating Temperature Range: 32°F to 120°F (0°C to 48.9°C)

Operating Humidity Range (% RH): 5 to 90% RH, non-condensing

Power Method: Battery or Hardwired (must be battery powered when used on a millivolt system)

Supply Voltage: 18 to 30 Vac

Frequency: 50 Hz; 60 Hz

Electrical Connections: Screw terminals

Electrical Ratings: 18 to 30 Vac or 750 mV

Dimensions: 4 5/8 in. High, 4 15/16 in. Wide, 1 1/8 in. Deep (118 mm. High, 126 mm. Wide, 29 mm. Deep)

Used With: Works standalone or with optional THM5421R1021 Equipment Interface Module and RedLINK™ accessories

- Plain language setup, no manual needed.
- Alerts and User Interactions Log - Keeps a searchable history of alerts and setting changes to the thermostat to determine if there is a system malfunction or if the issue was caused by a user error. Saves time in troubleshooting and points the technician in the right direction. The Alert and User Interaction Logs are viewable on a computer after you download them from the thermostat to a microSD card.
- Customizable Service Reminders allow dealers to remind their customers when it's time to call for service, when their warranty is expiring and to provide customized alerts.
- MicroSD port for copying the Installer Setup, Customizable Reminders, Custom Events and Holidays to multiple thermostats.
- MicroSD port for adding the dealer's contact information on the screen.
- 1 assignable output on the TH8321 model to control humidification, dehumidification, ventilation or a stage of heating/cooling.
- 3 assignable outputs on the Equipment Interface Module to control humidification, dehumidification, ventilation or a stage of heating/cooling. The TH8110 and TH8320 models require the use of a Wireless Indoor Sensor to control humidification and dehumidification.
- 1 assignable input can be used with a wired outdoor, indoor or discharge sensor.
- 4 assignable inputs on the Equipment Interface Module can be used with wired outdoor, indoor or discharge sensors, occupancy sensor for remote setback and dry contact devices to trip pre-packaged or custom alerts such as a full drain pan or water leak.
- Extend wireless range of the Equipment Interface Module by connecting a THM4000R1000 Wireless Adapter to the ABCD terminals.
- Dual powered - battery or hardwired (C wire).
- Precise temperature control (+/- 1°F) for reliable and consistent temperature.
- Multiple staging options to provide comfort or energy savings.



Accessories:

YTHM5421R1010/U – Prestige® 2-Wire IAQ Equipment Interface Module Kit with 2 Duct Sensors

THM5421R1021/U – Prestige® 2-Wire IAQ Equipment Interface Module

THM6000R1002/U – RedLINK Internet Gateway

THM4000R1000/U – Wireless Adapter for use with RedLINK™ enabled thermostats and TrueZONE™ system

REM1000R1003/U – RedLINK Wireless Entry/Exit Remote

HVC20A1000/U – Wireless Vent and Filter Boost Remote

C7089R1013/U – Senses outdoor temperature and humidity

C7189R1004/U – Wireless Indoor Air Sensor. RedLINK™ enabled.

Senses indoor temperature and humidity

THP2400A1019/U – Coverplate assembly for use with the RedLINK™ VisionPRO®

REM5000R1001/U – Portable Comfort Control

Material Number	Terminal Designations	Stages (when used standalone)	Humidification Setting Range	Dehumidification Setting Range	Includes
TH8110R1008/U	R, RC, C, W-O/B, Y, G, K, S1 S1	Up to 1 Heat / 1 Cool Heat Pump or Up to 1 Heat / 1 Cool Conventional			VisionPRO® 8000 thermostat
TH8320R1003/U	R, RC, C, W-O/B, W2-AUX/E, Y, Y2, G, A-L/A, K, S1 S1	Up to 3 Heat / 2 Cool Heat Pump or Up to 2 Heat / 2 Cool Conventional			VisionPRO® 8000 thermostat
TH8321R1001/U	R, RC, C, W-O/B, W2-AUX/E, Y, Y2, G, A-L/A, K, U1 U1, S1 S1	Up to 3 Heat / 2 Cool Heat Pump or Up to 2 Heat / 2 Cool Conventional	Cooling: 40 to 80% RH. Heating: 10 to 60% RH.	40 to 80% RH.	VisionPRO® 8000 thermostat
YTH8321R1002/U	R, RC, C, W-O/B, W2-AUX/E, Y, Y2, G, A-L/A, K, U1 U1, S1 S1	Up to 3 Heat / 2 Cool Heat Pump or Up to 2 Heat / 2 Cool Conventional	Cooling: 40 to 80% RH. Heating: 10 to 60% RH.	40 to 80% RH.	TH8321R1001 VisionPRO® 8000 thermostat and THM6000R1002 RedLINK™ Internet Gateway

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