

# Programmable Thermostats

## VisionPRO<sup>®</sup> 8000 Touchscreen 7-Day Programmable Thermostat



The VisionPRO Touchscreen Universal Programmable Thermostats provides electronic control of 24 Vac heating and cooling systems or 750 mV heating system.

**Application:** Heat/Cool or Heat Pump without Auxiliary Heat  
**Dimensions, Approximate:** 4 9/16 in. high x 6 in. wide x 1 1/4 in. deep (116 mm x 152 mm x 32 mm)  
**Color:** Premier White®  
**Display Size:** 10 sq in.  
**Programmability:** 7 Day Multiple Day Programming or Non-Programmable  
**Changeover:** Auto/Manual Selectable  
**Electrical Ratings:** 20 to 30 Vac or 750 mV  
**Operating Humidity Range (% RH):** 5 to 90% RH, non-condensing  
**Temperature Setting Range:** Cooling: 50 F to 99 F (10 C to 37 C), Heating: 40 F to 90 F (4.5 C to 32 C)  
**Differential Temperature:** ± 1 F (±0.5 C)  
**Currents (Cooling):** 1.0 A running  
**Currents (Heating):** 1.0 A running

- Large, Clear Display with Backlighting current temperature, set temperature and time are easy-to-read and all are displayed on the home screen
- Menu Driven Programming Guides you through the scheduling process, showing only necessary information and choices on each screen
- Ability to Select Multiple Days allows you to easily customize the thermostat for your unique schedule
- Real-Time Clock keeps time during power failure; automatically updates for daylight saving time
- Armchair Programming allows you to remove thermostat from wall to set the schedule
- Precise Temperature Control (±1 F) reliable, consistent comfort
- Multiple HOLD options allow you to modify schedule indefinitely or for a specific time
- Change Reminders reminds you to service or replace the air filter, humidifier pad, ultraviolet lamp or thermostat batteries
- Adaptive Intelligent Recovery™ - ensures programmed temperature is reached by programmed time
- Temperature range stops - prevents user from setting the temperature too high or too low
- Keypad lockout options for partial or full lockout

**Currents (Fan):** 0.6 A running  
**Frequency:** 50 Hz; 60 Hz  
**Power Method:** Battery or Hardwired  
**Sensor Element:** Thermistor  
**Mounting:** Horizontal  
**Outdoor Sensor:** Yes, optional outdoor or indoor remote

**Accessories:**  
**32003796-001**-Premier White® cover plate 7 7/8 in. x 5 1/2 in. (200 mm x 140 mm)  
**C7089U1006**-Remote Outdoor Sensor  
**C7189U1005**-Remote Indoor Sensor  
**C7735A1000**-Mount on return duct for backup control of non-zoned RedLINK™ enabled wireless systems; Works with the EIM to maintain safe indoor temperatures if power is lost at the wireless thermostat

Product Number	Description	Switch Positions		Terminal Designations	Stages
		System	Fan		
TH8110U1003/U	VisionPRO® Touchscreen 7-Day Programmable 1 Heat/1 Cool Conventional and Heat Pump Thermostat	HEAT-OFF-COOL-AUTO	AUTO-ON-CIRC	R, RC, C, W (O/B), Y, G, S1, S2	Up to 1 Heat/1 Cool
TH8320U1008/U	VisionPRO® Touchscreen 7-Day Programmable with automatic/manual changeover and up to 3 Heat/2 Cool stages for heating and cooling systems	HEAT-OFF-COOL-AUTO-EM.HEAT	AUTO-ON-CIRC	R, RC, C, W-O/B, G, Y, Y2, W2-AUX/E, L, S1, S2	Up to 2 Heat/2 Cool Conventional; Up to 3 Heat/2 Cool Heat Pump
TH8321U1006/U	VisionPRO® Touchscreen 7-Day Programmable 3 Heat/2 Cool Conventional and Heat Pump Thermostat with Dehumidification Control	HEAT-OFF-COOL-AUTO-EM.HEAT	AUTO-ON-CIRC	R, RC, W (O/B), W2 (AUX), Y, Y2, L, E, G, C, S1, S2	Up to 2 Heat/2 Cool Conventional; Up to 3 Heat/2 Cool Heat Pump
TH8321U1097/U	VisionPRO® Touchscreen 7-Day Programmable 3 Heat/2 Cool Conventional and Heat Pump Thermostat with Dehumidification Control	HEAT-OFF-COOL-AUTO-EM.HEAT	AUTO-ON-CIRC	R, C, W (O/B), W2 (E/AUX), Y, Y2, G, L, U1, U1, S1, S2	Up to 2 Heat/2 Cool Conventional; Up to 3 Heat/2 Cool Heat Pump