

The Most Innovative Thermostat in the World brings you ***The Power of 3.***

# C3

**CLIMATOUCH**



***Comfort***

***Control***

***Convenience***

Climatouch™ C<sup>3</sup> is a touch-screen operated thermostat with an intuitive graphic user interface. Its revolutionary features and environmental comfort controls are conveniently accessible with the touch of a finger. Climatouch™ C<sup>3</sup> makes it possible to easily configure and operate any HVAC system with simplicity and precision.

***2-Year Warranty***

***Climatouch***

# Optimal Comfort, Control and Convenience that Reflect your Choices and Schedule

Universal, user-friendly installation that provides quick yet complete integration with Gas, Oil, Electric, Heat Pump, Air Conditioning and Multistage HVAC systems. From 1 to 5 fully configurable control stages (3 heating + 2 cooling) effective and flexible in simple residential systems or multiple stage commercial environments.

Comprehensive programming for each day of the week, 4 periods per day, with copy option to quickly create the same custom comfort settings on different days. As well the fan can be programmed to run automatically, intermittently or upon request.

Smart logic AUTO MODE simplifies the programming of the desired comfort settings. The thermostat will automatically select heating or cooling to maintain the set point temperature.

High Precision staging controls deliver advanced comfort and control (+/- 1°F).

All-season humidity control (Model CT03TS32H) provides independent management of humidifier or de-humidifier relays for precise comfort. The Climatouch™ C<sup>3</sup> offers variable fan-speed dehumidification in addition to control of separate dehumidifiers, steam, drum humidifiers, as well as air exchangers.

Clear and easy to read LCD display, works in all lighting conditions. The NIGHT REVERSE feature is automatic.

Clock updates automatically to daylight savings time plus power-failure protection, no need to re-program the comfort settings after a power outage.

Energy efficient VACATION MODE saves energy and money without having to compromise comfort by restoring normal settings on the day of return.

Two levels of security settings provide integrated multi-level security. The Climatouch™ C<sup>3</sup> prevents unauthorized use or configuration changes: FULL LOCK prevents accessing any control options or settings without entering a customizable 4 digit PIN. PARTIAL LOCK allows changing only the temperature set point without entering the PIN.

FILTER MONITOR maintains the highest level of indoor air quality plus user programmable interval reminders to change the air filter.

Create custom INSTALLER MESSAGE, up to 42 characters, to advise the user of important scheduled maintenance periods.



# Advanced Capabilities Deliver Comfort with Energy Savings

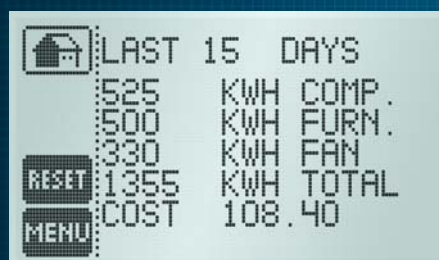


Climatouch™ C<sup>3</sup> is the first digital thermostat equipped with humidity sensor and controller (Model CT03TS32H). The DEHUMIDIFY and HUMIDIFY feature controls and maintains the relative humidity of the room at a specific set point, saving energy by reducing compressor on time.

An independent, humidifier fan relay control enables the fan for steam type humidifiers and disables the fan for drum type humidifiers. 2 separate configurable humidify/dehumidify relays in one synchronized thermostat.

Dehumidify control in cooling mode enables energy savings by operating the compressor to provide greater comfort at higher ambient indoor temperatures.

Complete environmental status reporting by accurately displaying the outdoor temperature with the optional outdoor wireless temperature transmitter (Model 217S31). No additional installation or configuration of the Climatouch™ C<sup>3</sup> thermostat is needed.



ENERGY WATCH feature acts as an HVAC energy calculator. It monitors kilowatts-per-hour (kWh) consumption and calculates the cost of operating the HVAC system.



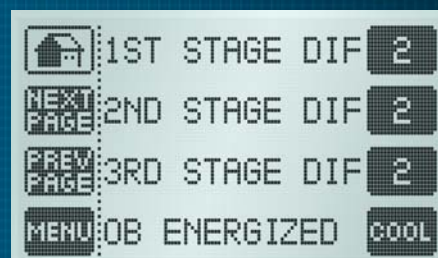
“Set and Forget” programming provides a common sense menu which guides you easily through setting the thermostat, so straightforward no instruction manual is needed.



A SIMPLE MODE interface for non-programmable usage is built into Climatouch™ C<sup>3</sup>. It hides all advanced features, providing a larger display of time, room temperature, humidity and temperature set point.



Adjustable “time out” for multistage HVAC systems automatically turns on the second stage for demanding days. This unique timeout feature triggers the second stage for additional heat/cool assistance after the preset time if differential settings are not reached.



Adjustable differential settings for multistage installations provides precise control of each stage.



Heat pump protection circuit safeguards the compressor from damage when Stage II heating is located upstream of the evaporator.



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**Physical Dimensions**

Case: 5.75" x 4.75" x 1.25"  
(145mm x 120mm x 30mm)  
Display: 3.625" x 2.125"  
(95mm x 55mm)

**Electrical Rating**

24 volt AC/DC  
Class 2 maximum 4 amps  
Temperature Accuracy +/-1°F degree  
Humidity Accuracy +/- 5%RH

**Terminal Connections**

CTO3TS21: C, Y2, R, O/B/W, W2, G, Y1  
CTO3TS32: C, Y2, R, O/B/W, W2, G, Y1  
CTO3TS32H: C, Y2, R, O/B/W, W2, G, Y1, DH, H

**Compatibility Chart**

Gas, Oil, Electric, Heat Pump, Air Conditioning and Multistage HVAC Systems (3 heating + 2 cooling)

- Single Stage Heating and Cooling ✓
- Multistage Heating and Cooling ✓
- Heating Only ✓
- Cooling Only ✓
- Furnace (Warm Air) ✓
- Central Air Conditioning ✓
- Heat Pump with Auxiliary Heat ✓
- Heat Pump without Auxiliary Heat ✓



US PAT:  
6,824,069; 6,786,421;  
Other Patents Pending.

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Technical support responds to your needs and provides quality service assistance from 9:00AM to 5:00PM, Monday through Friday, Eastern Standard Time.