



Control  
your space.

Control  
your savings.

# TEC3000

Smart Equipment Thermostat Series  
*Configurable HVAC Equipment Controller*



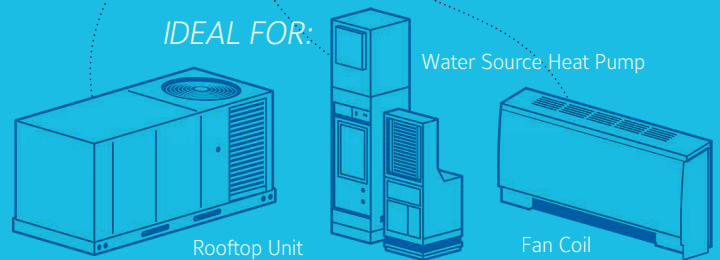
## Introducing the all-new TEC3000 Smart Thermostat Series.



### MORE CONTROL.

With the TEC3000 Smart Thermostat Series, you can expect efficient commissioning and innovative application configurations for rooftop, fan coil and heat pump equipment. Available in communicating (wired or wireless) or stand-alone versions, the TEC3000 Series provides control of:

- Local hydronic reheat valves
- Pressure-dependent VAV equipment with or without local reheat
- Two- or four-pipe fan coils
- Cabinet unit heaters
- Zoning equipment using an on/off, floating, or 0 to 10 VDC proportional control input
- Unitary rooftop units with or without economizers and heat pumps





## Quick Setup

### **USB Port Configuration**

Set-up and replacement is simple with USB port, MAP and Verasys® Controls System. All models include a convenient USB port that reduces installation time by allowing simple backup and restoration of features from a USB drive, which enables rapid cloning of configuration between common units.

## Clear Communication

### **Backlit Full-Color Liquid Crystal Display (LCD) and Configurable Touch Screen**

All models feature an intuitive color backlit display that makes setup and operation quick and easy. The new display offers real-time control status of the environment in easy-to-read, plain text messages with an adjustable backlight that brightens during user interaction. The configurable touch screen allows you to limit the user interaction with the thermostat controller display based on specific energy policies.

## Energy Savings

### **Programmable Scheduling and Occupancy Sensors**

Simple programmable scheduling helps keep occupants comfortable while you save energy. Models with built-in occupancy sensing capability maximize up to 30% energy savings in high-energy usage commercial buildings—such as schools and hotels—during occupied times by using additional standby setpoints.

## Multiple Fan Configurations

- **Single-speed**
- **Multi-speed (two or three discrete speeds)**
- **Variable-speed/EC motors (0 to 10 VDC control)**

Some models support dehumidification on two-pipe fan coil units with reheat, and four-pipe fan coil units with or without reheat. When no heating is required, the thermostat controller monitors space humidity and activates dehumidification control as necessary. Heat and/or reheat is used as required to maintain the space temperature. For optimal dehumidification performance, use a fan coil unit that has a multi-speed or variable-speed fan.



## AVAILABLE MODELS



### **NETWORKED MODELS**

Feature a field-selectable Building Automation System BACnet MS/TP or N2 communication capability that enables remote monitoring and programming for efficient space temperature control.



### **WIRELESS CONTROLLERS**

Pair with Johnson Controls ZFR Pro Series system's wireless gateways and controllers to create a wireless mesh network that allows the exchange of data between the ZFR network and a network engine using standard BACnet IP communications.



### **STANDALONE CONTROLLERS**

Non-communicating models provide the same applications and control, but are not enabled to communicate over a wired or wireless network.

## TECHNICAL FEATURES

- **Two Configurable Binary Inputs** provide additional inputs for advanced functions such as remote night setback, service or filter alarms, motion detector, and window status, and configures the application to respond accordingly.
- **Field-Selectable BACnet MS/TP or N2 Networked Communication** simplifies the upgrade from N2 networked communication to BACnet MS/TP networked communication without changing hardware.
- **End-of-Line Switch** simplifies the layout and installation of communication buses.
- **Mobile Access Portal (MAP) Gateway Compatibility** (MAP 4.0 or Later) and Verasys Smart Equipment Compatibility allows the user to view equipment and control conditions using mobile devices.
- **Networked Models Fully Compatible** with any BACnet building automation system such as *Metasys*® and *Facility Explorer*® by Johnson Controls.
- **Onboard Occupancy Sensor** provides energy savings in high-energy usage commercial buildings without additional installation time or cost.
- **On/Off, Floating, Proportional 0 to 10 VDC, and Single-or Two-Stage Control**—offers additional application flexibility by providing more advanced control signals.
- **Integral Humidity Sensor** monitors space humidity and activates dehumidification control on two-pipe fan coil units with reheat and four-pipe fan coil units with or without reheat.
- **Full Line of Remote TE-6300 Series Temperature Sensors** supports a wide range of remote temperature sensing needs from a single supplier.
- **Programmable in 7 languages:** English, Spanish, French, German, Italian, Dutch, and Portuguese
- **Available in 2 colors:** black and white



## Featuring Verasys and Smart Equipment Technology

*Verasys* can identify and leverage Smart Equipment from Johnson Controls or any other manufacturer. It takes full advantage of the Smart Equipment technology on the thermostat by providing real-time performance data with cloud-based data analytics, seamless connections with no special programming tools an increased control for greater efficiency, extended life and reduced operating costs.



## COMPATIBLE ACCESSORIES FOR MORE CONTROL

Wall Plate Plaque Murale  
TEC-WALLPLT

Flush-mount temperature sensor  
TE-6300F Series

Duct-mount temperature sensor  
TE-6300M Series



Choose 135 years of experience and reliability.

Johnson Controls invented the room thermostat 135 years ago. Since then, we've become a global diversified technology leader in more than 150 countries. We developed the TEC3000 Smart Equipment Thermostat Series in pursuit of our goal to help everyone live more productive, healthier, more enjoyable, and more efficient lives.

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