

TEC3000

Stand-alone, BACnet® MS/TP or N2 Networked

The TEC3000 Color Series Thermostat Controllers are stand-alone and field-selectable BACnet® MS/TP or N2 networked devices that provide on/off, floating, and proportional control of the following:

- Local hydronic reheat valves
- Pressure-dependent VAV equipment with or without local reheat
- Two- or four-pipe fan coils
- Cabinet unit heaters
- Other zoning equipment using an on/off, floating, or 0 to 10 VDC proportional control input
- Single- or two-stage control of unitary rooftop units (RTUs)
- Single- or two-stage control of RTUs with economizers
- Single- or two-stage control of heat pumps
- Single- or two-stage control of heat pumps with economizers

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.

Field-Selectable BACnet® MS/TP or N2 Networked Communication (TEC36xx-1x-000 Models)

- Simplifies the upgrade from N2 networked communication to BACnet® MS/TP networked communication without changing hardware.

USB port configuration

- Rapidly clone the configuration between like units through simple backup and restore features from a USB drive to reduce installation time.

Programmable in seven languages

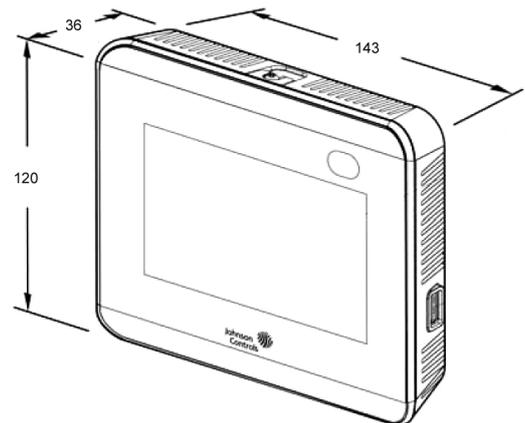
- Provides English, Spanish, French, German, Italian, Dutch, Portuguese (requires a downloadable language pack)

Backlit full-color liquid crystal display (LCD)

- Offers an intuitive color backlit display that makes setup and operation quick and easy. The new display features on all models and offers real-time control status of the environment in easy-to-read, plain text messages with an adjustable backlight that brightens during user interaction.



Dimensions (in mm)



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Configurable touchscreen UI

- Facility managers can limit the user interaction with the thermostat controller display based on specific energy policies.

Various models available

- Offers models in modern black (*hex #2d2926 or RAL 9017*) or white (*hex #F4F5F0 or RAL 9016*) highgloss designs with or without the Johnson Controls logo.

End-of-line switch

- Simplifies the layout and installation of communication buses.

Mobile Access Portal (MAP) Gateway compatibility (MAP Release 4.0 or later)

- View the equipment and control the conditions through your mobile devices.

Onboard occupancy sensor (TEC3031-1x-000 and TEC3xx3-1x-000 Models)

- Provides energy savings in high-energy usage commercial buildings without additional installation time or cost.

Integral humidity sensor

- Monitors space humidity on all models. Activates dehumidification control on two-pipe fan coil units with reheat and four-pipe fan coil units with or without reheat.

Multiple fan configurations for fan coil equipment types

- Provide fieldselectable single-speed, multi-speed, and variable-speed fan control capabilities.

Full line of remote TE-6300 Series Temperature Sensors

- Support a wide usage commercial buildings without additional installation time or cost.

Built-in schedule object

- Allows all wireless and wired models of thermostat controllers to be scheduled as stand-alone devices; allows wireless and BACnet® MS/TP models to be defined and adjusted through the building automation system.

Optimal start

- Allows each thermostat controller to anticipate the heating or cooling needs of a space by starting the equipment early enough to reach the setpoint at the beginning of the scheduled occupancy.

Auto-tuned control loops

- Reduce commissioning time, eliminate change-of-season recommissioning, and reduce wear and tear of the mechanical devices.

Load shed

- Commands a load shed input to offset the heating and cooling setpoints by a fixed amount on networked models. The change rate of the setpoints is adjustable. The load shed feature is in place to help satisfy the California Title 24 requirements that are defined in joint appendix JA5, section JA5.2.4 for demand signal response. The trigger for this event is defined in another controller and passed through the network command.

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Ordering information

Codes	Control Output	Color	JCI Logo
TEC3312-13-000	Stand-alone thermostat, FCU/VAV, ON/OFF or Floating, Dehumidification, Full color	Black	■
TEC3312-14-000	Stand-alone thermostat, FCU/VAV, ON/OFF or Floating, Dehumidification, Full color	White	■
TEC3313-14-000	Stand-alone thermostat, FCU/VAV, ON/OFF or Floating, Occupancy & Dehumidification, Full color	White	■
TEC3322-13-000	Stand-alone thermostat, FCU/VAV, 0-10VDC Proportional, Dehumidification, Full color	Black	■
TEC3322-14-000	Stand-alone thermostat, FCU/VAV, 0-10VDC Proportional, Dehumidification, Full color	White	■
TEC3323-14-000	Stand-alone thermostat, FCU/VAV, 0-10VDC Proportional, Occupancy & Dehumidification, Full color	White	■
TEC3330-13-000	Stand-alone thermostat, RTU/heat pump with Economizer, Full color	Black	■
TEC3330-14-000	Stand-alone thermostat, RTU/heat pump with Economizer, Full color	White	■
TEC3331-14-000	Stand-alone thermostat, RTU/heat pump with Economizer, Occupancy Sensor, Full color	White	■
TEC3612-13-000	MS/TP or N2 Thermostat, MSTP or N2, FCU/VAV, ON/OFF or Floating, Dehumidification, Full color	Black	■
TEC3612-14-000	MS/TP or N2 Thermostat, FCU/VAV, ON/OFF or Floating, Dehumidification, Full color	White	■
TEC3613-14-000	MS/TP or N2 Thermostat, FCU/VAV, ON/OFF or Floating, Occupancy & Dehumidification, Full color	White	■
TEC3622-13-000	MS/TP or N2 Thermostat, FCU/VAV, 0-10VDC Proportional, Dehumidification, Full color	Black	■
TEC3622-14-000	MS/TP or N2 Thermostat, FCU/VAV, 0-10VDC Proportional, Dehumidification, Full color	White	■
TEC3623-14-000	MS/TP or N2 Thermostat, FCU/VAV, 0-10VDC Proportional, Occupancy & Dehumidification, Full color	White	■
TEC3630-13-000	MS/TP or N2 Thermostat, RTU/heat pump with Economizer, Full color	Black	■
TEC3630-14-000	MS/TP or N2 Thermostat, RTU/heat pump with Economizer, Full color	White	■
TEC3631-14-000	MS/TP or N2 Thermostat, RTU/heat pump with Economizer, Occupancy Sensor, Full color	White	■