

Keep it simple.
Comfortable.
And energy efficient.



TEC ZONING CONTROL SYSTEM

The TEC Zoning Control System is a cost-effective product for constant volume, pressure dependent zoning systems with multi-zone heating and cooling applications. The TEC Zoning Control System has a fully scalable network architecture utilizing BACnet® MS/TP. It can operate as a standalone zoning system, or it can operate with a Building Automation System (BAS) that enables remote monitoring and programmability. This system is designed for retrofit projects and new construction. Typical applications include banks, retail facilities, churches, restaurants, office buildings and other multi-tenant buildings.

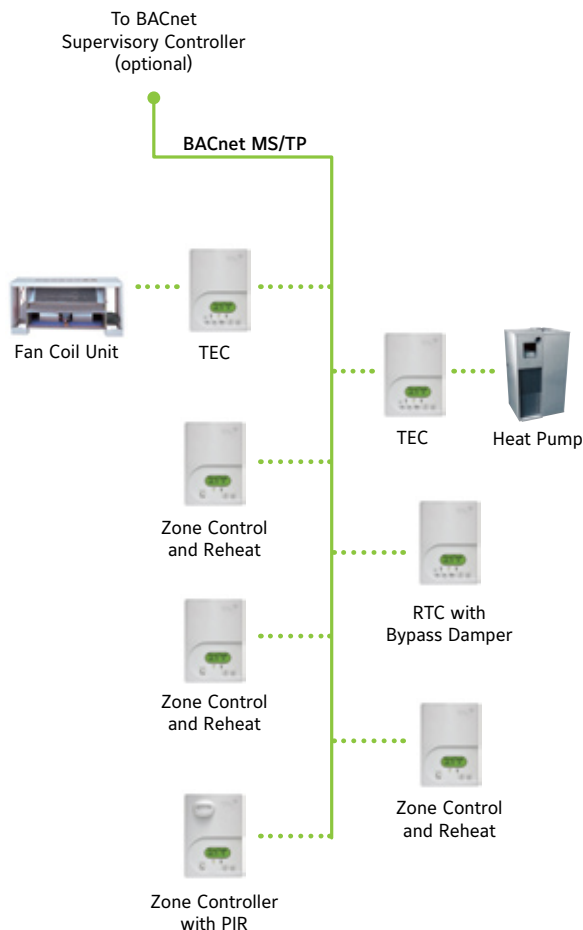
System Components

- TEC2664Z-2 Rooftop Controller (RTC)
- TEC2647Z-2 Zone Controller (ZC)
- TEC2647Z-2+PIR Zone Controller with Occupancy Sensor

Together, the rooftop controller and the zone controller provide efficient space temperature control to multiple zones. This system uses standard BACnet objects for automatic 'self-binding' ZC-to-RTC configuration and communicates in a peer-to-peer manner. Pre-configured sequences reduce the need for programming and eliminates flash downloading.

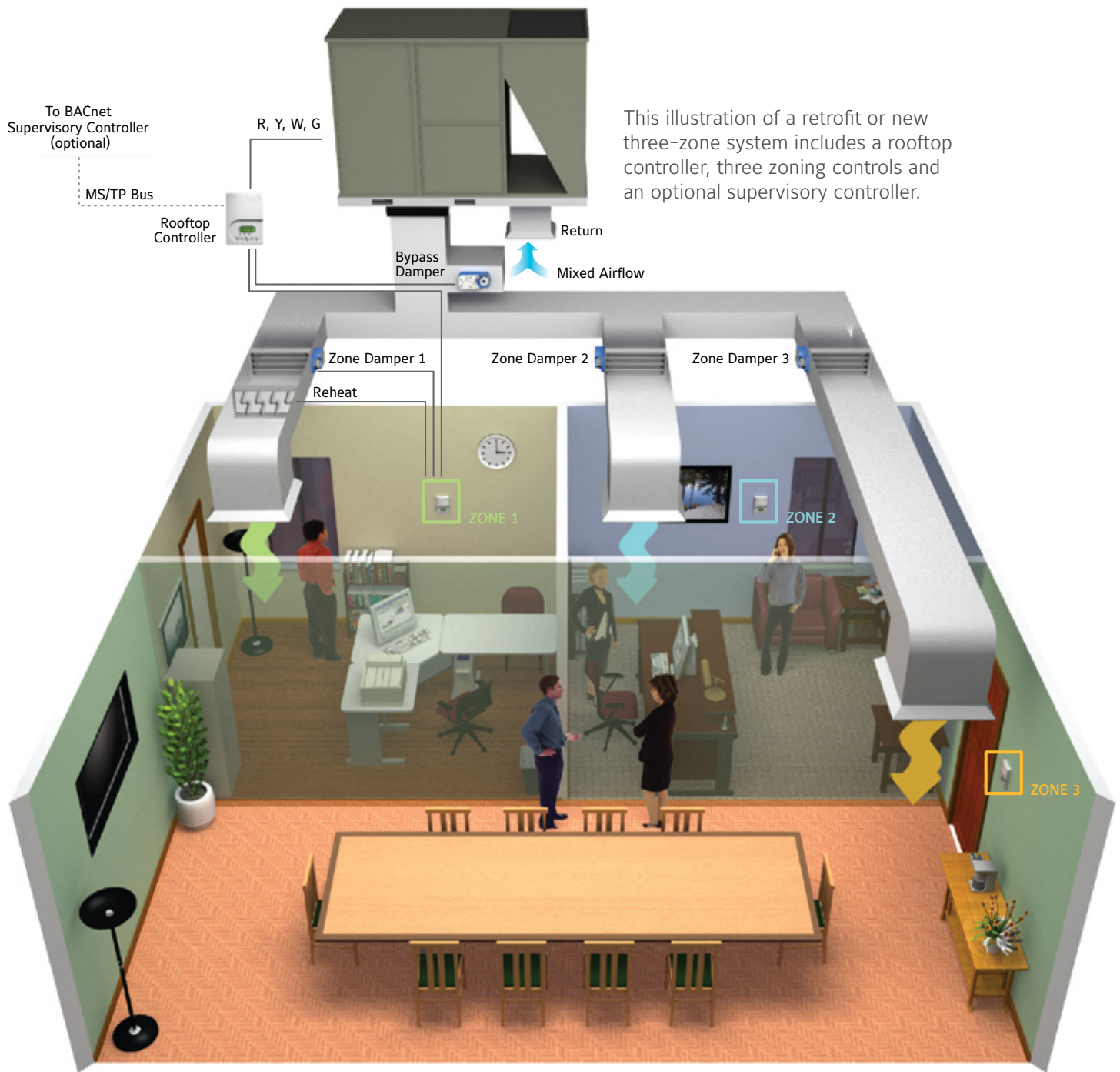


The TEC Zoning Control System is ideal for light commercial buildings.



Additional features of this system:

- RTC and ZC feature intuitive user interface with backlit display that makes setup and operation quick and easy
- Uses existing TEC controller technology for ease of installation
- No configuration tool needed – just set a few parameters to get the system up and running
- Several configurable parameters – enabling system to adapt to zoning applications with varying requirements
- Onboard Occupancy Sensor – provide energy savings without additional installation time or cost



This illustration of a retrofit or new three-zone system includes a rooftop controller, three zoning controls and an optional supervisory controller.



Rooftop Control Unit
Controls Rooftop and Provides Supervisory Functions

TEC2664Z-2 Rooftop Controller

- Controls up to two stages of heating and two stages of cooling.
- Controls the bypass damper to maintain air pressure in the duct.
- Schedules occupied and unoccupied times when desired.
- Multiple zone demand strategies determine heat or cool modes.
- Keypad lockout levels to avoid tampering.



Zone Controllers
Provide Local Digital User Interface

TEC2647Z-2+PIR Zone Controller

- Onboard occupancy sensor minimizes number of components to install
- Occupancy sensor offers efficient setpoint strategies

TEC2647Z-2 Zone Controller

- Contains LCD display and temperature sensor.
- OVERRIDE key to override schedule.
- 0 to 10 VDC control of pressure dependent VAV equipment.
- On/off or 0 to 10 VDC control of local reheat.
- A 'get from' parameter allows you to copy parameter values from another zone controller.

TEC ZONING SYSTEM COMPONENTS

| PRODUCT CODE | CONTROL DESCRIPTION |
|----------------|---|
| TEC2664Z-2 | Controls up to two stages heat / two stages cool for rooftop, proportional bypass damper, fan, zone demand strategies |
| TEC2647Z-2 | Proportional zone damper, on/off or proportional reheat |
| TEC2647Z-2+PIR | Occupancy sensing and controls proportional zone damper, on/off or proportional reheat |

ACCESSORIES

| PRODUCT CODE | DESCRIPTION |
|-----------------|---|
| TEC-7-PIR | Occupancy sensor cover either replaces an existing TEC2647Z-2+PIR cover or converts a non-PIR TEC2647Z-2 to have occupancy sensor capability |
| TE-6363P-1 | Outdoor air temperature sensor (10K NTC) |
| TE-6361M-1 | Duct mount air temperature sensor (metal enclosure) |
| DPT2650-005D-AB | Duct static pressure transmitter (24 VAC power, 0-5" wc input, 0-5 VDC out) |
| MS-BACEOL-O | BACnet end of the line terminator |
| ZOVSD | Rectangular damper with a factory-installed Johnson Controls M9104-GGA-3 Electric Actuator for proportional zoning applications. Widths (www) are available from 8 in. / 20.3 cm (008) to 30 in./76.2 cm (030) in 1 in./2.5 cm increments. Heights (hhh) are available from 6 in./15.2 cm (006) to 30 in./76.2 cm (030) in 1 in./2.5 cm increments. Example: To order a rectangular damper assembly measuring 8 in./20.3 cm wide by 6 in./15.2 cm high, use code number ZOVSD-008X006. |
| RZGddPNNO | Round damper with a factory-installed Johnson Controls M9104-GGA-3 Electric Actuator for proportional zoning applications. Diameters (dd) are available from 6 in./15.2 cm (06) to 18 in./45.7 cm (18) in 1 in./2.5 cm increments. Example: To order a round damper assembly measuring 6 in./15.2 cm in diameter, use code number RZG06PNNO. |
| SEN-600-1 | Remote Indoor Air Temperature Sensor |
| SEN-600-4 | Remote Indoor Air Temperature Sensor with Occupancy Override and LED |

BACnet® is a registered trademark of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).

Printed on recycled paper.

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www.johnsoncontrols.com

