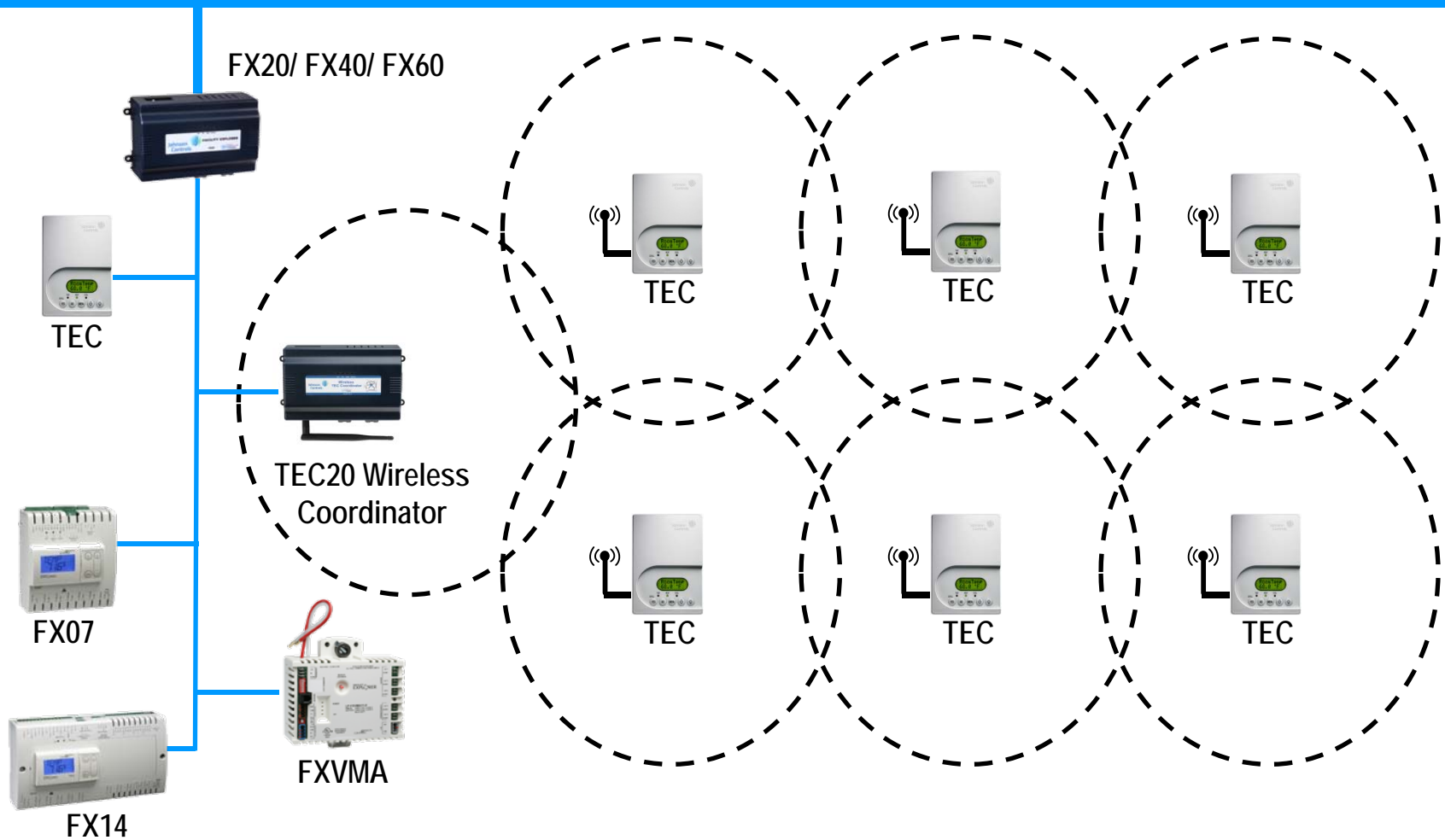


See more...Do more.



Wireless TEC System Overview



Wireless TEC System Features & Benefits

- Allows a network of TECs to be managed by FX20/FX40/FX60 Supervisory Controllers **without any communication wiring**
 - Provides quick, easy, and economical installation
 - Minimized wiring
 - Lessens the challenges of installing devices, particularly where conventional wiring is difficult or cost prohibitive:
 - Sites requiring aesthetic or historic preservation
 - Buildings constructed with materials such as solid walls/ceilings, temporary walls, decorative surfaces
 - Huge retrofit opportunities
 - For facilities using electro-mechanical stats, upgrading it to a full BAS is easy:
 - Re-use existing stat wiring
 - No network wiring required



Wireless TEC System Technology

- ZigBee™
 - 2.4 GHz
 - IEEE 802.15.4
 - Resilient, self-healing mesh network
 - Scalable
 - Home Automation Profile
 - Uses channels 15, 20 and 25
 - Does not interfere with WiFi

Wireless TEC System Components

- TEC20 Wireless TEC Coordinator
 - ZigBee Coordinator
 - Enables the integration of the Wireless TEC points into the FX20/FX40/FX60 Supervisory Controller as BACnet objects
 - Two Models Provide Choice of BACnet Networking Type:
 - BACnet MS/TP
 - BACnet IP
 - Configuration software included
 - Integral or Remote Mount Antenna
- FX20/FX40/FX60
 - Licensed with the BACnet MS/TP or IP Client driver
 - BACnet integration



Wireless TEC System Components

- Wireless TEC2xxx Thermostats
 - Provide local control over various types of mechanical HVAC equipment
 - Packaged rooftop units
 - Fan coils
 - Cabinet unit heaters
 - Perimeter heating
 - Zoning equipment
 - Configuration via onboard keypad/display
 - Communicate wirelessly to each other and to the TEC20 Wireless Coordinator

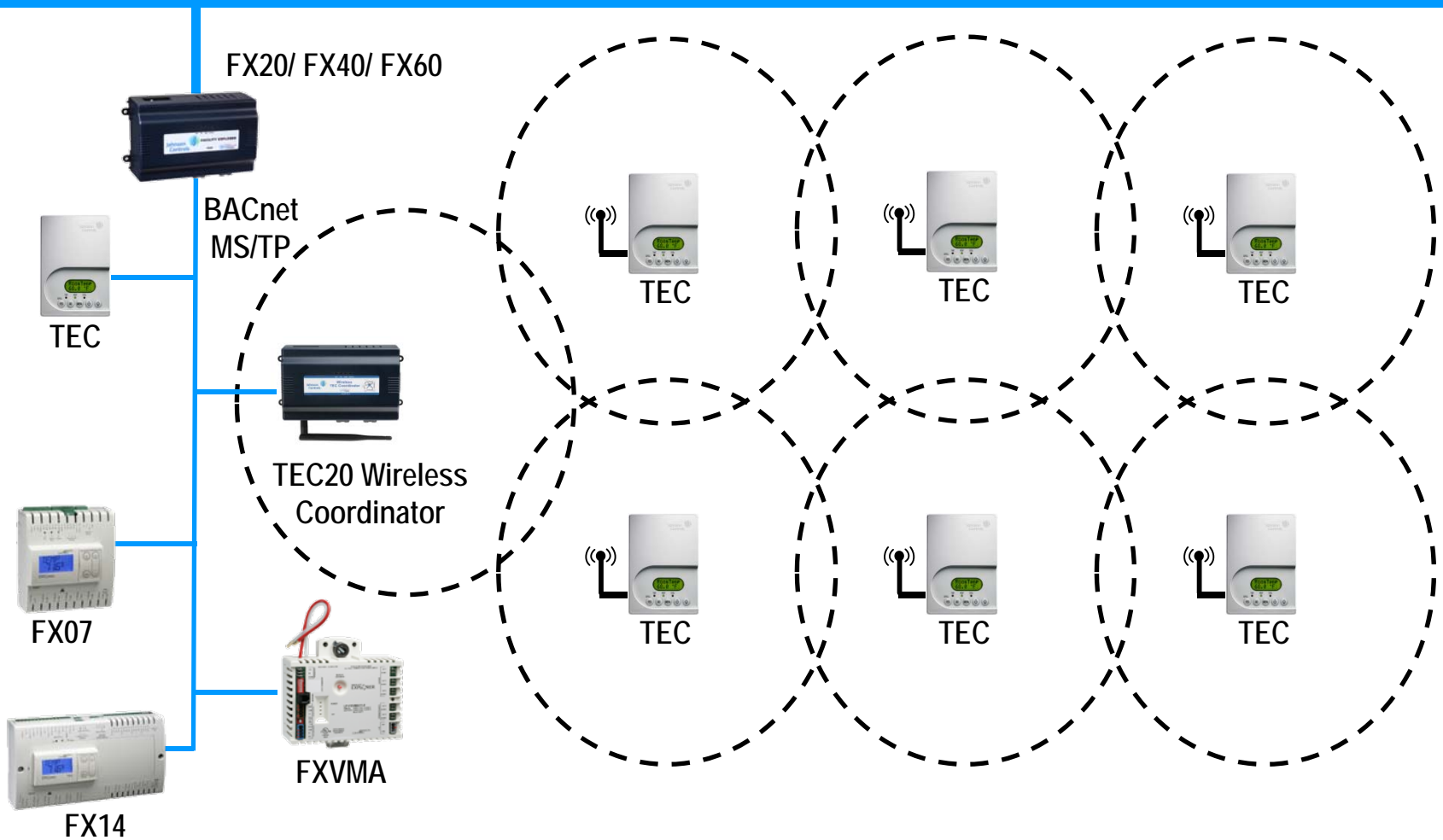


Wireless TEC System Components

- Wireless TEC Networking Capabilities:
 - Integral antenna
 - Act as Zigbee wireless routers
 - Serve as children to the TEC20 Wireless Coordinators
 - Up to 30 Wireless TECs per TEC20 Coordinator
 - Transmission Ranges
 - 30m (100 ft.) through open space
 - 10m (30 ft.) through walls
 - Can be used as repeaters to extend range and/or provide redundant pathways
 - LED indication of reliable wireless communication



Wireless TEC Architecture-BACnet MS/TP



Wireless TEC Architecture-BACnet IP

