



VWG-50 Wireless Gateway and VT7000 Wireless Controllers

Bringing the Flexibility of Wireless to your Wired System

The high installation costs associated with passing new field communication wiring for building retrofit projects has always been one of the principal deciding factors that ultimately determines whether a building upgrade is feasible or not. In many cases, wiring costs associated with building upgrades deems a project as being cost prohibitive and often leaves older buildings with no other option but to keep functioning with inefficient controls with little to no capacity for energy savings.

The Viconics VWG-50 Wireless Gateway and VT7000 associated Wireless Temperature Controllers have been specifically designed to target building retrofit opportunities where the installation of new communicating field bus wiring within an existing space is cost prohibitive. This new cost-effective wireless solution opens up possibilities that until now were simply dismissed as being non-viable.

The Viconics VWG-50 Wireless Gateway and VT7000 Wireless Controllers provide a significant reduction in overall installation costs by eliminating the need for field communication wiring, and allowing the existing equipment-to-controller wiring infrastructure already in place to be reused for the VT7000 Wireless Controllers.

No special tools or training is required when using the VWG-50 Wireless Gateway. Network discovery is automatic with only a few simple settings required via the VT7000 controller's user interface and the VWG-50 web configuration interface. Once the settings are applied, the wireless gateway provides familiar BACnet® MS/TP or BACnet® IP connectivity to your preferred automation system.

For more information on this and other Viconics control solutions, please visit us at www.viconics.com



VWG-50 Wireless Gateway



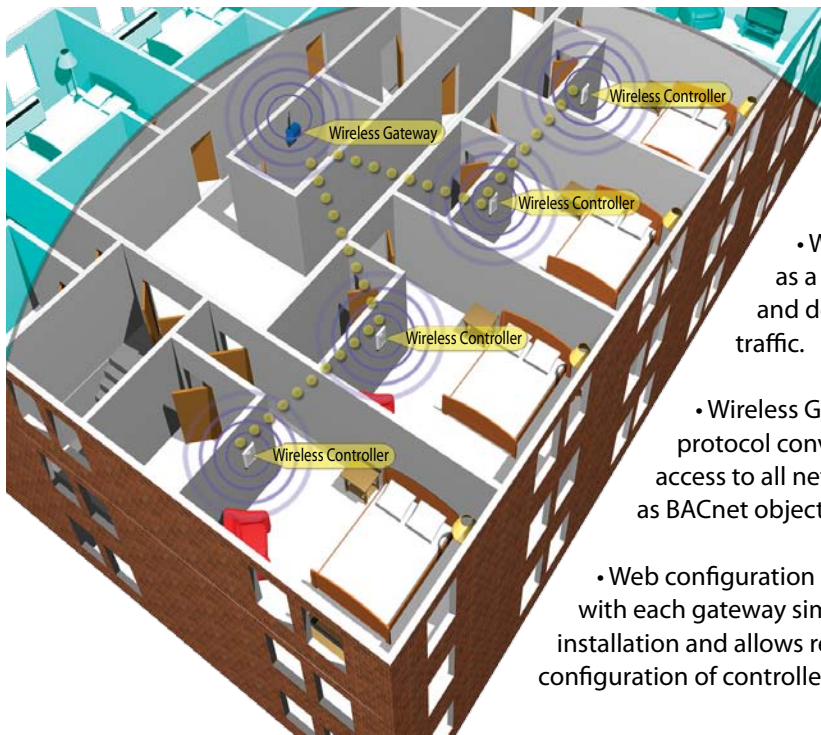
VT7000 Controllers with Optional (PIR) Motion Sensor



Features and Benefits of the VWG-50 Wireless Gateway and VT7000 Controllers

Features	Benefits
One VWG-50 Wireless Gateway supports up to 50 VT7000 wireless temperature controllers	Supports 20 more controllers than the previous generation gateway with no new communication wiring required
VWG-50 Wireless Gateway performs auto discovery of wireless controllers	No special tools or training are required
Provides BACnet® MS/TP or IP connectivity	Integrates into your preferred BACnet® automation system
VT7000 network controllers function as standalone units if no network is present	Provides failsafe default functionality if network connectivity is offline and eliminates the need for any additional communication wiring

Typical Single Floor View of Wireless Mesh Network



- Controllers communicate with each other wirelessly via mesh network.

- Wireless Gateway is used as a data access point only, and does not manage network traffic.

- Wireless Gateway acts as protocol converter, allowing access to all network information as BACnet objects.

- Web configuration utility provided with each gateway simplifies installation and allows remote configuration of controllers.