

VWG SERIES

Wireless Gateway with BACnet Protocol



VWG-50-5000

The VWG Series Wireless Gateway and related wireless thermostats are targeted for retrofit applications where the addition of communication wiring within the building space is prohibitive.

The Gateway and Communicating Thermostats with wireless field bus encourages the use of existing wiring used by existing electronic thermostat type controls.

The VWG-50-5000, when used in conjunction with the VTxxxxXxxxxW Series wireless thermostats, offers simple BACnet IP, or BACnet MS/TP objects to integrate over standard building automation systems using familiar integration toolsets. Up to 50 thermostats are supported by a single gateway.

SPECIFICATIONS

Platform	PowerPC 405EP 250 MHz processor, 64 MB SDRAM and 64 MB serial flash, 128 kB static RAM, battery backup (5 min. typical; shutdown begins within 10 sec.); Real-time clock: 3-month backup max. via battery
Operating System	QNX RTOS; IBM J9 JVM Java Virtual Machine; NiagaraAX
Communications	2 Ethernet ports - 10/100 Mbps (RJ-45 connectors); 1 RS-232 port (9-pin D-shell connector); 1 RS-485 non-isolated port (3 screw connector on baseboard)
Power Supply	VWG-PS-AC 120 Vac to 15 Vdc with cord
Chassis Construction	Plastic, DIN rail or screw mounted; Cooling: internal air convection

ENVIRONMENT

Operating Temp Range	0 to 50 °C (32 to 122 °F)
Storage Temperature Range	0 to 60 °C (32 to 140 °F)

Supports up to 50 thermostats

Supports up to 50 thermostats per gateway, satisfying most project requirements

Auto-discovery

Auto-discovery of network nodes...simple setup and operation reduces installation costs

Wireless

Wireless network interface eliminates the need for communication wiring

Fully redundant

Thermostat operates separately from network connection... fully redundant automation with minimal downtime

Relative Humidity Range	5 to 95% non-condensing
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WARRANTY

Limited Warranty	2 years
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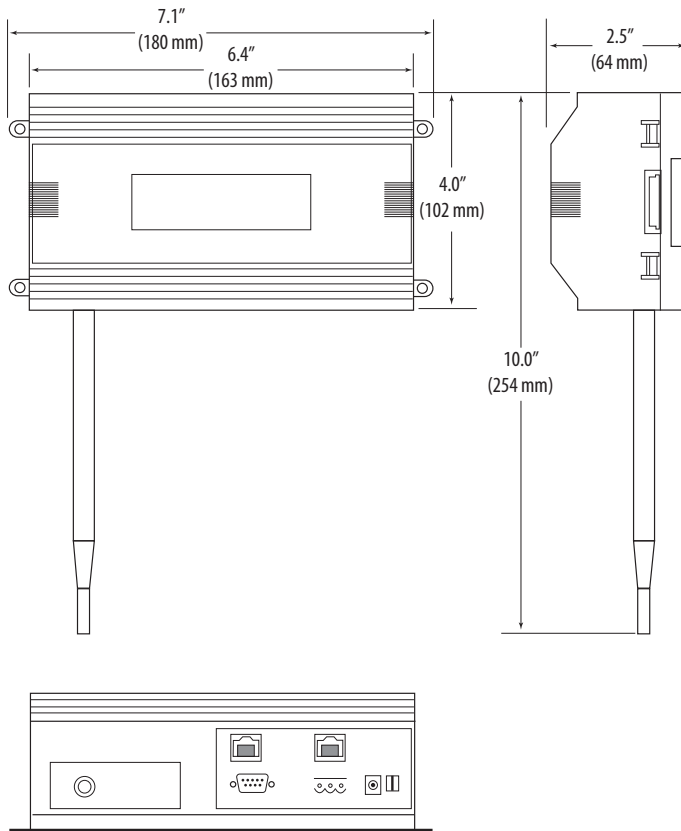
AGENCY APPROVALS



*The CE mark indicates RoHS2 compliance.



DIMENSIONAL DRAWING



ORDERING INFORMATION

MANUF. PART #	ORDERING #	DESCRIPTION
VWG-RA-1000	U011-0004	Wireless Gateway - Remote antenna
VWG-WA-1000	U011-0005	Wireless Gateway - Replacement whip antenna (supplied with gateway)
VWG-PSEU-AC120-1000	U011-0007	Power Supply for Wireless Gateway - 24 Vac to 15 Vdc European plug mount adapter power supply
VWG-PSNA-AC120-1000	U011-0008	Power Supply for Wireless Gateway - 120 Vac to 15 Vdc North American plug mount adapter power supply
VWG-BB-1000	U011-0009	Wireless Gateway - Replacement battery for backup (supplied with gateway)
VWG-50-5000	U011-0011	Wireless Gateway - BACnet MS/TP and IP