

Communicating Humidistat/ Thermostat Wireless Gateway



VWG-40

DESCRIPTION

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-40-XX-1000, when used in conjunction with the VT7xxxXxxxW Series wireless thermostats, offers simple BACnet IP, BACnet MS/TP Objects, or Lontalk SNVT interface to integrate over standard building automation systems using familiar integration toolsets. Up to 40 thermostats are supported by a single gateway.

FEATURES

- Supports up to 40 thermostats per gateway...satisfies most project requirements
- BACnet/Lon models available...integrates to a wide variety of industry automation systems
- Auto-discovery of network nodes...simple setup and operation...reduces installation costs
- Wireless network interface...eliminates need for communication wiring
- Thermostat operates separately from network connection...fully redundant automation with minimal downtime
- Uses existing equipment wiring to power thermostat...no batteries to service

SETPPOINT DEVICES

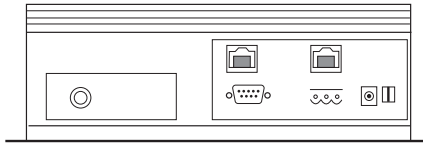
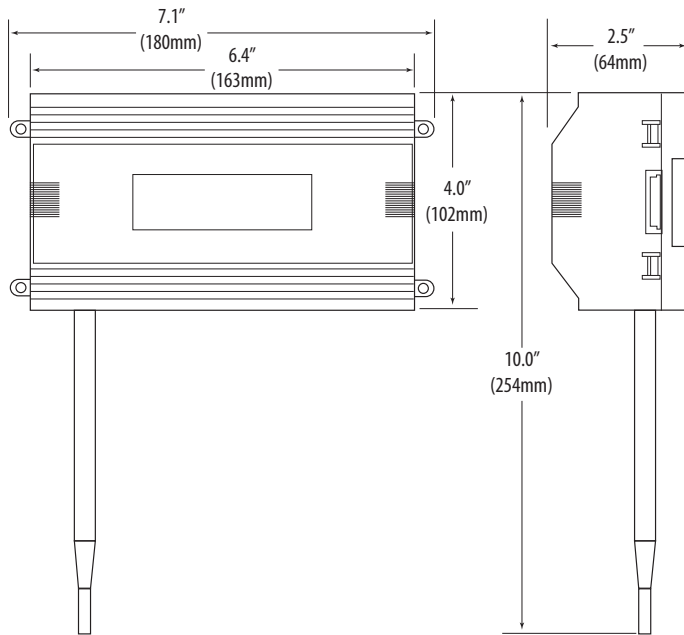
SPECIFICATIONS



Platform	PowerPC 405EP 250 MHz processor, 64MB SDRAM and 64MB serial flash, 128kB 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: VWG-PS-DC 24VAC to 15VDC panel mounted ; VWG with cord: VWG-PS-AC 120VAC to 15VDC
Chassis Construction	Plastic, DIN rail or screw mounted; Cooling: internal air convection
<i>Environment:</i>	
Operating Temperature Range	0° to 50°C (32° to 122°F)
Storage Temperature Range	0° to 60°C (32° to 140°F)
Relative Humidity Range	5 to 95% non-condensing

UL: UL 916, C-UL listed to Canadian Standards Association
 CSA: C22.2 No. 205-M1983 "Signal Equipment"
 CE: FCC part 15 Class A
 C-Tick: (Australia)

DIMENSIONAL DRAWING



SETPOINT DEVICES

ORDERING INFORMATION



MANUF. PART #	ORDERING #	DESCRIPTION
VWG-40-IP-1000	U011-0001	Wireless Gateway - BACnet IP interface
VWG-40-MSTP-1000	U011-0002	Wireless Gateway - BACnet MS/TP interface
VWG-40-LON-1000	U011-0003	Wireless Gateway - Lontalk interface
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	Wireless Gateway - 24VAC to 15VDC European plug mount adapter power supply (purchased separately)
VWG-PSNA-AC120-1000	U011-0008	Wireless Gateway - 120VAC to 15VDC North American plug mount adapter power supply (purchased separately)
VWG-BB-1000	U011-0009	Wireless Gateway - Replacement battery for backup (supplied with gateway)