Wireless That Makes Perfect Sense

9470 Meridian Way
West Chester, Ohio 45069
Phone: 513-874-3195
Fax: 513-874-3269
www.ventekllc.com

Universal Wireless Transmitter Quick Setup Sheet
WVN05P

Transmitting Frequency: 418 MHz ISM band
Environmental Classification: NEMA 4X
Battery: 3.6V lithium battery (½ AA)
Battery Life: 1-year minimum
Temperature Range: -20°C to 70°C -4°F to 158°F
Range: 600 feet(1)
Transmission Rate: 10 to 17 seconds (random)

Parts List:

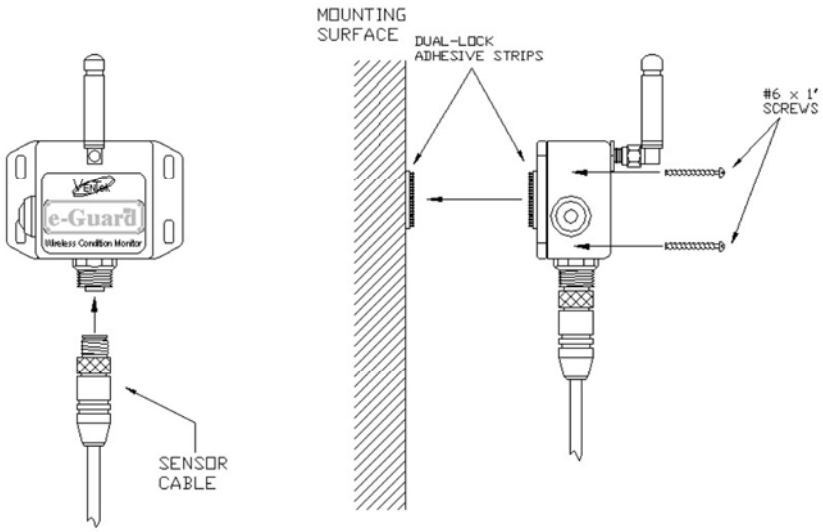
Quantity	Part
1	*e-Guard Wireless Transmitter*
2	2" Dual-Lock Adhesive Strips
4	#6 x 1" Self-tapping Screws

Description:

The VenTek *WVNO5P Universal Wireless Transmitter* is a low-power self-configuring device with a 600 ft(1) range and will configure itself to work with any VenTek *V-BUS* sensor. The transmitter sends data from the sensor at random intervals between 10 and 17 seconds. To conserve battery life and reduce the number of transmission collisions while the transmitter is not in use, the transmitter remains turned off until a *V-BUS* sensor is plugged in. The battery will last at least 1 year of continuous use and can exceed 2 years, depending on the sensor being used.

Mounting:

Attach the *Universal Wireless Transmitter* to the mounting surface using either the #6 x 1" self-tapping mounting screws or the dual-lock adhesive strips as shown. Mount the transmitter away from metal objects such as steel beams, catwalks and shelving. Such objects may interfere with the transmission signals. The preferred mounting surface is non-metallic. If the mounting surface is metallic, the receiver should be in front of the *Universal Wireless Transmitter*. (See VenTek document TIPS1 for more information).



(1) Transmitter range is typicaly 600 feet in an industrial environment, but can be much further. A site evaluation should be conducted to find the best locations for transmitters and receivers.

Wireless That Makes Perfect Sense

9470 Meridian Way
West Chester, Ohio 45069
Phone: 513-874-3195
Fax: 513-874-3269
www.ventekllc.com

Universal Wireless Transmitter
Quick Setup Sheet
WVN05P

Monitor Setup:

When the transmitter is connected to a *V-BUS* sensor, the system becomes an *e-Guard Wireless Monitor*.

1. Securely connect a VenTek *V-BUS* sensor to the transmitter to power up the wireless monitor system.
   * The transmitter remains powered down unless a sensor is securely plugged into it.
2. Press the service button on the transmitter to configure the transmitter to the specifications of the sensor.
3. When the monitor system is active, the LED on the sensor will flash every 10 to 17 seconds. Pressing the service button will immediately flash the LED to indicate the functionality of the monitor.

VenTek OPC Server Sensor Setup:

1. Open up the VenTek *OPC Server* software.
2. Click on the ***File*** menu, then ***Device Registration***.
3. Press the service button on the transmitter. The serial number of the sensor will appear in a new window asking to add the device.
4. To activate this sensor select ***Yes***. The sensor will be registered and appear in the list sorted by serial number. The tile in the ***Active*** column should say "**yes**."
   * The sensor can be deactivated by changing the tile in the ***Active*** column to say "**no**."
5. In the ***Topic*** column, rename the sensor with a meaningful name (i.e. Motor A) if desired.
6. To log the sensor's data in the database using the VenTek *Dashboard* software, make sure the tile in the ***Dashboard*** column says "***yes***."
7. To view the sensor's readings on the VenTek *Dashboard* screen, make sure the tile in the ***ShowTile*** column says "***yes***."
8. Close the ***Registered Devices*** and the *OPC Server* software window.
   * Consult the VenTek *OPC Server* installation instructions if the software is not already installed.

Rules subject to operation

"Changes or modifications not expressly approved by VenTek, LLC for compliance could void the user's authority to operate the equipment."

"Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device."

"This device has been designed to operate with the antennas listed below, and having a maximum gain of 2 dBi. Antennas not included in this list or having a gain greater than 2 dBi are strictly prohibited for use with this device. The required antenna impedance is 50 ohms." – (ANT-418-CW-RAH, ANT418-MHW-RPS, ANT-418-CW-RH)

"To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication."

FCC ID: -UVS-WV418
IC:6886A-WV418

"This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation."