

# Scigiene Wireless Monitoring Systems

By: Douglas Wright, President

[Scigiene Wireless Systems](#) use flexible and easy to use 900 MHz RF sensors; signal Repeaters, Receivers, Controllers and Software to collect temperature, humidity and a multitude of other signal types.

The data can be viewed in tables & graphs, on your computer from [receivers](#) connected directly via USB receivers or via Ethernet Gateways to P.C. or [cloud based](#) databases to give you the ultimate in flexibility. This is ideal for compliance monitoring as the data is collected automatically, for easy reports and alarming.

We have 4 classes of wireless sensors that are all battery powered varying from tiny compact to industrial grade fully IP65 waterproof models. The sensors can be easily installed and or moved for easy servicing and yearly recertification.

No room or facility is too big as our sensors have excellent ranges and also work with our Signal [Repeaters](#) to hop signals in even the toughest conditions.

Transmission ranges up to 1300' indoors and up to 1 mile outdoors with repeaters and high gain antennae.

## Features:

- Advanced Online sensor monitoring
- Advanced sensor configuration
- Allows for sensor data export, history reports and visual charts
- Provides history of sent alerts
- Unlimited sensor history storage
- Accessible anywhere via internet
- Sends alerts and notifications to multiple recipients via SMS Text & Email
- On screen alerts and notifications
- Visual tool for sensor mapping
- Minimum Heartbeat: 10 minutes
- Supports 20 Networks, 500 sensors per network
- Supports 1,000 Gateways
- Unlimited users
- N.I.S.T. traceable certification of [Temperature](#) and [Humidity](#) sensors available

## SOFTWARE

[Scigiene Premiere](#) is a secure cloud based monitoring and notification software dedicated to the [Scigiene Wireless sensors](#) and [Gateways](#). The system allows for complete configuration and customization at a sensor, local network or client



wide level. The software allows for management of sensor data as well as the ability to setup alerts via SMS text or email to one or many recipients. It is also accessible from all internet enabled devices including Smart Phones. The [software](#) also allows for enhanced functionality of your wireless sensors and includes an advanced software features set, all for a minimum annual cost.



[Wireless Scigiene Premier Cloud Based Software](#)



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## Scigiene Wireless Sensors

Are battery operated with built-in 900MHz frequency hopping radios

- 900 MHz sensors have datalogging capacity to ensure data integrity in the event of a power failure.
- Sensors have programmable transmit intervals to give you flexibility to increase signal collections or increase battery life.
- Sensors available for the following parameters:  
Temperature, Humidity, Pressure, Voltage, Current, Resistance, Pulse, Light, CO, Water level, Water detection, Impact, G-force, Tilt, Open/closed, Magnet, Dry Contact, Button Press, Motion, Flex, Occupancy and more!  
\*Call us for consultation on best options for you.
- FCC and IC certified
- User defined thresholds for alerts and notifications

### BASIC SERIES

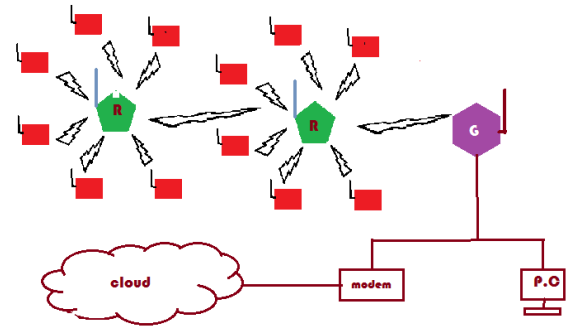
- 250 - 300 ft. non-line-of-sight device range\*
- 4" wire antenna
- Replaceable 3.0V Coin Cell Battery At 1 hour heartbeat setting, coin cell battery will last ~ 1-2 Years\*\*
- Mounting Tape & Mounting screws included
- ABS Enclosure
- Operating Temperature: -7° to +60°C (+20° to 140°F)
- Accurate to +/- 1°C (1.8°F). Increased accuracy if certified and calibrated +/- 0.25C
- Dimensions: 1.775" x 1.040" x 0.785"

### PROFESSIONAL SERIES

- 250 - 300 ft. non-line-of-sight device range\*
- 4" wire antenna
- User replaceable AA 1.5 V Batteries
- At 1 hour heartbeat, AA batteries will last > 4 Years\*\*
- Max Operating Temperature using AA Alkaline Batteries: -18°C to +55°C (0°F to +130°F)
- Max Operating Temperature using AA Lithium Batteries: -40°C to +85°C (-40°F to +185°F)
- Dimensions: 4.375" x 2.470" x 1.111"
- Mounting Flanges and screws for easy securement included.
- ABS Enclosure

### INDUSTRIAL SERIES

- 300 - 350 ft. non-line-of-sight device range
- Antenna: 3dBi RP SMA (Optional High gain 5dBi antenna – for up to 100 foot increased range)
- Single AA, 2500mAh, 3.6V Lithium Battery
- At 1 hour heartbeat AA batteries will last 4 - 5 Years\*\*
- Enclosure: NEMA 1, 2, 4, 4x, 12 and 13 rated, sealed and weather proof
- Max Operating Temperature: -40° to 85°C (-40° to 185°F)
- Dimensions: 3.701" x 2.316" x 1.378"
- Mounting Flanges and screws for easy securement included



### Repeaters

Accept signals from our 900 MHz sensors and relay them to Scigiene USB or Ethernet Receivers or even other Repeaters.

- Built In 900MHz frequency hopping radio with Mesh networking for long range wireless interface.
- Range Indoor: 600' to 1300' expandable to 20 miles with high gain antennae.

### Receivers

Our USB and Ethernet Receivers are designed to receive and decode packet data from all of our Wireless Sensors. Depending on the model selected the receivers can be connected directly to your PC's USB port or via an IP connection and the data is then downloaded to a Cloud database or your P.C. Call today to discuss your options.

### Controllers

The 900 MHz wireless Control Units contain two separate relay switches allowing for individual control through the [Scigiene Premier online software](#). The control unit relays can be switched on/off manually through the software or automatically by any wireless sensor notification assigned to a single sensor or group of sensors when a specified condition is detected. Two separate relays per unit. 10 or 30 Amp. models available. AC powered, always on for immediate response from paired sensors.

For more information on our systems and detailed specifications, please visit [www.scigiene.com](http://www.scigiene.com) or contact us at 416-261-4865



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