March 2022

Wireless Application Guide

Many clients are at first concerned that a good wireless system will be difficult to set up or costly. Nothing could be farther from the truth. In the early days, setting system up might have required a higher level of expertise due to poor range and PC based systems. But now they are literally plug and play as our newer systems have ranges that exceed most client's basic needs and cloud-based systems automatically pick it all up. As for costing, unless you are taking 0ne reading per week our wireless systems are actually more cost effective. Call us today for a free copy of our costing spreadsheet to prove to yourself that you cannot afford not to go this route? We even make calibrations and yearly certifications easy with our exchange programs. No longer do you need to call in expensive on-site technicians or find alternate methods while sending out units for recertification.

To make installations simple and trouble free some basic steps should however be taken in order to identify which system and which components will best do the job for you.

- Identify what parameters you need to monitor and the points at which you need to monitor them. A scale map is an ideal starting point. Are you monitoring ambient temperatures or do you need to insert a probe into an oven or water bath or…? Be bold here what would solve old problems and make life easier for you.
- Determine how you want to collect the data and what you need/want to do with that data.
- Do you want to set alarms for out-of-range readings?
- Do you want local alarming (computer beeping) or dial-out alarming (text messaging)? III. Do you want live readings/graphing?
- Do you want remote site monitoring?
- What interval do you need to log readings at?
- What is the maximum distance from the farthest sensor(s) to the Receiver?
- Are there any major obstacles to RF signals? Are there any heavy concrete or metal walls without open doors or other openings? Indicate those on the floor plan?

Once you have answered the questions above you can then determine which Sensors, Receivers and Software will be ideal for you. If it is still not clear we will be more than happy to assist you with your product selection (at this point the scale map & answers to the above questions are advised). Wireless Systems are simple to install, as all our Sensors are compact and battery powered. Simply start and place them where you need to take readings. Then connect the necessary Receivers , install the Software and you now have an operating Wireless Monitoring System . For applications where greater distances or interference may be a problem we can also specify high power devices and/or special antennas to assist here.

The Advantages are obvious:

1. Easier to install than hard wired systems (no drilling or wires to run!).
2. Easy to reconfigure. Just move the sensor to where ever you choose!
3. Easy to calibrate.(ask about our yearly replacement program)
4. Easy to add more sensors. Each Receiver will collect from 100's of Sensors.
5. Cheaper to buy, install and operate than other systems.
6. Cloud based software means and end to never ending software upgrades.

New products are being released continually to add to this simple to use monitoring system. So, if you are not sure about our systems and how we can help, please give us a call at any time at 416-261-4865 or send us an e-mail at: info@scigiene.com and we will be happy to assist you.

Scigiene
1295 Morningside Avenue, Unit 16-18
Scarborough, ON M1B 4Z4 Canada
Phone: 416-261-4865 Fax: 416-261-7879
www.scigiene.com