

## Wireless Sensor Applications by Sensor Type

### Wireless Temperature Sensors

- Unconnected room thermostat monitoring
- Warehouse temperature monitoring to avoid frozen fire suppression systems.
- Monitor out building temperatures to avoid frozen pipes.
- Vacant property monitoring for frozen pipes or excessive heat.
- HVAC system monitoring to detect failures or heating / cooling issues.
- Art gallery temperature monitoring.
- Freezer and cooler temperature monitoring.
- Server room temperature monitoring.
- IDF closet temperature monitoring
- Elevator equipment room temperature monitoring
- Hot water system temperature monitoring
- Chilled water system temperature monitoring
- Boiler temperature monitoring to detect boiler failures.
- Heater temperature monitoring.
- Ovens and cooking device monitoring.
- Smart machines and smart structures.
- Pool temperature monitoring
- Water Tank Temperature Monitoring
- Aquarium Temperature Monitoring

### Wireless Duct Temperature Sensors

- Air Duct Temperature Monitoring
- HVAC Operation & Testing

### Wireless Humidity Sensors

- Pool area humidity monitoring
- Room/Suite monitoring
- Greenhouse temperature and humidity monitoring.
- Environmental monitoring.
- Art humidity monitoring.
- Humidor monitoring.

### Wireless Water Rope Sensors

- Leak detection
- Server room water monitoring.
- Document retention center monitoring.
- Basement / crawl space water monitoring.
- Storage monitoring.

## Wireless Water Detection Sensors

- Water heater leak detection.
- Pool pump leak detection
- Roof leak detection
- Sink and toilet leak detection.
- Frozen or burst water pipe monitoring.
- Reservoir level monitoring.
- Sump and well monitoring.
- Basement / crawl space water monitoring.

## Wireless Infrared Motion Sensors

- Area access monitoring.
- Detect when people enter a room.

## Wireless Asset Sensors

- Asset monitoring.
- Tell if shuttles are on premises.
- Monitor tools.
- Engineering asset monitoring.

## Wireless Dry Contact Sensors

- After hours pool/gym access monitoring.
- Forklift seat switches.

## Wireless Light Detection Sensors

- Light and electricity management.
- Greenhouse solar and light tracking.

## Wireless Light Metering Sensors

- Art gallery light metering.
- Greenhouse solar and light level tracking.

## Wireless Open/Closed Sensors

- Door and window access.
- Out building access monitoring.
- Restricted area monitoring.
- IT server rooms and closets.
- Freezer and cooler doors.
- Shipping cargo bay door monitoring.
- Garage door monitoring.

## Wireless Magnetic Sensors

- Machinery and motor RPM tracking.
- Door and window monitoring.

## Wireless Vibration Counting Sensors

- Motor and machinery monitoring to determine how often a machine is in use
- Detection of sudden movement to monitor access to restricted areas
- Pump monitoring
- Detect if a window is broken or shattered

## Wireless Activity Timer Sensors

- Inclination and vibration testing
- Orientation sensing
- Smart machines, smart structures, and smart materials
- Impact load sensing

## Wireless Accelerometers - Tilt Sensors

- Inclination and vibration testing.
- Inclination monitoring.
- Orientation sensing.
- Pitch & roll.

## Wireless Accelerometers - G-Force snapshot

- Art or sculptures that should not move.
- Anything that should not move.

## Wireless Accelerometers - Impact Detection

- Detect impact.
- Sudden movement detection.
- Vandalism detection
- Impact load sensing.

## Wireless 0-20mA Current Meters

- Current transducer monitoring.
- pH sensor integration.
- Pool chemical sensor integration.
- Pressure sensor integration.
- Magnetic flow sensor integration.
- Water/air/gas/electric meter integration

## Wireless Resistance Sensors

- Resistance Measurement.
- Battery Monitoring.
- Transducer Monitoring.
- 3rd Party Sensor integration.

## Wireless Voltage Meters - 10 VDC

- Battery health metering.
- Voltage measurement.
- Transducer measurement.
- Machinery monitoring.
- Electrical motor monitoring.

## Wireless Voltage Meters - 50 VDC

- Shuttle Battery Monitoring.
- Boat and Marine Battery Monitoring.
- RV Battery Monitoring.
- ATV / Motorcycle Battery Monitoring.
- Lawn Mowers and Utility Vehicle Battery Monitoring.

## Wireless Voltage Meters - 500 VAC/VDC

- Power line metering.
- Machine voltage regulation.
- Electrical motor monitoring.
- Generator monitoring.

## Wireless Voltage Detection Sensors - 0-50 VDC

- Sprinkler systems monitoring.
- HVAC systems monitoring.
- Appliance monitoring.
- Line power monitoring.
- Power coupling monitoring.
- Power supply monitoring.
- Sump pump monitoring.

## Wireless Carbon Monoxide (CO) Gas Sensors

- Gas ranges and ovens
- Gas clothes dryers
- Furnaces
- Fireplaces

- Grills
- Space heaters
- Vehicle Exhaust
- Water heaters

## Wireless Button Sensors

- Customer service request button.
- Front desk call button.
- Restroom needs cleaning (service call button).
- Ballroom service call button
- Access call button.

## Wireless Single-Input Pulse Counting Sensors

- Utility meter reading
- Turn Style Counter
- Count number of actuations

## Wireless Compass Sensors

- Digital compass.
- Device orientation.
- Directional movement.

## Wireless Flex Sensors

- Measure mechanical movement.
- HVAC air flow monitoring.
- Occupied seat monitoring.

## Wireless Airflow Sensors

- HVAC Monitoring
- HVAC Efficiency Testing

## Wireless Seat Occupancy Sensors

- Know how many seats are occupied.
- Detect when a seat is occupied.

## Wireless Vehicle Detection Sensors

- Parking garage monitoring.
- Detect a parked car.
- Automotive services.
- Fleet vehicle management.

## Wireless Vehicle Counters

- Parking garage monitoring.
- Count number of cars that pass by.
- Detect a vehicle in motion as it passes by.
- Automotive services.
- Fleet vehicle management.

## Wireless Liquid Level Sensors

- Monitor container levels.
- Track non-corrosive fluid levels.

## Wireless Pressure Sensors - 50 PSIG

- Compressed air supply lines.
- Water supply lines.
- Gas supply lines.

## Wireless Pressure Sensors - 300 PSIG

- Compressed air supply lines.
- Water supply lines.
- Gas supply lines.