Watch**NET** IoT

Connect Any Thing, Connect Any Where

IoT Solution for
Gym Monitoring

Ai
Watch**NET**

Equipment Monitoring

When you first walk into a gym and you want to use a cardio machine like the treadmill, we usually tend to choose the closest one when coming out of the change room. There are many similar cardio machines that are chosen the same way. This puts a strain on some equipment that can result in extensive wear and tear leading to frequent repair.

Installing Watch*NET* power monitor on these equipment can give valuable information about the equipment usage or help maintain the longevity of the equipment in the below mentioned ways:

1. How often the equipment is used per day.
2. How much power it is consuming (over the recommended power consumption indicates that the motor may need frequent maintenance).
3. In which mode the equipment was used (walking, running, cardio program, etc.).
4. How to integrate with the members' website or an application to alert the peak hours in which usage is high.
5. Extending the life cycle by setting an intelligent logic to automatically turn off the most used equipment during the off peak hours.

Gym Environmental Monitoring

Gym is a place where members come to exercise to keep fit and maintain good health. Providing a good, hygienic and monitored environment matters to every gym. Watch*NET* IoT have multiple sensor devices to monitor multiple metrics.

1. Temperature and Humidity monitoring
2. CO_2 (Carbon Dioxide) monitoring
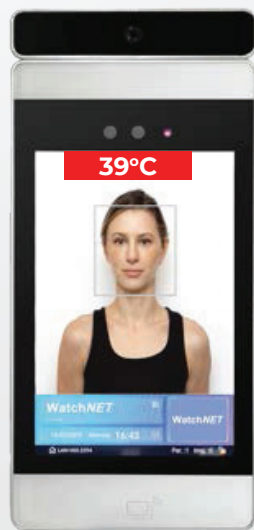3. PM2.5 Air Quality Monitoring

Swimming Pool Monitoring

Automated monitoring of swimming pool equipment is important to help maintain the quality of the water and a hygienic swimming environment.

1. pH level of water
2. Water temperature
3. Water leak detection
4. Pool pump motor monitoring
5. Pool occupancy detection
6. Indoor temperature and humidity

Access Control with Temperature Check

Automated access control using state-of-the-art facial recognition devices with built-in temperature checks can grant access to members and stop members with higher than normal body temperature. This access control system can be integrated to the corporate member database for easy monthly subscription control and management. All facial data is digitized and stored locally on a device ensuring full privacy of members.

Safe GYM Environment

WAF-428DT

39°C

The model features an infrared temperature sensor that can detect body temperature within one meter (three feet) of proximity.

Access can be denied even if the credential is valid and the person exceeded the temperature threshold limit.

How System works?

Wireless IoT Sensors

IoT Gateway

WatchNET Cloud & APP

Temperature of the Room or Facility from Different Points

Wireless Temperature and Humidity Sensor For Low Temperature

This commercial-grade temperature and humidity sensor can be used to monitor the temperature and humidity of a low-temperature environment and notify personnel by a text message, email or phone call, through our hosted online platform if the values go out of the set optimal range. This sensor is rugged and IP65 rated for a humid and moist environment. This device has a magnetic back panel that can be mounted on any metal surface.

WLRC-S17

Wireless Temperature and Humidity Sensor

This indoor temperature and humidity sensor can be used to monitor the temperature and humidity of the environment and notify personnel by a text message, email or phone call if the values go out of the optimal range. This sensor is small and has a sleek design, making it easy to install and looks elegant.

WLRI-S16

Wireless Remote Control & Automation

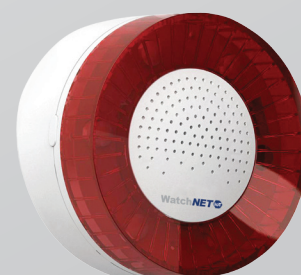## Wireless Plug-and-Play Power Outlet with Consumption M

This power plug can support up to 15 ampere powering most of the residential/commercial power equipment. It is ideal to monitor power for machines that need to remain switched ON all the time. It monitors power consumption, voltage, electricity, power failure and daily usage to any connected equipment. It helps to extend the life cycle by identifying the frequently used equipment such as in gym.

WLRI-P11

Wireless Siren

This wireless annunciator can be used with any Watch*NET* IoT device to generate sirens which can be triggered by a condition/event of another device. This device has high powered speakers and LEDs to seek the attention of personnel around. It is enabled with high-powered speakers and LED strobe lights. Multiple alert tones can be assigned to different kinds of alarm conditions.

WLRI-SR1

Monitors Level of Carbon Dioxide from Different Points

Wireless CO$_2$ / Temperature / Humidity Sensor

This wireless Carbon Dioxide detector makes it ideal to install in food and restaurant facilities. A proper measuring device is integral to a good facility safety system as it gives a real-time level of the measure of carbon dioxide and could send out an alarm when it is less or in excess.

WLRI-S41

Wireless PM2.5/ Temperature/ Humidity Sensor

This air quality sensor can pick up airborne particles in the air such as dust up to PM2.5. It also has a built-in temperature and humidity sensor. It is ideal for any environment air quality monitoring is required.

WLRI-S24M

Monitor the Level of Acidity and Temperature of the Water in a Water Storage Tank

Wireless pH Sensor

This specialized water pH/temperature sensor is factory calibrated and ready to use out of the box. It is ideal to use in an indoor or outdoor facility that is away from the main building. A 12VDC power supply is required for the operation. Its wireless long-range signal makes suitable to use in a pool house or a farmhouse.

WLRI-S23

Gym and Swimming Pool Solution

Wireless Temperature & Humidity Sensor For Low Temperature

WLRC-S17

Wireless Temperature and Humidity Sensor

WLRI-S16

Wireless Plug-and-Play Power Outlet with Consumption M

WLRI-P11

Wireless Siren

WLRI-SR1

Wireless CO_2 / Temperature / Humidity Sensor

WLRI-S41

Wireless PM2.5 / Temperature / Humidity Sensor

WLRI-S24M

Wireless pH Sensor

WLRI-S23

Gateways

Watch*NET* IoT gateways are one of the smart and intelligent devices within our IoT ecosystem.

It collects data from devices that do edge-based processing and then sends it to the cloud for storage, display and analytics.

This gateway works as a stand-alone controller to link devices connected to it and triggers actions accordingly to input logic to output devices. Basic or complex rules can be set on this gateway, that can work in an online or offline state within the network.

- Edge-based Data Processing
- LAN, WAN and Connectivity
- Low Bandwidth Consumption
- Built-in Wi-Fi Gateway

Wireless Smart IoT Gateway

This intelligent smart gateway provides connection to the cloud and control of devices connected. Multiple technologies for communication such as LAN and WiFi makes this gateway deployment easy in any building. Easy installation and configuration makes it ideal for small or large environmental monitoring and control projects. The built-in powerful antenna is capable of receiving long-range signals.

WLRI-G11

Mini Smart Gateway

This small form factor smart gateway provides connection to the cloud and local control of devices connected to it. It is easy to install and configure making it ideal for small environmental monitoring projects as it is also economical. The built-in powerful antenna is capable of receiving long-range signals.

WLRI-G12

WatchNET IoT Cloud Software & Mobile APP

- ✔ Around-the-clock monitoring
- ✔ Compatible with over 100 sensors & devices (LoRa & NB-IoT)
- ✔ Real-time status update
- ✔ Instant alerts and notifications
- ✔ Customizable dashboard & floor layouts with quick data visualization
- ✔ Manage data from one platform
- ✔ Intuitive report with accurate historical records
- ✔ Powerful eMAP - data visualization with actionable decisions
- ✔ Enhanced data logging
- ✔ Impressive web-based interface and mobile APP
- ✔ Powerful offline linkage feature enables the devices to act in critical scenarios, even if the smart suggestions and warnings
- ✔ Intelligent analytical engine can provide smart suggestions and warnings

Watch**NET**®

SECURITY SINCE 2000

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YEARS

WatchNET IoT Industry Solution

Products of Watch*NET* are Certified with:

CE | FC | UL

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