Netshield introduces cost-effective WIFI IOT Multi Sensor devices that can be installed in minutes

Customers looking to dramatically simplify the installation process of IoT (Internet of Things) sensors, can now take advantage of Netshield's WIFI IOT Multi Sensor and IO modules. These devices are the perfect accompaniment to IoT environments where power and cost may be an issue, enabling customers to monitor the environmental factors of their business environment all via the cloud.

The WIFI IOT Multi Sensor and IO modules have their own battery and as a result do not need either a power source or a wired connection to operate. With its own built in Wi-Fi interface, you can string sensors onto the device, which can then leverage the Wi-Fi connection to send data gathered from the sensors back into your environment.

"We developed the modules in answer to a direct need from customers who not only require a cost effective alternative to IoT installations, but also those who need data from IoT sensors in remote areas or are a distance from a power source," states Inus Dreckmeyr, CEO of Netshield South Africa. "They are easy to install, quick to deploy and come at a cost point that make them exceptionally attractive to businesses of all sizes."

Built from the ground up by Netshield, the devices allow a customer to quickly and inexpensively connect sensors to the Cloud, enabling them to better monitor temperature, humidity, water leaks and a host of other environmental factors of their business. Furthermore, the devices are able to switch multiple output contacts which can be used for applications such as opening doors and switching lights and systems in the environment on or off – their primary aim being assistance with monitoring and controlling the environment.

With the option to be powered from its built in battery or a DC power supply, they are ideal for remote installations. Customers wanting to expand the footprint of what they monitor can connect to multiple RS485 sensor hubs and can then view each device via a smartphone, tablet or Web browser.

Each module comes in a small enclosure complete with mounting gears they can be strung into the IoT devices in a customer's environment with CAT 5 or patch leads, and then communicate information back via Wi-Fi. As a result of their weight and form factor, they can even be attached to a surface making use of double-sided tape. Devices can be remotely configured and once installed anyone can switch them on, significantly reducing the initial cost of deployment.

According to Dreckmeyr, clients who find the devices particularly useful include those who need to measure the environmental factors in an environment where they would otherwise need to trench or rebuild the infrastructure in order to deploy an IoT environment.

"The application of IoT is growing, but its real benefit can be evidenced in the data it provides for businesses to better manage their environments. These devices can send data directly to your preferred cloud platforms, such as AWS or Azure, you are then able to set up alert configurations directly from here and then respond to alerts in the manner in which you prefer.

"Because they are so simple to install and deploy, they are the perfect accompaniment to large scale IoT deployments. Additionally, they are excellent for use in remote areas where the costs of sending out personnel to deploy sensors or to simply 'check on' the environment simply isn't justifiable," adds Dreckmeyr.