Unmanned Facility Room Monitoring

Automation has reached a point where essential functions like power and networking operate unmanned for long periods of time. These essential systems operate on expensive and difficult to replace devices, often under heavy workloads, so monitoring temperature, humidity, and power consumption in such facilities becomes essential to avoid a disaster. WISE-5801 is designed to monitor these unmanned facilities, it works with ICP DAS USA I-7000 and Modbus RTU slave modules to connect with thermometers, hygrometers, air conditioning, warning devices, and power meters. A few examples of WISE-5801 configurations for daily maintenance are as follows:

• WISE-5801 detects that ambient temperature has moved above an acceptable temperature and adjusts air conditioning appropriately while sending a real-time message to relevant personnel.

• Schedules rotation of air conditioning devices to reduce wear on any individual device.

• If an air conditioning unit is detected as damaged, then backup air conditioning will be activated and a real-time alert sent to relevant personnel

Finally, WISE-5801 allows for external control and monitoring by SCADA software. This enables the collection of power consumption and other data for statistical analysis which leads to improved costs and efficiency over time.

The WISE-5800 series features a built-in web server for building IF-THEN-ELSE rules with an onboard rules engine. It supports IO, Counter, Timer, Schedule, Email, and recipe operations with easy to use controls. With support for up to 16 I-7000 modules and up to 10 Modbus RTU slave devices, WISE-5800 is a powerful, comprehensive, and reliable solution for automation control in any industrial setting.

Want to learn more? Visit our website www.icpdas-usa.com or give us a call at 1-310-517-9888. You can also reach us through email at sales@icpdas-usa.com. We are available from 8:00 a.m. to 5:00 p.m. PST.