



IO WATCH™

MONITOR CRITICAL EVENTS AT UNATTENDED REMOTE SITES

RECEIVE IMMEDIATE NOTIFICATION OF EQUIPMENT CHANGES VIA TEXT OR EMAIL

FIELD READY ALTERNATIVE POWER OPTIONS FOR BATTERY & SOLAR POWER

MULTIPLE INPUTS TO CONNECT TO A VARIETY OF SENSORS

MANAGEMENT CLOUD DASHBOARD FOR MONITORING



Features

- Verizon ready
- No contracts
- Integrated inputs for multi-sensors
- Data location from built-in GPS
- Cloud monitoring/alarming service included
- Powers sensors from AC, battery or external solar

Product Overview

The "IO Watch"™ is a field ready low-cost way to monitor critical conditions at unattended remote sites. Receive immediate notification of any environmental or equipment changes, including power failure, level, flow, pressure, or temperature status. IO Watch is smartphone ready and includes a web and mobile friendly cloud interface to monitor, trend, and get alarms either by text or email. This product will display & record analog and digital signals, which gives the user a way to remotely monitor, collect & provide alarming for any remote instrumentation or process application.

Available in two models to fit every application need:

- IO Watch: (3) Digital inputs (3) Analog inputs.
- IO Watch Plus: (6) Digital Inputs & (6) Analog inputs
- (2) 6A relays @250V AC/DC
- Minimum switching voltage: 12V AC/DC

Configuration Diagram



The cloud platform offers historical trends for 3 years with data exporting in popular formats as well as reporting by exception to a predefined list of users. All data is secured under the user account and is secured using password protection.

There is no programming necessary to retrieve data from an IO Watch. Simply log into your account and your data will immediately show up on your personal dashboard. From there, you can assign users that will receive alarms based on the measurement of the sensor. The IO Watch is field ready and comes with mounting brackets to attach to any flat surface. Most importantly, the product includes the 1st year of Verizon/Cloud service.

Technical Specifications

Operating Temperature	-40 to +185°F (-40 to 85°C)
Humidity	0% - 100% condensing
Input Power	<ul style="list-style-type: none"> Four 3.6Vdc D size lithium thionyl chloride batteries Optional solar power Optional 120VAC power
Input/Output	<ul style="list-style-type: none"> 3 Digital inputs report state, total counts, frequency (2kHz max), volume total with K Factor 3 Analog inputs (1-5Vdc or 4-20mA) configurable for flow totalizing mode (2) 6A relays @250V AC/DC Minimum switching voltage: 12V AC/DC
Battery Life	Up to 5 years
Data Interface	LTE CAT M1 MQTT Cellular
Cellular Radio Power	23dBm
Antenna Type	LTE w/ Internal GPS
Enclosure	Industrial polycarbonate UV rated; IP64
Electrical Connection	Pluggable push in terminal block for sensors local micro-USB configuration port
Weight	3lbs (≈1.4kg)

connected by **verizon** powered by **SIGNALFIRE**
— WIRELESS TELEMETRY —

Dimensions

