

I.REPORT STAND-ALONE NO-CONTRACT WIRELESS REMOTE MONITORING



CONTROL SOLUTIONS MINNESOTA

Simple yet powerful wireless remote monitoring without the need for a monitoring service. No Contract.

Get text message alerts from:

- Modbus or BACnet I/O devices
- Sensors of any kind
- PLCs and SCADA systems
- UPS systems
- Backup generators
- Freezer monitors
- Refrigerator monitors
- Building management systems

Fuel level is Low (4%) at data center backup generator

Fan not running at Building 1

Sump level is High at Station 14

Temperature is Low (62) in Building A

Low flow detected on pump 2

Temperature is High (122) Rack 4 Equipment Room

Oil pressure is Low on backup generator

Switch Not in Auto at warehouse backup generator

Holding tank level high (72%)

Built-in alarm monitoring monitors your equipment and sends you text messages alerting you to problems.

The i.Report Text Messenger is a self-contained remote monitoring and alarm notification system that monitors data points in one or more Modbus or BACnet devices and alerts you and others via SMS when an event has been detected that somebody should know about. The i.Report Text Messenger offers simple yet powerful remote monitoring without the need for a monitoring service - no contract required.

You decide what events somebody should know about, and who should know about them. If the event is important, you can require the alarm message recipient to acknowledge the notification. You also have the option of escalating the notification to additional users if the first user (or group of users) did not respond by acknowledging the alarm within the time limit you set.

A single i.Report can monitor up to 100 data points from a single device or from multiple devices on the network. An event can be a level exceeding a threshold high or low, a change in state, change in value, or deviation from a setpoint. The parameters that decide what constitutes an active alarm are set up with an easy to use template. A notification is sent when the alarm transitions to "active", and again when the alarm transitions to "inactive". If acknowledgement is required but not received within the time you allowed, the active alarm notification is repeated, possibly including additional users each time if you set it up that way.

The notification message consists of whatever text you provided, optionally including template variables. These "variables" are replaced with dynamic data, such as present level, at the time the message is sent to users' mobile phones.



i.Report VP3-TMxx Remote Monitoring



[1/1] Test Object 1 at My Site is in alarm at 220.00.

Ack 1/1

Ok

Alarm Test: **GT: Greater Than** Threshold: **200.00000** Hysteresis: **0.000000**

Require Ack Min On (S): **0** Enabled By: **0**

Notify Active Only Min Off (S): **0** Delay: **0**

Message: **[name] at [site] is (opt\in alarm\normal) at (val).**

Report On Alarm: 1 2 3 4 5 6 7 8

Group #	Delay	Repeat	Admin	Fails	Errors	Starts	Daily
1	0	300	N	N	N	Y	N
2	600	300	N	N	N	Y	N
3	1200	300	N	N	N	Y	N
4	0	0	N	N	N	N	N
5	0	0	N	N	N	N	N
6	0	0	N	N	N	N	N
7	0	0	N	N	N	N	N
8	0	0	N	N	N	N	N

User #	SMS #	Groups	Comm...	Name
1	17634155950	1	Y	Jack C.
2	17634155954	2	Y	Jim C.
3	17634155958	3	Y	Pete P.
4	17634155959	1	Y	Tom T.

FEATURES

- Self-contained remote monitoring & alarm notification system
- Monitors data points in one or more Modbus/BACnet devices
- Alerts one or more users via SMS when event detected
- User configurable SMS messages with dynamic content
- Up to 100 data objects (Modbus registers or BACnet objects)
- Alarm settings, SMS message content programmable per object
- Up to 50 user phone book, 8 user groups
- Notify multiple users with configurable delay & repeat times
- Notification escalation with repeat when not acknowledged
- Password protected replies accepted from authorized users
- Unrecognized phone numbers ignored
- Optionally change parameters or command outputs remotely
- Modbus TCP 10/100BaseT. up to 20 TCP devices
- Modbus RTU 1200 to 38400 baud, up to 100 RTU devices
- BACnet IP 10/100BaseT
- BACnet MS/TP 9600, 19200, 38400, 76800 baud
- Master or slave, client and server
- Modbus RTU "Sniffer Mode"
- Operating voltage: 10-30VDC, 24VAC
- Operating current: 0.1A @ 24VDC typical, 0.4A @ 24VDC peak (transmitting, 500mSec duration typical)
- DIN rail mounting, 100mm H x 70mm W x 60mm D
- Pluggable screw terminal block for power & RS485 network
- Operating temperature -40°C to +85°C; Humidity 5% to 90%
- AT&T compatible 4G LTE
Contains FCC ID: RI7XE866A1NA, IC: 5131A-XE866A1NA
- Verizon compatible 4G LTE
Contains FCC ID: RI7LE866SV1, IC: 5131A-LE866SV1

The i.Report Modbus Text Messenger can be Modbus master or slave. As master, it will poll other Modbus slaves, querying the registers you have selected and evaluating register content against alarm criteria. As slave, you can have your PLC or SCADA system write data to the i.Report for alarm evaluation.

Modbus RTU also includes "Sniffer Mode" which means you can monitor Modbus data without any reprogramming of the Modbus devices being monitored. As long as there is traffic on the network between a master and one or more slaves, you can monitor it and receive notifications when selected registers match criteria you set.

The i.Report is also useful for "non-network" monitoring applications. There are many industrial sensors available with Modbus capability. Control Solutions offers three different models of Valu-Point Programmable I/O which may be used to interface multiple sensors, and even remotely controllable actuators.

The i.Report BACnet Text Messenger can be a BACnet client or server. As a client, it will read properties from objects in other BACnet devices and retain copies of that data for evaluation against alarm criteria. As a server, the i.Report will contain a collection of Analog Value and/or Binary Value objects which other BACnet devices may write data to.

The i.Report Text Messenger can be used in multiple ways in Building Automation Systems. You can provide alarm monitoring and notification regarding specific equipment such as chillers, compressors, pumps, air handlers, etc., and do this monitoring without reprogramming anything. This makes i.Report a useful diagnostic tool that can be quickly added without impacting existing BAS programming.

Visit <http://vp3-tm.info> to view the entire User Guide for the i.Report Text Messenger.

The VP3-TM is shipped to US locations with your choice of AT&T or Verizon compatible SIM pre-installed. You activate the SIM at your own convenience with low-cost no-contract service. Non-US destinations will require a user provided SIM compatible with local carriers.

Visit our web site for

- Full details
- User Guides & Software Downloads
- Pricing & On-line Ordering

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