ReDAC

Industrial Grade SMS Controller

ReDAC provides you the capability to remotely monitor and control your equipment via SMS.

ReDAC is a stand-alone controller that monitors equipment via opto-isolated contact points and sends out alarm / restore messages via SMS.

In addition, you can control your equipment remotely by activating the relay outputs of the ReDAC via SMS.

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Typical Usage:

Remote Alarm Monitoring

Monitor the status of equipment

UPS monitoring

Monitoring and Control of Signboards

Key Features

Robust Design
ReDAC is designed for unattended 24 x 7 operation.

Flexible Monitoring
ReDAC monitors external equipment via its 8 opto-isolated inputs. It has an innovative feature that you can configure to detect a combination of input conditions (for example, to send out a notification when input 1 and 3 are triggered)

Flexible Notification
Each combination of inputs can be defined to notify a group of recipients (up to 8 handphones can be programmed into the ReDAC). ReDAC has a simple escalation process whereby it will notify an alternate number if the primary number does not acknowledge a notification.

Scheduled Trigger
There is a built-in timer which can be programmed to toggle an output at a daily scheduled time. This can be used as a heartbeat notification .

Events Log
All events are logged to an internal memory that can be downloaded to the accompanying software application via the serial interface.

General Specification

Dimension	155.6 x 97.3 x 352 mm
Weight	380 gm
Temperature	0 - 55 degrees Celcius

Interface Specification

No. of Inputs	8 Opto-Isolated Inputs
No. of Outputs	2 Opto-Isolated digital outputs (50 mA sink) 2 Relay Outputs
Indicators	5 LED for status and diagnostics
Configuration Port	RS232 DB9 Female
Clock	Built-in Real Time Clock

Electrical / RF Specification

Power	12 V DC
Current	100 mA max (idle) 450 mA max (during transmission)
Network	Tri-band GSM (900 / 1800 / 1900)
RF power	Class 4 (2W-900 MHz) Class 1 (1W - 1800 MHz) Class 1 (1W - 1900 MHz)

Type Approval : IDA Reg S1305-05