



TEXT ALERT

SMS TEXT MESSAGE MONITORING AND DATA LOGGING SYSTEM

- Remotely Monitor and Control your Plant from a mobile phone or central computer
- Sends SMS Text Alarm Messages to up to 4 mobile phones
- Data Logger - Sends a Daily Log File to central computer
- 6 Analogue / Digital Inputs and 2 Digital Inputs
- 4 Relay Outputs – can be controlled by text message
- Internal Battery Backup
- Optional PIR Sensor



Description

The Text Alert System is a stand alone monitoring unit which can be connected to up to 6 industry standard analogue or digital inputs.

The Text Alert can monitor these inputs and send SMS text message alarms when required, to up to 4 mobile phone numbers, and can also provide a local alarm or control signal with its four digital outputs.

The Text Alert Data Logger can also be configured to record the 6 inputs every logging period and dial in to a Central Data Logging computer once per day to transmit a log of the status of the inputs during the previous 24 hours. One Central Data Logging unit can receive and manage the data from up to 100 independent remote Text Alert Data Loggers.

The Text Alert can also be contacted at any time to review the current values of the inputs and alarms, and also to download the data logging file for that day.

Also available as an option is a dual technology PIR sensor which can be used to detect people approaching the monitored asset.

The Text Alert is a low power unit and can be run off 12V battery power in remote locations.

Inputs

The Input types and ranges below, are available with the standard unit, additional ranges may be possible. In addition other input types e.g. mV, RTD, T/C are available using our standard range of signal conditioning products.

DC Current
0-20mA, 4-20mA

DC Voltage
0-10V, 0-24V

Digital Inputs
Any standard volt-free or open collector input

Outputs

Four NO/NC Relay Outputs are available.

Mobile Communications

Dual Band GSM Network
Can contact 4 mobile phone numbers, including central data logging computer.



Performance Characteristics

Parameter	Min	Typ	Max	Comments
Supply Voltage	11.2V	24V dc	30V	
Supply Current	12mA		400mA	Based on 12V dc supply Minimum when is Sleep Mode Maximum when dialling out
Input Impedance (mA)		160 Ω		
Input Impedance (Volt)		1 MΩ		
Output Relay Rating		1A @ 24VDC 0.5A @ 125VAC		60VDC Maximum 125VAC Maximum
Operating Ambient	0≡C		40≡C	
Storage Temperature	-20≡C		85≡C	
Relative Humidity	0%		90%	
Phone Network	Dual Band EGSM 900 & GSM 1800 (GSM Phase 2+)			
GSM Class	Small MS			
Transmit Power	Class 4 (2W) for EGSM 900 Class 1 (1W) for GSM 1800			
Antenna Design	50 Ω Antenna Interface			
Notes	Absolute maximum ratings indicate sustained limits beyond which damage to the device may occur. Device is protected against reverse polarity connection. CE Conformity R&TTE Directive 1999/5/EC LVD 73/23/EEC EMC Conformity in accordance with directive 89/336/EEC			

Installation Data

Mounting	Wall Mount
Orientation	Upright
Connections	Screw Clamp with pressure plate
Conductor size	0.5-4.0mm
Insulation Stripping	12mm
Weight	Approx 600g
Dimensions	210mm (w) x 112mm (h) x 50mm (d)

Ordering Information

Please contact Sales to discuss your requirements

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PC Configuration Software



Applications

Typical applications include:

- Vibration monitoring of motor and pump bearings
– complete package available including sensors
- Remote Plant status monitoring
- Environmental monitoring
- Monitoring of field based oil and gas assets
- Weather stations
- Water treatment plants
- Automated metering