

AS300SA GSM ALARM & MONITORING SYSTEM



Monitor and Protect Irreplaceable Samples / Valuable Assets

SIMPLE INSTALLATION

It's easy to install the AS300SA with the supplied bracket and industrial strength Velcro. Fit the probes into the equipment and plug them into the sockets. No phone line or line rental is required as the system uses a GSM network of your choice. Then program the settings into the AS300SA from a mobile phone.

MULTIPLE SITES

Several related sites can be alarmed and monitored within a single country or in several different countries. The system uses a GSM network so there is no limit to the distance or location.



- SETUP AND CHANGE ALL SETTINGS FROM A MOBILE PHONE, ALL PASSWORD PROTECTED.
Including
 - ◆ Contact Telephone Numbers.
 - ◆ Outgoing Message.
 - ◆ Input Settings.
- QUERY UNIT FROM A MOBILE PHONE
Including
 - ◆ Alarm Status.
 - ◆ Real Time Values of Input 1, 2 & 3 and Power.
 - ◆ Network Signal Strength.
 - ◆ Credit Value in Sim Card.
- ACKNOWLEDGE ALARM FROM A MOBILE PHONE
Including
 - ◆ Silences audible alarm on unit once acknowledged.
 - ◆ Once acknowledged, recipient's who have received an alarm text will be sent a message giving telephone details of the acknowledger.



The AS300SA is a new generation of monitoring and alarm systems. Make an informed decision on what action to take based on instant readings from the equipment monitored.

Sent at any time to your mobile phone - particularly useful if an alarm occurs when the person on call is out of the workplace, in the middle of the night, or at the weekend.

QUERY AN OPERATIONAL AS300SA

An operational AS300SA system has its probes in two ULT freezers.

Text the unit to receive their current temperatures and status.

Text the following to the AS300SA Unit.

1234Q (Note :- Q can be in upper or lower case)

And send it to **07519814891** the AS300SA Tel Number

A text will be returned to your mobile with the current status of the unit.





TEST ALARM FUNCTION

This allows the user to send a test message to the AS300SA unit to simulate a full test of an alarm on an input. This generates your chosen phone call and acknowledgement sequence.

DISABLE / DEFROST FUNCTION

This allows the user to send a text message to the AS300SA unit to disable either I/P1 or I/P2 for the desired time, up to 90 hours. Once this time has elapsed the input will be automatically reactivated to accept alarms.

CALIBRATION FUNCTION

This allows the user to calibrate input 1 or input 2 for temperature. This is done by disconnecting the probe and connecting the calibration key-fob to the selected input. A text message is sent to the AS300SA for the relevant input. The unit now carries out a calibration procedure which takes approximately 2 minutes. During calibration the relevant stages are indicated on the display.

SERVICE AND SUPPORT

We service and repair all of the electronic products we manufacture. All our goods carry a 1 year return to base warranty. If one of our products needs repair while under warranty, we will repair or replace it

ALARM & MONITORING APPLICATIONS

- ◆ ULT FREEZERS
- ◆ LN2 STORAGE
- ◆ INCUBATORS
- ◆ ISOLATORS
- ◆ CLEAN ROOMS
- ◆ FREEZERS
- ◆ FRIDGES
- ◆ COLD ROOMS
- ◆ CULTURE ROOMS
- ◆ CLIMATE MONITORING
- ◆ CRYOGENICS
- ◆ COMPOST
- ◆ TEMPERATURE, -200°C to +100°C
- ◆ HUMIDITY, 0 to 100%RH
- ◆ PRESSURE 0 to 100Pa
- ◆ CO2, 0 to 20 %
- ◆ OTHER APPLICATIONS AND RANGES AVAILABLE

Features and Benefits

The AS300SA is a new generation of monitoring and alarm systems. Make an informed decision on what action to take based on instant readings from the equipment monitored. Sent at any time to your mobile phone - particularly useful if an alarm occurs when the person on call is out of the workplace, in the middle of the night, or at the weekend.

With no need for a phone line or line rental the AS300SA is exceptionally easy to install. The programming of telephone numbers and input settings can be done from any location by a mobile phone with the relevant password.

Several units at different sites can be connected across the country or several countries, as the system uses a GSM network of your choice.

The AS300SA has many special features like the Defrost Function which allows an input to have the alarms disabled. The disabled period can be set from 0 to 90 hours from the users mobile phone. Once the disabled period has elapsed the alarms will become active automatically.

System Specification and Functions

INPUTS THAT ARE CONFIGURABLE

- ◆ I/P1 Precision Temperature +/-0.1°C. (-200°C to +100°C) other sensor can be configured e.g. CO2, Pressure, Humidity etc.
- ◆ I/P2 Precision Temperature +/-0.1°C. (-200°C to +100°C) other sensor can be configured e.g. CO2, Pressure, Humidity etc.
- ◆ I/P3 Volt Free.

OUTPUTS

- ◆ Relay.

CONFIGURABLE ALARMS

- ◆ I/P1, I/P2, I/P3, I/P RS232, Power Fail.

MEMORY

- ◆ Over 4000 readings.

TELEPHONE NUMBERS

- ◆ 5 Telephone Numbers.

PASSWORDS

- ◆ Master and Acknowledger 4 digit password. The Master is used to change or enable parameters and functions.

DISPLAY

- ◆ Display of Sim Number, Values of I/P1, I/P 2, Sim Value and Signal Strength.

GSM SIGNAL

- ◆ Visual indication of signal strength. Audible and visual indication if network strength is lost or low.

SIM CARD

- ◆ Low Credit Warning text message and visual, audible warning on GSM Unit.

BATTERY BACK UP

- ◆ Rechargeable Batteries

EXTERNAL DIMENSIONS

- ◆ 170H x 80W x 35D mm

TELEPHONE ALARM MESSAGES

- ◆ Up to five telephone numbers can be programmed into the AS300SA. A text message will be sent to a designated mobile and a synthesised voice message sent to a land line. The outgoing message can be up to 90 characters long and the value and input alarming is tagged on to the end of the OGM. A visual indication is given on the GSM unit when sending an alarm message.

FUNCTIONS INITIATED FROM MOBILE PHONE

- ◆ Enable or Disable GSM unit.
- ◆ Setup Alarm Parameters e.g. High Alarm, Low Alarm and Delay time for each input. (Delay time 0 to 90 minutes)
- ◆ Setup Telephone Numbers, mobiles and land lines.
- ◆ Enquire Details Including Alarm Status, Signal Strength, Setup Values, Amount of Credit in Sim Card and Input Readings.
- ◆ Acknowledge Alarms.
- ◆ Test Alarm Function.
- ◆ Disable / Defrost Alarm Facility For I/P1 and I/P2 to accept alarms. (0 to 90 hours)
- ◆ Calibration Function.
- ◆ Output Function. This allows the customer to turn the relay output on or off.

