AD340-DI1VM

Introduction

AD340-DI1VM extends the functionality of AD340-DI1 by adding voice message notification. When an alarm signal is detected on its digital input, it can send either a text message or a pre-recorded voice message to the designated users.   Text or voice alarm reset message can also be sent when the alarm condition is cleared.

Features

- Easy configuration: Configuration software, no programming included.
- Instant alarm notification: Alarm messages can reach users' mobile phones in seconds.
- Automatic alarm reset notification: A reset message can be sent to notify users that the alarm is cleared.
- Multiple message receivers: All specified users will be notified when alarm occurred or cleared.
- User defined messages: Message contents can be freely defined by users.
- Use wireless 4G LTE network: There is no need to install a fixed phone line.
- Guaranteed text message delivery.   If the user's mobile phone is offline, message will be stored by its 3G/2G service provider for a certain period of time and forward to the user when available.
- Provide text and voice messages notification.

Specification

Power

- Power Requirement: DC 10~30V
- Power Consumption: 5W maximum

Built-in 4G Modem

- Frequency Bands:
  LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28
  LTE-TDD: B40
- Support LTE/WCDMA receive diversity
- SMS: Point to Point MT/MO 及 Cell Broadcast
- USIM Interface: 1.8/3V
- Compliant to 3GPP E-UTRA Release 11

Alarm Input

- Input Type: Digital input (Dry contact closure) with photo isolation.
- Number of Inputs: 1
- Isolation: 5000Vrms

Messages and Phone Numbers

- Use SIM card for message and phone number storage.
- Users can define 1 alarm message and 1 reset messages
- Use any regular mobile handset to set message contents and phone numbers.

Voice

- Two user recordable voice messages
- Voice messages stored in non-volatile memory.
- Built-in microphone and speaker.

Operation

- 4 System LED: Ready, Signal, Alarm and Error
- 1 Input LED: Alarm input status indication
- 7-segment LED and 4 buttons for voice recording and playback.

Mechanical Block Diagram

- Dimension: 170mm(L) ×120mm(W) ×30mm(H)

Block Diagram