

AD340-CI64MS



Introduction

AD340-CI64MS extends AD340 AlarmCaller capacity to 64 alarm inputs by introducing a communication interface. Using the built-in RS-232 interface to connect to an IO device such as a PLC, it can receive alarm status from the device through communication. Supporting Modbus RTU, an industrial standard protocol, AD340-CI64M acts as a Modbus slave to get alarm inputs passively. Upon detection of an alarm input on the device, the corresponding text message will be sent to designated users. Alarm reset messages can also be defined and sent to indicate that alarm conditions have been cleared.

Features

- 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: User can be grouped and associated to alarm inputs. Different message can be sent to different users.
- 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, messages will be stored by its 4G service provider for a certain period of time and forward to the user when available.
- Use standard Modbus protocol: Connect to numerous existing industrial controller and instruments from different vendors.

Specification

Power

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

Built-in 4G Modem

- Frequency Bands:
GSM: 850/900/1800/1900MHz
WCDMA: B1/B2/B5/B8
LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28
LTE-TDD: B40
- Support LTE/WCDMA receive diversity
- SMS: Point to Point MT/MO & Cell Broadcast
- USIM Interface: 1.8/3V
- Compliant to 3GPP E-UTRA Release 11

Alarm Input

- Input Type: Communication
- Interface: RS-232
- Protocol: Modbus RTU, support both master and slave mode
- Number of Inputs: 64

Messages and Phone Numbers

- Storage: 64KB non-volatile memory.
- Users can define 64 alarm message and 64 reset messages
- Phone number can be grouped and associated with alarm inputs
- Message and phone numbers are defined on a PC and downloaded to the Alarm Caller.
- Configuration software included.

Communication

- 1 RS-232 port, connect to PC for configuration download and alarm input communication.

Operation

- 4 System LED: Ready, Signal, Alarm and Error

Mechanical

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

Block Diagram

