BQ119
Expandable GSM Control and Alarm Unit

BQTEK®

About Product

BQ119 is a GSM based relay control and input status monitoring device without integrated inputs or outputs. You can use our Modbus Relay Units (BQ351 or BQ352) as device relay outputs or you can use our Modbus Digital Input Unit (BQ360) as device inputs. By using these units you can reach up to 24 inputs and 24 relay outputs. You can also connect up to eight different Modbus units like analog input unit, PLC etc. as an input.

You can control relays or get the status of sensors that are connected to the inputs by sending SMS. By adjusting settings you can get SMS, e-mail or call notification, if there is a status change in the inputs.

BQ119 does not need any external device like phone or modem; all you need a SIM card. By sending SMS to the number you can control all functionalities of the unit.

BQ119 also has alarm settings which you can adjust according to the state of the inputs. If any activated alarm is triggered; the device can send SMS, make calls, and send e-mails depending on the settings of the input.

Properties

Power	12V DC 1A
Relay	BQ351 or BQ352
Input	BQ360 or Any Modbus Slave Device
Box	Desktop and Wall Mountable ABS
GSM Protocols	SMS
GSM	850/900/1800/1900 MHz
SIM Card Support	3V/1.6V
SIM Socket	Push Type
Antenna Connector	SMA Female
Working Temperature	-20 C to +70 C

Some Applications

◆ SMS Send with PLC

◆ Server room door alarm

◆ Cold storage door alarm

◆ Logistic car door alarm

◆ Remote motor control

◆ Cheap Alarm system

◆ Tank filling system

◆ Machine location find

◆ Server room Humidity and Temperature monitoring

◆ Industrial automation warning application.

You can use our mobile application SMS Asistan for both Android and IOS to set device properties easily. You can send RS485 telegrams to external device and get the answer.

What you can do with BQ100

◆ Warning Systems
Situation like machine faults, power cuts or power come backs you can be informed by using BQ119 which helps you to saves your precious time. If you are using another Modbus slave unit you can set alarm values according to this unit register like pressure, temperature etc.

◆ Remote Device or Machine Control Systems
You can turn on or turn off devices that are connected to the relay outputs of the BQ119 with sending SMS.

◆ Alarm Systems
BQ119 is not designed to be an alarm but you can use its unique features to act like an alarm system. By connecting it is input a magnetic contact or motion detector sensor you can activate a relay that is connected to a siren. You can set the BQ119 if motion detector or magnetic contact is activated turn on the siren for a while and sends SMS, makes call or sends e-mail immediately to you.