



**BENTEL**  
SECURITY

# BGSM-100

GSM and GPRS  
Communicator Interface



- Simulates land line
- Switches automatically to GSM Network in the event land line trouble (line down)
- 3 Open Collector Outputs
- GSM Quad-Band
- Antenna with magnetic base
  - BGSM-100KEA: metal bracket and 2m cable
  - BGSM-100KCA: 25cm cable
- Supports Contact ID communication format from a connected control panel for communication over the GPRS network
- 4 phone numbers programmable for Contact ID Dialer on GPRS
- Up to 100 telephone numbers (max. 16 digits) programmable for the remote activation of the OC output
- Manages and signals Incoming/Outgoing calls
- GSM signal indicator
- Land line overvoltage protection
- GPRS/Internet communication with receivers Sur-Gard System III / II
  - Remote activation of the outputs through caller identification
  - PC-programmable options



The BGSM-100 is an alarm communicator Interface. Simple to install and program (plug and play approach), it is compatible with any control panel communicating in contact ID format over standard phone lines (PSTN).

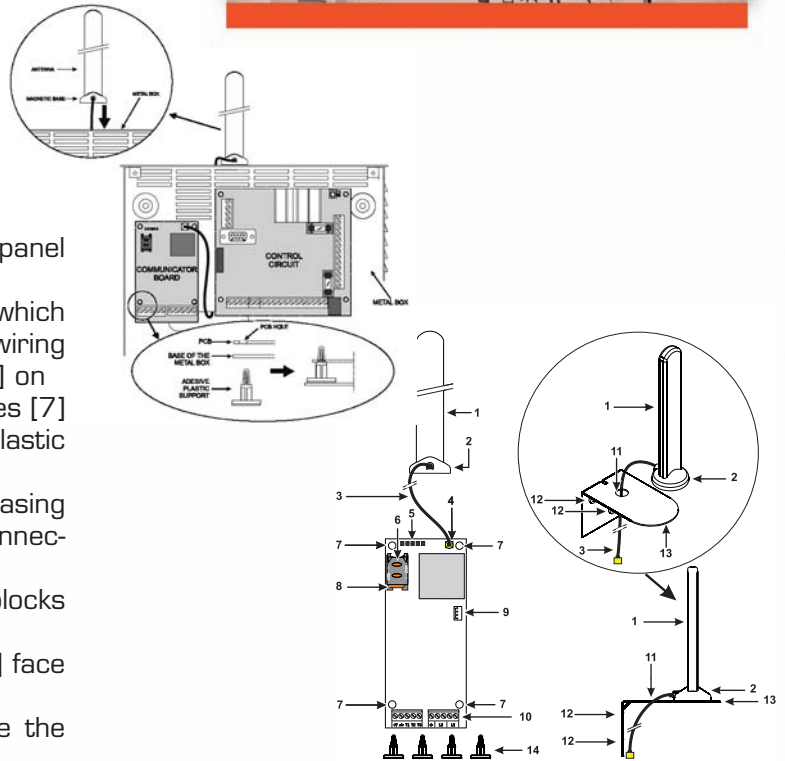
The BGSM-100 module is equipped with a quad band GSM/GPRS radio and remote antenna with magnetic base. Its extremely small size and low current draw allows for installation inside the control panel's cabinet and does not require an additional battery. Easy to service locally, the BGSM-100 allows module programming and diagnostics via direct PC connections.

The BGSM-100 is the best solution for reliable PSTN alarm communication back up for the majority of applications whether new or existing system upgrades.



### HOW TO INSTALL

- 1) Loosen the screws and remove the control panel cover
- 2) Establish an area inside the metal casing which can be used to hold the board, including the wiring
- 3) Position the 4 adhesive plastic supports [14] on the base of the metal casing, then fit the holes [7] on the Electronic board into the adhesive plastic supports
- 4) Fit the antenna [1] to the outside of the casing
- 5) Connect the wire [3] to the GSM antenna connector [4]
- 6) Complete the connections on the terminal blocks [10]
- 7) Following the arrow, insert the SIM-CARD [8] face down in the SIM holder [6]
- 8) The SIM-CARD PIN must be disabled before the card is inserted into the transmitter
- 9) Checking Signal Strength
- 10) Close the control panel cover



No.	Parts
1	GSM Antenna
2	Magnetic base
3	Antenna cable
4	Connector SMA for GSM Antenna
5	Status LEDs
6	SIM holder
7	P.C.B. fixing holes
8	SIM CARD
9	Connection cable for programming via PC
10	Terminal Blocks
11	Antenna cable feed opening
12	Metal bracket fixing holes
13	Metal bracket
14	Adesive plastic support

Input Voltage	between 9,6 and 27,6 V
Standby current	100 mA max (not including the outputs) at 13,8 Vcc
Alarm (Trasmitting) current	200 mA max (not including the outputs) a 13,8 Vcc
Outputs	3 open collector, 100 mA
Operating frequency	900/1800 Mhz or 850/1900 Mhz
Maximum loop resistance of line between the device connected in series on LI	1 Kohm
Maximum number of parallel devices connected on LI	2
Operating Temperature	5 to 40 °C / 41 to 104 °F
P.C.B. dimensions	60,45 x 142 mm
P.C.B. weight	77 gr