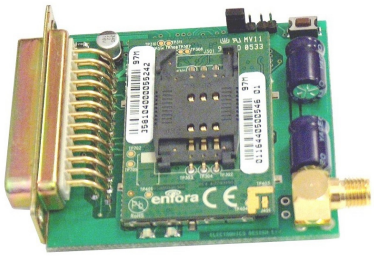
GSM / GPRS controller - GSMM



GSMM is a universal GSM controller which can be used for security, access control, home and industrial automation, data monitoring. For example, automatic phone dialer; communicator with the security panel; remote control for domestic appliances, gate or barrier remote opening; standalone alarm and access control system; etc.

Specification

Inputs:
- 2 optically isolated inputs
- 6 analog inputs

Electret microphone input

Outputs:
4 open collector outputs 30 мА 30 VDC

Speaker output 1W 8 Ohm

Programming interface: RS485

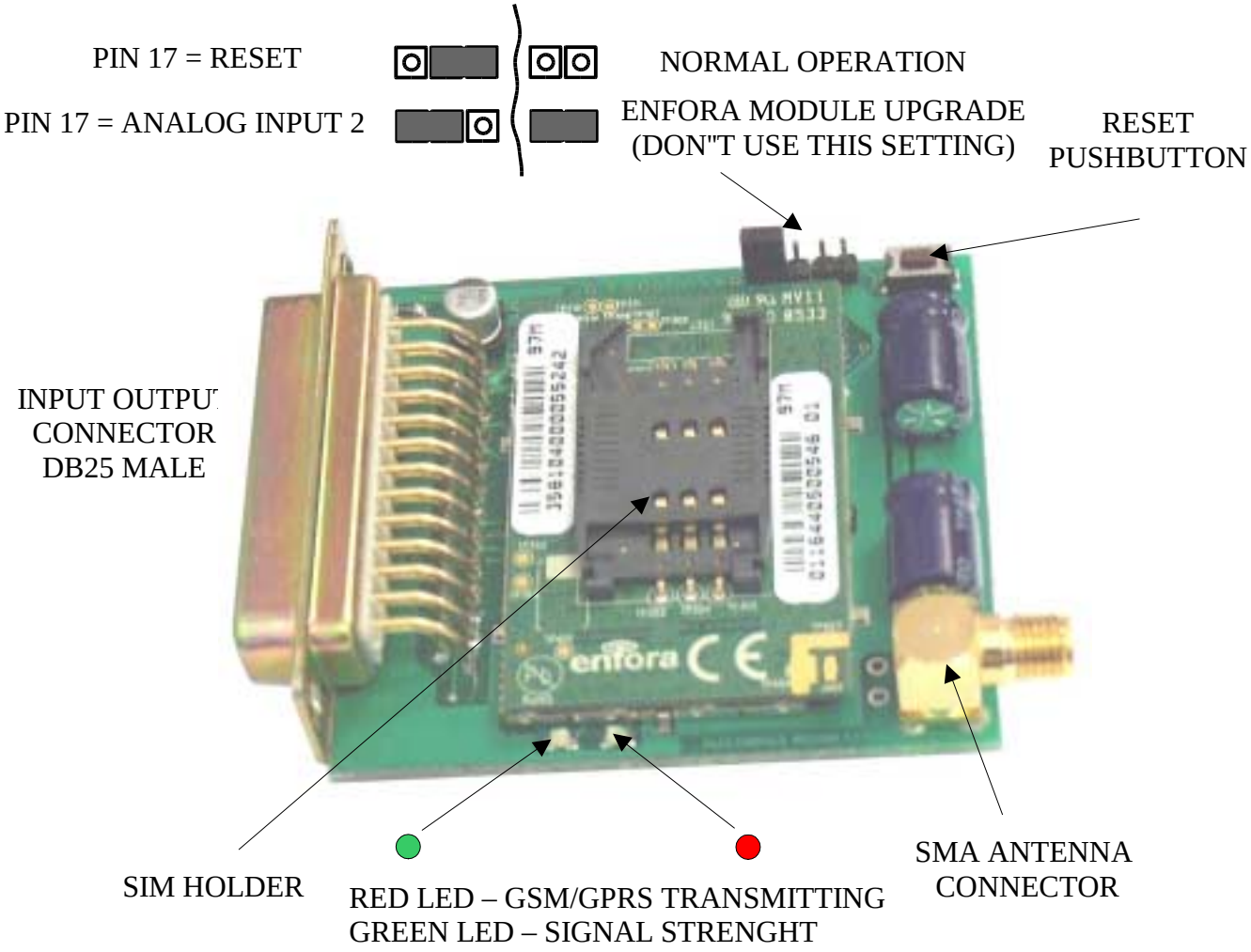
Power supply
- Supply voltage (pin 1)
  - Speaker is not active - 6,0 ... 14 VDC;
  - Speaker is active - 6,0 ... 7,5 VDC;
  - Supply current: Speaker is not active - 250 mA;
  - Speaker is active – 450 mA;
  - idle mode, sleep mode off – 80 mA;
  - idle mode, sleep mode on – 50 mA;
  - idle mode, deep sleeping – 30 mA.
  - Output regulator voltage (pin 15) - 4,3 VDC

SIM holder 3 V
Antenna connector SMA type

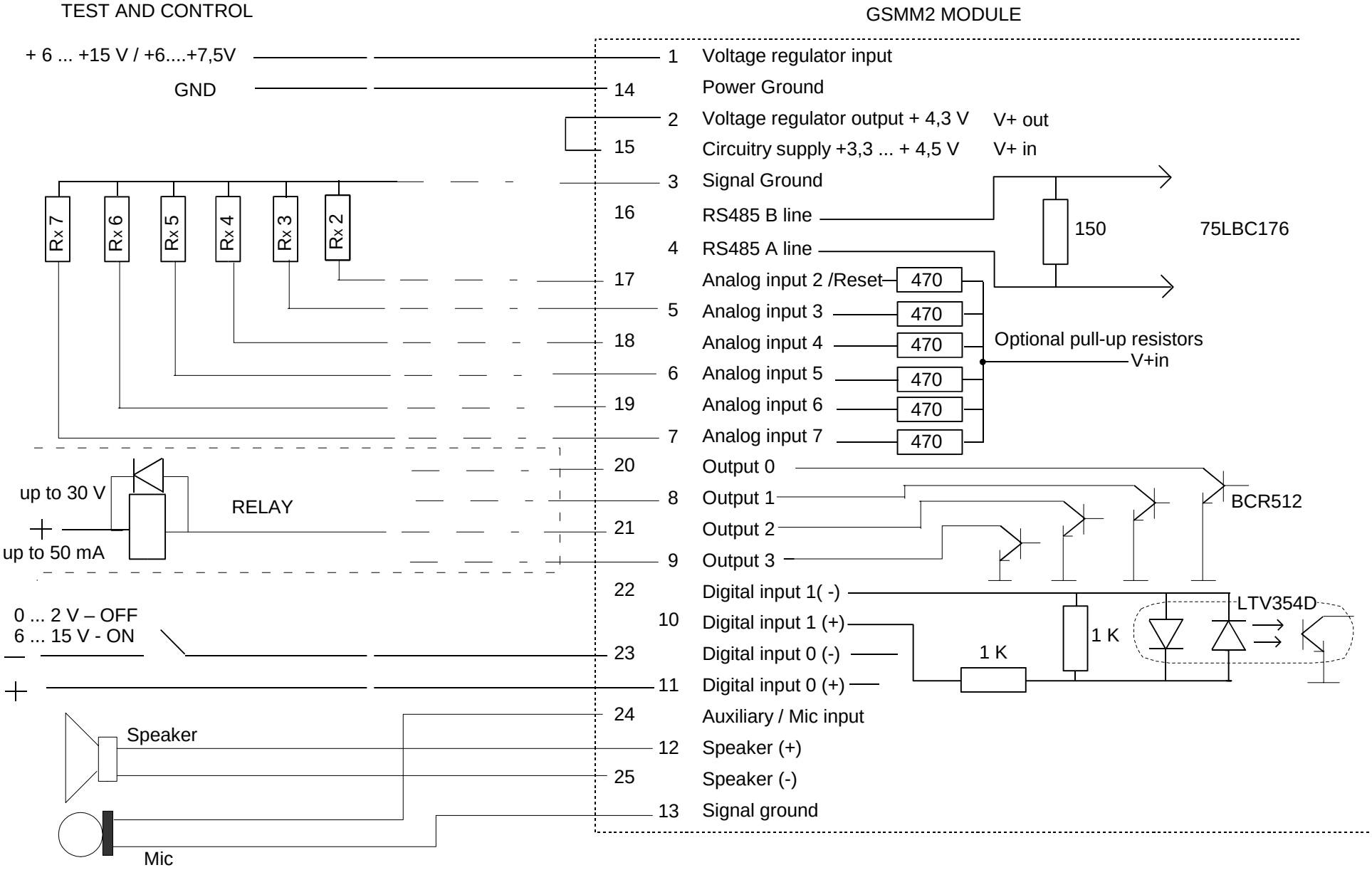
Firmware provides sending out alarm or information messages through SMS, voice calls, voice messages, DTMF, CSD, GPRS; information exchange trough ADEMCO Contact ID protocol; reception of the commands through SMS, DTMF, CSD and GPRS; saving log events in 4MB Data Flash; also controls battery charge/discharge and power availability. This makes the program unique as these characteristics enable it sending the last message until the battery runs completely flat, and then the gadget is turned off.

GSMM can be diagnosed, upgraded and configured through CSD (GSM Data) or RS232/ RS485 interface using GSM Config software, that can be downloaded from support page.

GSMM2 CONROL AND INDICATORS



GSMM2 INPUT - OUTPUT



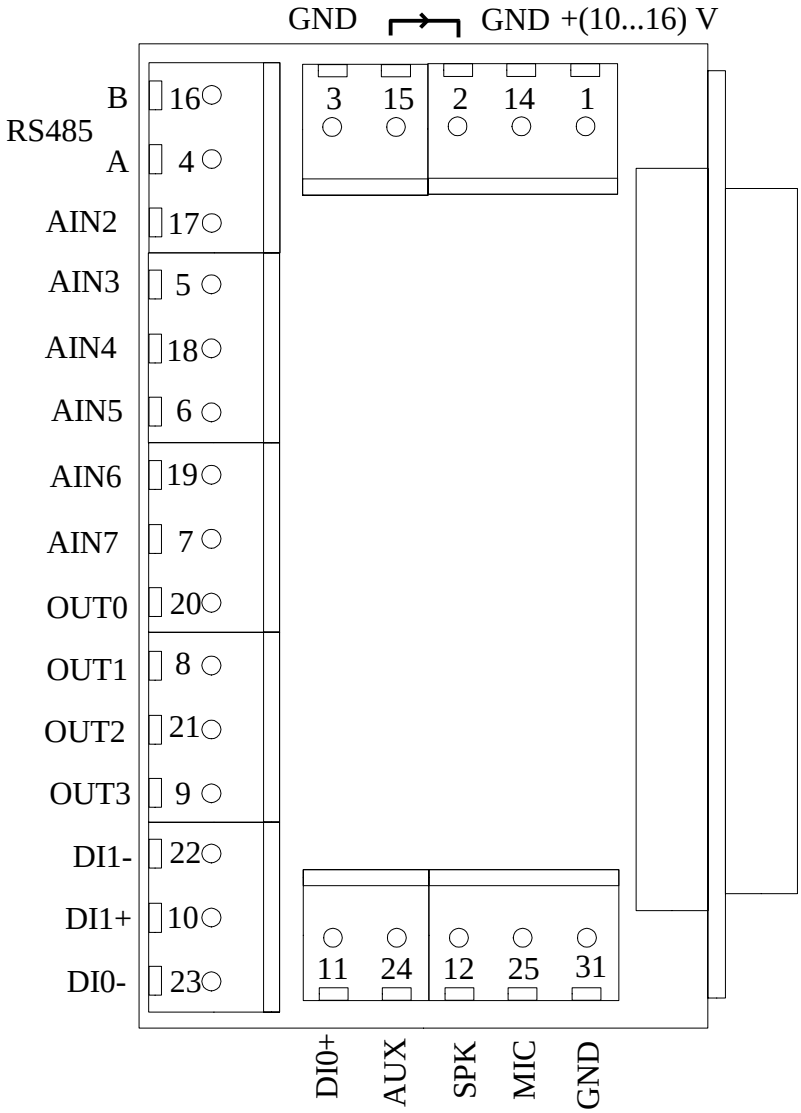
TERMINAL BOARD TB02

Terminal blocks for all inputs – outputs;

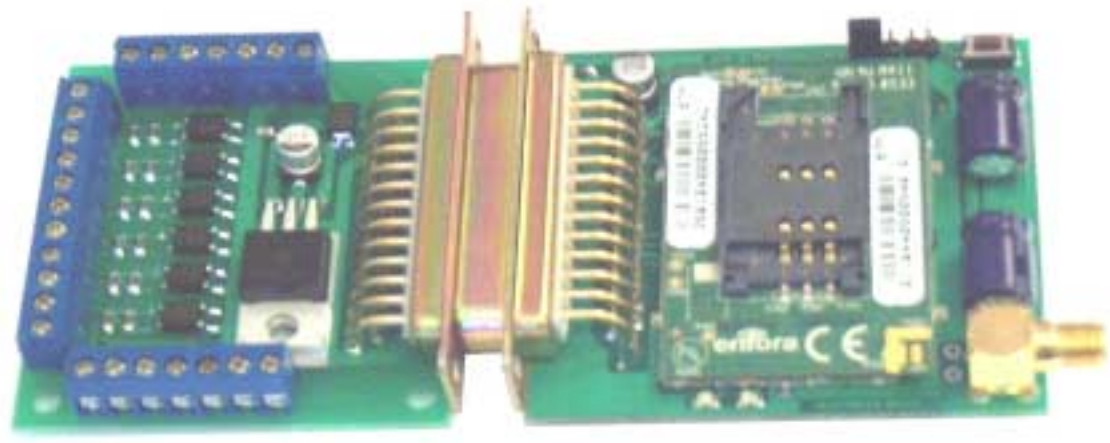
Additional voltage regulator extends supply voltage range to

10 ... 16 VDC in voice call mode and

10 ... 30 VDC in SMS mode



TERMINAL BOARD TB03



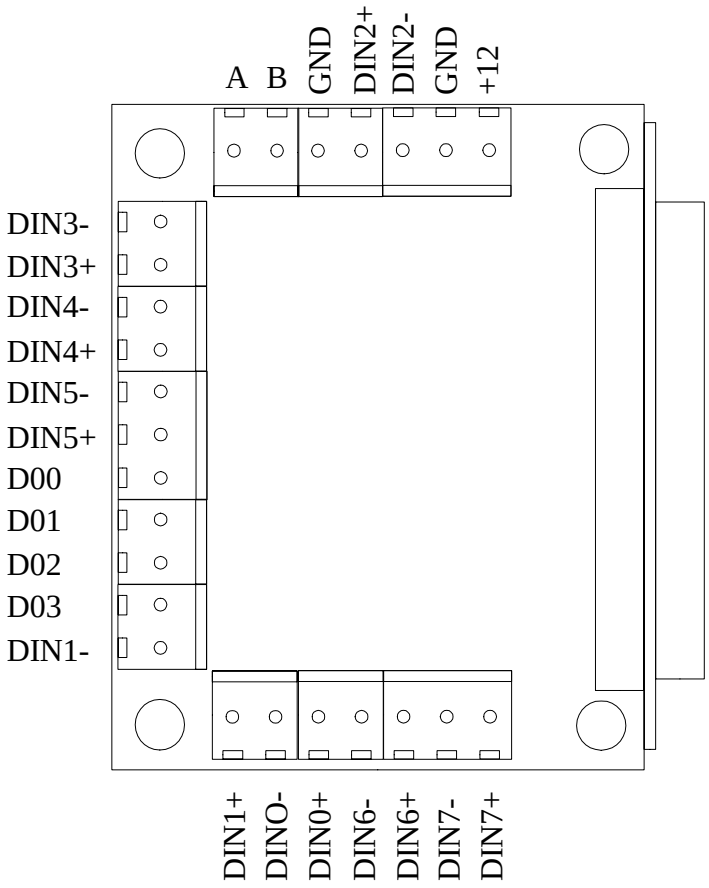
Converts 6 analog inputs into optically isolated digital inputs.

Total: 8 digital inputs, 4 open collector outputs.

Additional voltage regulator extends supply voltage range to

10 ... 16 VDC in voice call mode and

10 ... 30 VDC in SMS mode



TERMINAL BOARD TBB04

Reserve 1.1 Ah NiCd battery;

NiCd battery charger;

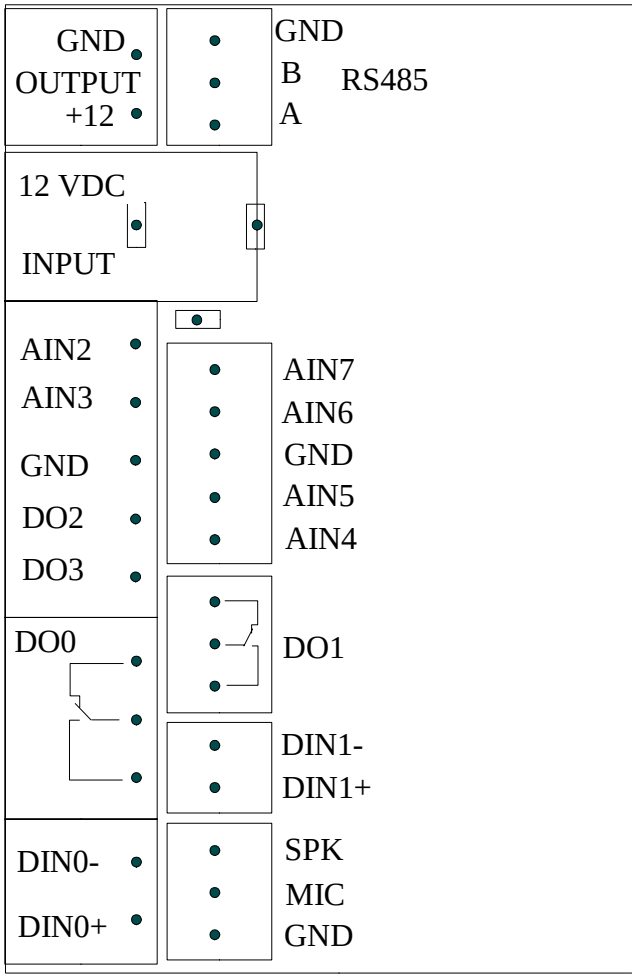
Terminal blocks or sockets for all inputs–outputs;

Supressor diodes on all analog inputs;

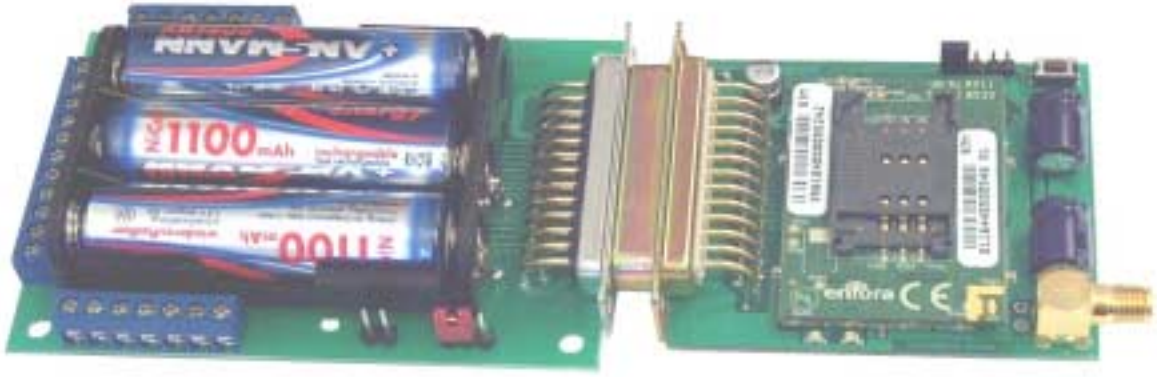
Two relays;

12 VDC power supply,

Optional external 12 V power adapter.



TERMINAL BOARD TBB05



Reserve 1.1 Ah NiCd battery;

NiCd battery charger;

Converts 6 analog inputs into optically isolated digital inputs.

Total: 8 digital inputs, 4 open collector outputs.

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