

# erco & gener

L'esprit modem >>



Applications in the fields of control and monitoring, energy counters, safety and industrial, require intelligent communication between machines.

The Gen 44i GSM / GPRS transmitter includes 4 inputs, 4 outputs and RS485 and RS232 serial links. The embedded application assures a quality liaison and the continuous availability of your equipment.

The Gen 44i offers an optional audio function and an extension card providing an extra 8 inputs, 8 outputs and 4 analogue inputs (4-20 mA).

## Gen 44i

- **PROGRAMMABLE TRANSMITTER**
- **GSM / GPRS COMMUNICATION**
- **BACKUP BATTERY**
- **MODBUS (SLAVE)**

# TECHNICAL CHARACTERISTICS

Gen 44i

## FEATURES

- E-GSM 900 /1800 MHz (or optional 850 / 1900 MHz)
- ETSI GSM Phase 2+
- Class 4 (2W @ 900 MHz)
- Class 1 (1W @ 1800 MHz)
- Alarm transmission (SMS or Data or DTMF code)
- Network presence test, acknowledgement management, conditional jumps, delay starts.
- 4 inputs - 4 opto-coupled outputs
- Output activation following reception SMS or DTMF code, with acknowledgement management.
- Status transfer
- Transmission of input contact status via Data or SMS
- MODBUS (Slave)
- Watchdog
- Power supply supervisor

## CONFIGURATION

- Simple script program language.
- Download configuration file via Hyper-Terminal or GenConfig (ERCO & GENER configuration application)

## INTERFACES

- Antenna: Male FME connector
- SIM card holder on front panel (SIM 3V)
- RS232 (Female 9-pin Sub-D)
- Screw connectors: Power supply, RS485, inputs / outputs
- Power supply: 7.5 Vdc to 30 Vdc

## AVERAGE POWER CONSUMPTION

- GSM 900 MHz:
  - 200 mA @ 12 Vdc in communication
  - 130 mA @ 24 Vdc in communication
- GSM 1800 MHz:
  - 180 mA @ 12 Vdc in communication
  - 110 mA @ 24 Vdc in communication
- Idle mode: 75 mA max @ 12 Vdc

## ENVIRONMENTAL & MECHANICAL

- Operating temperature: -10°C to +55°C
- Storage temperature: -30°C to +85°C
- Rail-DIN Case:
  - Height 118 mm x Length 137.5 mm x Width 45 mm
- Weight: 250 g

## APPROVALS

- R&TTE (Radio & Telecom. Terminal Equipment)

## OPTIONS

- GPRS Class 10 integrating the protocols TCP/IP, PPP RFC, TCP Socket, UDP Socket, SMTP, POP3, FTP
- 1 analogue input 4-20 mA
- Extension card: S0207 version B (8 inputs / 8 outputs / 4 analogue inputs 4-20 mA)
- Backup battery: S0189

## ACCESSORIES

- Magnetic antenna FME-F:
  - 4408000000 or 4408000003
- High gain antenna on mounting bracket FME-F:
  - 4408000200
- Power supply Rail-DIN 230 Vac / 12 Vdc - 3,5 A:
  - 0476414500
- Power supply block 230 Vac / 12 Vdc - 1 A:
  - 0471210700

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