

GRD

Device for Acquisition and
Remote Control, with GSM/GPRS
Cellular communication



The GRD family of products, allow distant control and supervision by means of data cellular communication, of any type of machine, control or process system, facilitating the implementation of Remote Telemetry systems

Using the GRD family of products you will be able to acquire information from different sensors, transducers, contacts or including data from a serial port, and then transmit this information to a Control or Telemetry system.

Together with Exemys Middleware software, a powerful tool is obtained for the implementation of Remote Telemetry systems in real time.

CHARACTERISTICS

- Digital Inputs and Outputs, (Opto-isolated, Relay or Transistor).
- Analog inputs for sensors, acquisition devices or Transducers.
- Transparent encapsulation of serial Communication protocols.
- TCP/IP communication over a GPRS data network.
- Optimization of use of the cellular network.

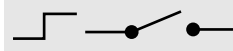
SPECIALS

- Pulse count input for meters.
- Time stamp datalogging.

ANALOG Inputs

0-10V / 4-20mA

DIGITAL Inputs



DIGITAL Pulse



DIGITAL Outputs

ON / OFF

DATA LOGGING Input

DD/MM/AA -HH:MM:SS

SERIAL Port

RSE232 / RS485



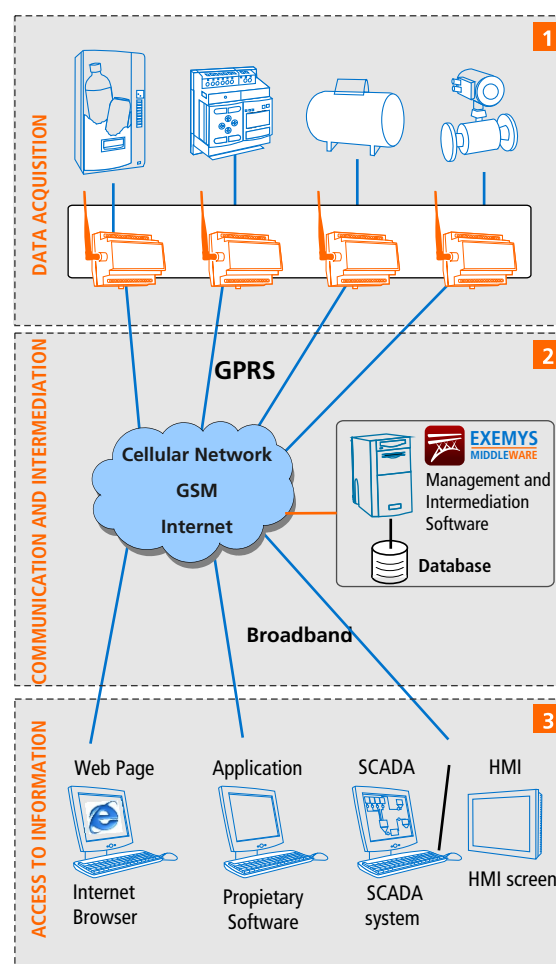
SPECIFICATIONS

- **Protocols:** GPRS, SMS, TCP / IP.
- **Serial Port:** RS232 / RS485 Transparent encapsulation of Protocols
- **Supported Devices:** Any device with RS232/485 Serial port.
- **Digital Inputs:** Transistor / Opto-isolated. Up to 16 Inputs
- **Digital Outputs:** Transistor / Relay. Up to 14 Outputs
- **Analog Inputs:** 0-10Vdc / 4-20mA. Up to 6 Inputs
- **Events Log:** Non-volatile memory and real time clock, for event logging
- **Pulse Input:** Fmax=50Hz, Pulse=10ms Min. Up to 2 Inputs
- **Management:** Serial or by network through "Middleware" Software.
- **GSM Bands:** 850/1900 / 900/1800 MHZ
- **GPRS:** Multi-slot class 8. Coding Scheme CS1-CS4
- **SIM:** Supports SIM's from all providers
- **Indicators:** Status LED. Data/Link LED. Power Supply LED.
- **Dimensions:** 150 x90 x 65 mm (AxApP).
- **Power Supply:** 10 a 30 Volts DC.
- **Avg Current:** 40mA@12Vdc, 25mA@24Vdc
- **Max Current:** 1A@12Vdc, 1A@24Vdc
- **Temperature:** Operational temperature: -5 to 65o C.

AVAILABLE FAMILIES

FAMILY	SERIAL PORT	DIGITAL INPUTS / OUTPUTS	ANALOG INPUTS	TYPE OF ANALOG INPUTS	COUNT INPUTS
GRD1000	RS232/485	---	---	---	---
GRD2001	RS232/485	16/14	---	---	---
GRD3002	RS232/485	16/6	6	6 x 0-10Vdc	---
GRD3003	RS232/485	16/6	6	6 x 4-20mA	---
GRD4002	RS232/485	16/6	4	4 x 0-10Vdc	2
GRD4003	RS232/485	16/6	4	4 x 4-20mA	2

EXAMPLE



MANAGEMENT SYSTEM ISO 9001:2000



exemys
www.exemys.com