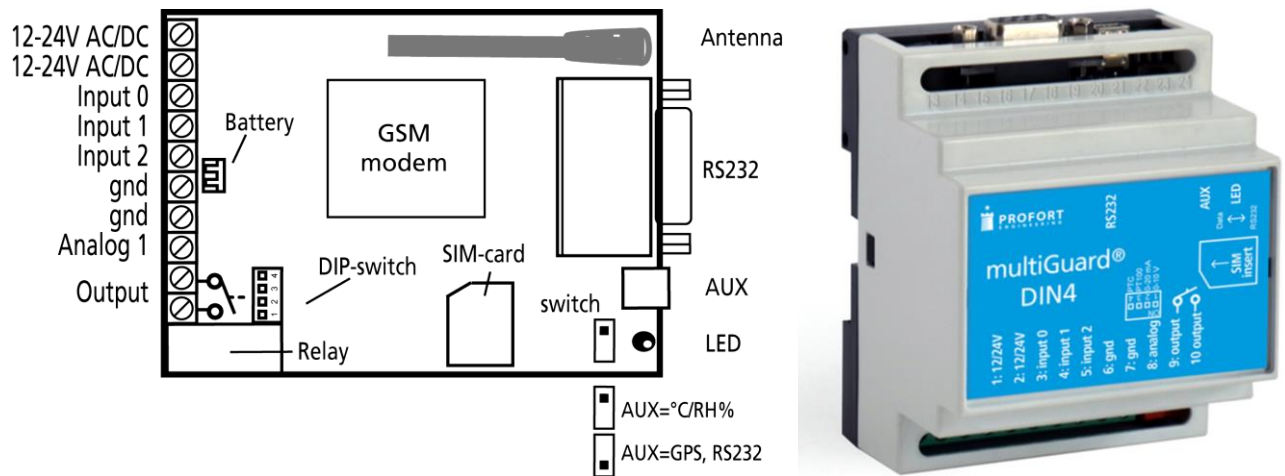


Data Sheet for multiGuard DIN4



DESCRIPTION

The GSM unit is designed for remote control, measurement and alarming via the GSM network. The unit fits on a DIN-rail, 4 modules in size. It is able to control electrical functions by activation of the relay via text messages, telephone call or the Profort portal on the Internet. Gives alarm as text message and DTMF-call when alarm inputs are activated. It is able to measure e.g. temperature, pressure and humidity on the analog input, log measurements. It alarms in case of power failure and power return if the 3,6V back-up battery is installed (optional).

The unit is Proforts smallest DIN rail unit with focus on the most used inputs and outputs from the series. If space is limited and there is only a need for one analogue input, one relay or a few digital inputs, this is the ideal version. When powered from Proforts 18Ah internal battery pack, the unit can be fully operational for up to 1 year in stand-by mode without external power supply.

Especially suitable for:

- Pump alarm
- Voltage surveillance
- Heat control
- Level measurement
- Alarm as text message and DTMF-tones for 25 receivers
- Full operation for up to 1 year with internal battery pack
- Management via the Profort web-portal and app for smartphone
- Built-in clock and calendar for heat control and alarm

SPECIFICATIONS

Relay output	1	Max current load: 6A at 230VAC/35VDC
Digital inputs	3	
Both gnd/24VDC activation	Yes	
Digital input high (gnd)	Interrupted or min 3VDC – max 12VDC	
Digital input low (gnd)	Max 1V, 2mA	
Digital input high (24VDC)	Min 18VDC – max 30VDC, 2 mA	
Digital input low (24VDC)	Interrupted or max 1VDC	
Galvanic separation	No	
Input 0	Alarm or ON/OFF switch (pulse or level from bypass switch)	
Input 1	Alarm or pulse/minute counter (max. 10 Hz, 6 digits)	
Input 2	Alarm or pulse counter (max. 10 Hz, 6 digits)	
Analogue input	1	
Input 1	0-10 V, 0/4-20 mA, PT100, Profort temperature sensor PTC or as a digital input	

Supply	12-24 V AC/DC, $\pm 10\%$ min. 0,5 A. Supply must not be grounded.
Power supply included	No
Battery	Internal 3,6V rechargeable li-ion or battery package (optional)

Dimensions	
Design	DIN-rail – 4 modules
Size	69x86x57mm
Weight	125g

Power consumption, on average	
– active mode	30 mA (12VDC)
– charging with battery	150 mA (12VDC)
– emergency supply	2 mA, with battery
– stand-by mode	1 mA, with battery

Antenna	
Internal	
External	Mounting via SMA-plug (optional)

Temperature	
Operation	$\pm 20-55$ °C
Stock	$\pm 30-65$ °C

Other connections
RS232 for connecting to PC or PLC
AUX (mini USB) for GPS, or probe with temperature and humidity sensor
Plug for internal battery
Holder for micro-SIM card

FUNCTIONS

Alarm receivers
Number: 25 (up to 8 zones/areas)
Text message
Call with DTMF tones
Via Internet
SIA-IP protocol on input #1
Screening for authorized users only (highest security level)
Alarm for latest user, who has contacted the unit
Easy change of alarming order
Acknowledgement for alarm reception by call with DTMF tones

Log	
Analogue log, measurement every ½ hour	24.576 (16 months' history)
Event log, alarm and set-up	256

Programming	
PC Program	Quick set-up connected via RS232 or GPRS/Internet
Text message	Send text message from mobile phone
Profort web-portal	via www.multiguard.dk

Other functions	
Macros for commands:	20
Calendar:	36 activities (every day, weekdays, specific date)
Delayed connection:	30 sec. connection/disconnection in monitored zone
Filter time on inputs:	10 sec. – 64 hours
Alarm only every 15 min.	Used with e.g. PIR movement sensor
Power alarm:	Never, immediately or after 30 min.
