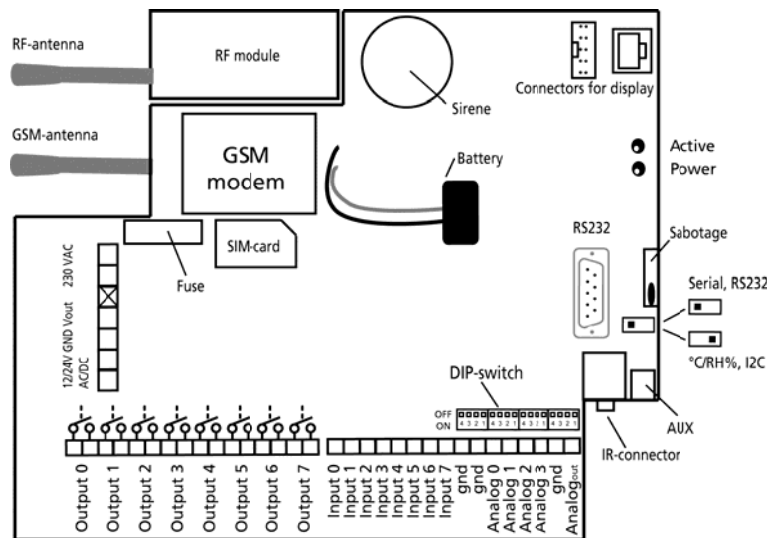


Data Sheet for Profort Industry max-module



DESCRIPTION

The Industry Max module GSM unit is adapted to remote controlled management, measurement and collection of technical alarms via the GSM network. Mounted in IP65 box. Is able to control electrical functions by activation of relays via text messages, phone calls or the Profort portal on the Internet. Gives alarm as text message, email, voice message or DTMF calls by influence of alarm inputs. Is able to measure, for instance, temperature, pressure and humidity with analogous equipment, log the measurements, notify in case of voltage errors and when the voltage returns.

The Industry Max module is the largest unit with built-in touch display. Here set-up can be managed, as well as alarms and measurements can be presented. The unit has a built-in wireless 868 MHz module for reception of wireless alarms and measurement results.

Particularly suitable for:

- Cold and freeze storage
- Waterworks
- Heating plants
- Panic alarm
- Alarm and temperature shown on display
- Logging of temperature, pressure, level etc.
- Built-in clock and calendar for light control and alarm
- 868 MHz module for reception of wireless signals

SPECIFICATIONS

Relay output	8	Max strain: 6A at 230VAC/35VDC
Analogue output	1	0-10 VDC, programmable. Max strain: 3 mA
Digital inputs	8	
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	Yes	
Input 0	Alarm or connection/disconnection (pulse or level from bypass switch)	
Input 1	Alarm or pulse/minute counter (max. 10 Hz, 6 numbers)	
Input 2	Alarm or pulse counter (max. 10 Hz, 6 numbers)	
Input 3	Alarm or pulse counter (max. 10 Hz, 6 numbers)	
Analog input	4	

Input 0 - 3 0-10 V, 0/4-20 mA, PT100 or Profort temperature sensor PTC

868 MHz module Receives signals from 60 senders

Supply 230V AC/DC, 12-24 V AC/DC, ±10% min. 0,5 A. Supply must not be grounded.

Power supply included No

Battery Internal rechargeable NiMH (acquisition)

10V/DC outlet Yes, max 100mA

Dimensions

Design IP65 box

Size 225x200x75mm

Weight 1500g

Power consumption, typically

– rest 30 mA (12VDC supply)

– all 8 relays activated 120 mA (12VDC supply)

Antenna

Internal GSM and RF Interior

External GSM and RF Montage via SMA plug option

Temperature

Operation ±20-55 °C

Stock ±30-65 °C

Other connections

RS232 for connection to PC or PLC Holder for SIM card

3.5mm Jack plug for transmission of IR codes for heat pumps Plug for battery

AUX (mini-USB) for e.g. camera, GPS and humidity measurer Plug for touch display

FUNCTIONS

Alarm receivers

Number: 25 (up to 8 zones/areas) Text message

Voice messages (90 sec.) Email (depending on operator)

Call with DTMF tones Via the Internet

SIA-IP protocol Set-up only for acknowledged users

Alarm for latest user Easy change of receiver order

Acknowledgement for alarm reception in case of call with DTMF tones Alarm shown on display

Log

Analogue log, measuring every ½ hour 73.728 (e.g. more than 4 years' history for one input)

Event log, alarm and set-up 256

Programming

PC Program Quick set-up connected via RS232 or GPRS/Internet

Text message Send text from mobile telephone

The Profort web-portal via www.multiguard.dk

Touch display Type in commands on display

Other functions

Macros for commands: 5

Macros for IR codes: 5

Calendar: 36 activities (every weekday, specific date)

Delayed connection: 30 sec. connection/disconnection in surveilled zone

Filter time on inputs: 10 sec. – 64 hours

Alarm only every 15 min. Used for e.g. PIR movement sensor

Power alarm: Never, immediately or after 5 min.
