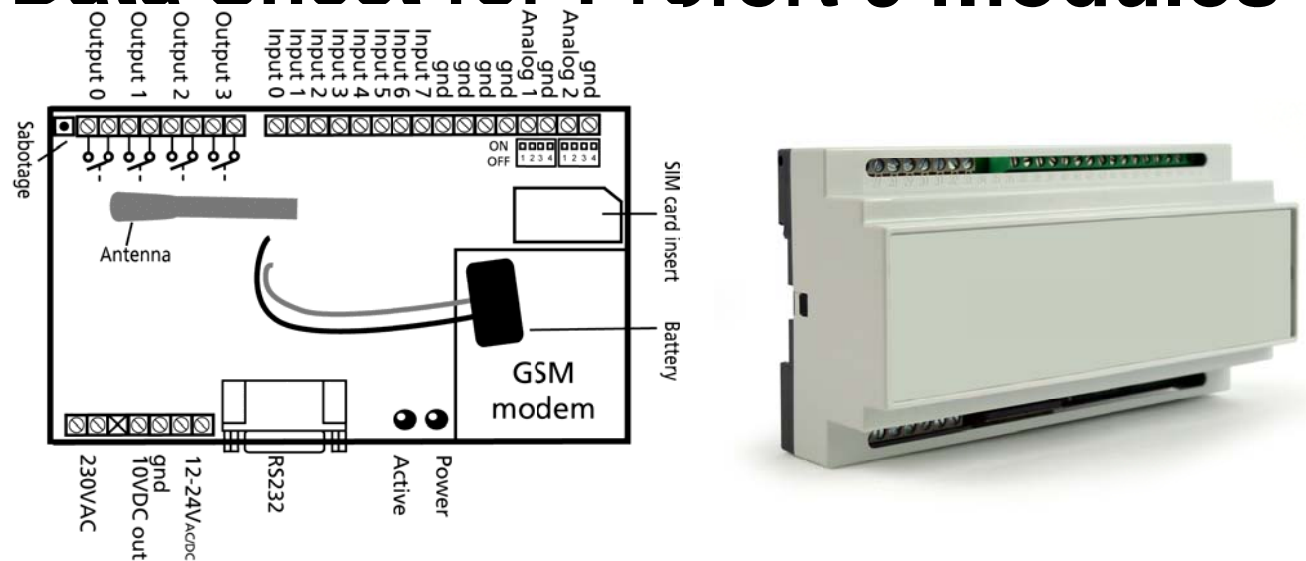


# Data Sheet for Profort 9 modules



## DESCRIPTION

The 9 modules GSM unit is adapted to remote controlled management, measurement and collection of technical alarms via the GSM network. Developed for panel mounting on DIN-rail. 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 call by influence of alarm inputs. Is able to measure e.g. temperature, pressure and humidity with analogous measuring equipment, log the measurements, notify in case of voltage errors and when the voltage returns.

9 modules is the larger unit with combined 230VAC / 12-24VAC/DC power supply. The unit has the option of connection with a 9 V rechargeable battery and has a 10VDC outlet for supply of, for instance, external units. The unit has 90 sec. built-in voice message module distributed to each input and alarm type.

### Particularly suitable for:

- Irrigation
- Alarm, slurry tanks
- Light control
- Control of pump wells
- Alarm as text message and voice message for 25 receivers
- 4 relay outputs for activation of e.g. contactors
- Management via the Profort web-portal and app for smartphone
- Built-in clock and calendar for light control and alarm

## SPECIFICATIONS

<b>Relay outputs</b>	4	Max strain: 6A ved 230VAC/35VDC
<b>Digital inputs</b>	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)	
<b>Analogue input</b>	2	
Input 1 and input 2	0-10 V, 0/4-20 mA, PT100 or Profort temperature sensor PTC or as digital input	

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<b>Supply</b>	230V AC/DC, 12-24 V AC/DC, $\pm 10\%$ min. 0,5 A. Supply must not be grounded.
Power supply included	No
Battery	Internal rechargeable NiMH (acquisition)
10VDC outlet	Yes, max 100mA

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<b>Dimensions</b>	
Design	DIN-rail – 9 modules
Size	157x86x57mm
Weight	360g

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<b>Power consumption, typically</b>	
– rest	30 mA (12VDC supply)
– all 4 relays activated	80 mA (12VDC supply)

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<b>Antenna</b>	
Internal	Interior
External	Montage via SMA-plug option

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<b>Temperature</b>	
Operation	$\pm 20-55$ °C
Stock	$\pm 30-65$ °C

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**Other connections**  
RS232 for connection with PC or PLC  
Plug for battery  
Plug for SIM card

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## FUNCTIONS

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**Alarm receivers**  
Number 25 (up to 8 zones/areas)  
Text message  
Voice message (90 sec.)  
E-mail (depending on operator)  
Call with DTMF-tones  
Via Internet  
SIA-IP protocol  
Set-up only for acknowledged users  
Alarm for latest user  
Easy change of receiver order  
Acknowledgement of alarm reception in case of call with DTMF-tones

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<b>Log</b>	
Analogue log, measurement every ½ hour	24.576 (e.g. 16 months history for one input)
Event log, alarm and set-up	256

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<b>Programming</b>	
PC program	Quick set-up connected via RS232 or GPRS/Internet
Text message	send text from mobile telephone
The Profort web-portal	via <a href="http://www.multiguard.dk">www.multiguard.dk</a>

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<b>Other functions</b>	
Macros for commands and IR codes:	10
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 with e.g. PIR movement sensor
Power alarm:	never, immediately or after 30 min.

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