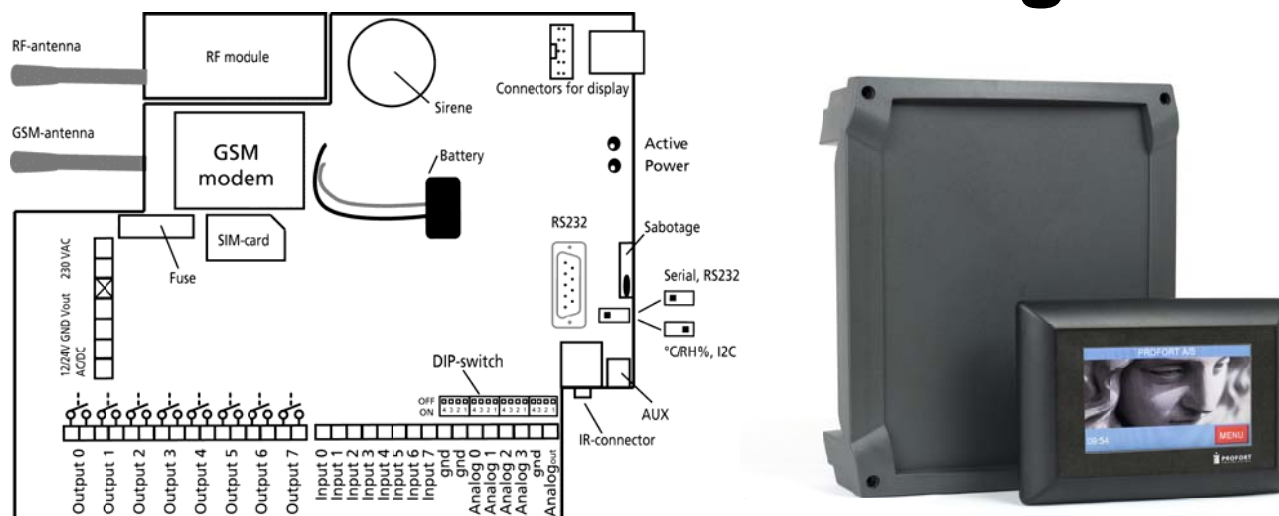# Data Sheet for Piccolo Light

DESCRIPTION

Piccolo Light is a central alarm unit for object protection. The unit is able to receive alarms and measurements from 60 wireless detectors.

Piccolo Light has an external satellite display with touch. From here the set-up can be managed. Alarms and measurements are shown on the display, activates built-in siren, are forwarded via the GSM network, activate output relays or are forwarded to external equipment via serial RS232 interface.

Particularly suitable for:

- Departments of large museums
- Smaller museums
- Temporary installations
- Panic alarm and climate measure

- Alarms, humidity and temperature shown on display
- Logging of humidity and temperature
- 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 the Profort temperature sensor PTC	
868 MHz module	Receives signals from 60 senders	

PROFORT
ENGINEERING

Profort data sheet

Series: Piccolo

Product: Piccolo Light

Date   Oct. 2014

Version   5.05

Pages   2/2

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 hest 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	Den text message 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.

PROFORT
E N G I N E E R I N G