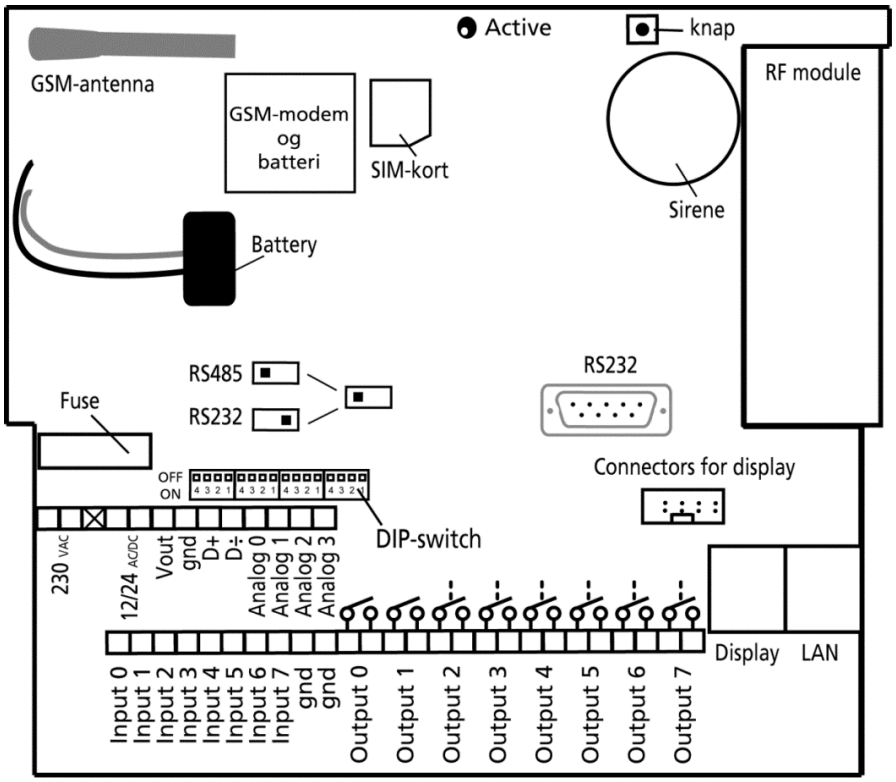
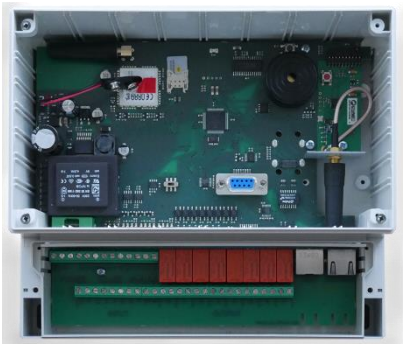
## Installation

1. Piccolo Light/multiGuard Master RF can be installed without using communikation via GSM, but if a SIM card is installed in the unit you will be able to receive alarms as text message and email. You will also be able to perform set-up and service via the Profort web-portal or via your mobile phone.
2. Prepare a SIM card so that the PIN code is 1234 or deactivated and test if text messages can be sent or received. Mount the card in the unit. The unit now has password 1234 or runs without a password. The card is inserted as shown below.
3. Mount the unit near the security staff and as high and free as possible (never in a steel cabinet).
4. Connect inputs, outputs and power cable (230V/12-24V AC/DC). If necessary a rechargeable 9V battery.
5. Turn on the power. A lengthy 'beep'will sound and the display shows: "BUSY…" After approx. 20 secs. 4 'beeps' will sound. The display now shows: "NO ALARMS".

## Piccolo Light/multiGuard Master RF interior



**DIP-switch for analog input**

| | |
|---|---|
| 1 ON: | 0-10 VDC |
| 2 ON: | 0/4-20 mA |
| 3 ON: | PT-100 |
| 4 ON: | Profort temp. sensor |
| All OFF: | digital input |

**Voltage**

Output: AC max. 230 VAC, 6A
DC max. 30 VDC, 6A
Input, digital: max. 24 VDC
max. power 2 mA
Input, analog: max. 0-10 VDC
Only connect voltage when DIP-switch 1 is on, og 2-4 are off

## Browser set-up via the internet

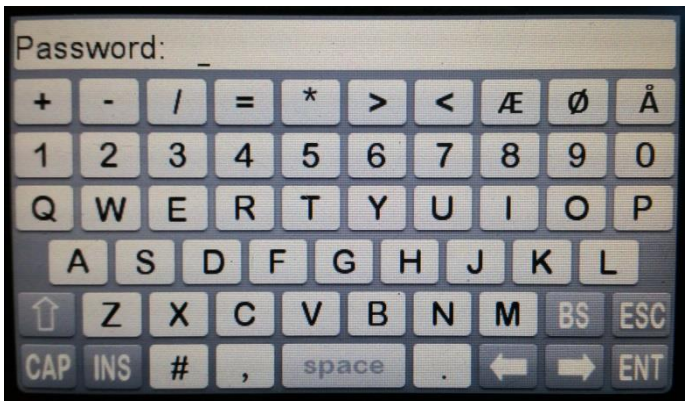
1. **Note**: The SIM card must be installed in Piccolo Light/multiGuard Master RF before set-up commences.
2. Open a browser on your PC, tablet or smart phone.
3. Enter http://setup.masterview.dk in the address field (or login via www.profort.dk). Log in to the portal or register as a new user. An unlimited number of units can be attached to each user and multiple users can be attached to the same unit.
4. Create a new device in the list and select Piccolo Light or multiGuard Master RF. When you press SAVE, the portal sends a text message to the unit that connects it to the Profort server via GPRS / Internet on the SIM card. All additional settings are then sent as data.
5. Fill in the required information and press 'send and save'. Now the unit is ready to use.

## Start-up

The display operates as a touch screen, i.e. the buttons are on the screen itself. To start, press MENU. You are now redirected to a keyboard that requests a password. To return to the standby page, press ESC.

1. **Login:**

   To access the display menus, log in using a password. The default password is 1234. Press MENU - Enter the 4-digit password - Press ENT.




   I In 'Password: _', it is not necessary to enter 1234 the first time you start up, as the unit already knows the default password 1234 in advance. Skip forward by pressing ENT.

2. **Create a wireless detectot:**

Start the detector by inserting the battery. Press DETECTORS in the menu - Press ENTER. Activate alarm from the desired detector. Make sure it is the enabled detector's serial no. (six digits), which appear in the NR. If not, repeat the procedure.

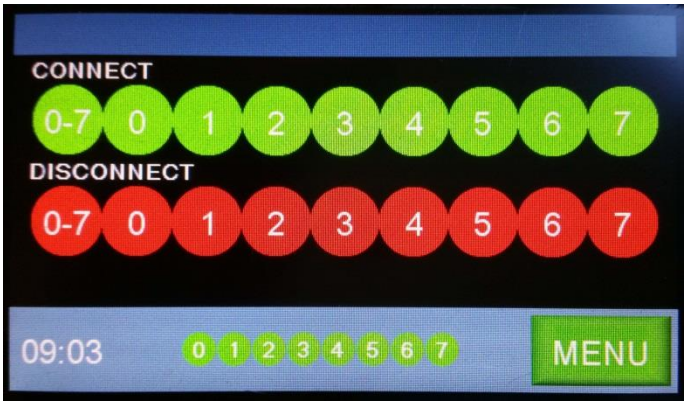


Enter the information, that identifies the individual detector: Mount all detectors on the items to be monitored.

The higher and more free the wireless detectors are placed, the better the signal conditions.

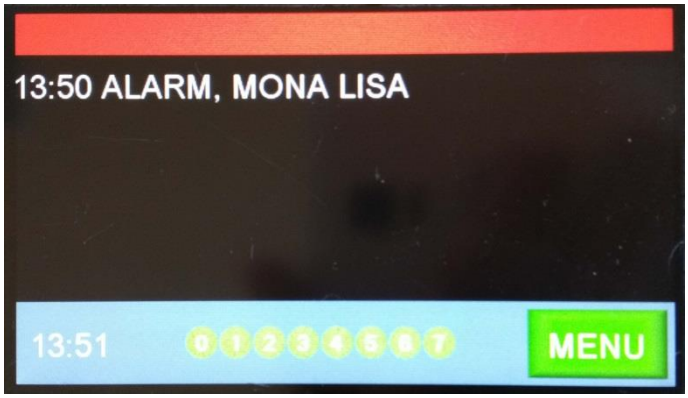
3. **Connecting and disconnecting the unit:**

Enter the 'ON / OFF' menu and touch the zone to be switched on or off. Pressing '0-7' will switch all zones on and off at once. In the bottom row you can see which zones are active.



4. **Receiving alarm:**

   If an alarm is triggered on a detector, an alarm will appear in the display that shows the information on the current.alarm.

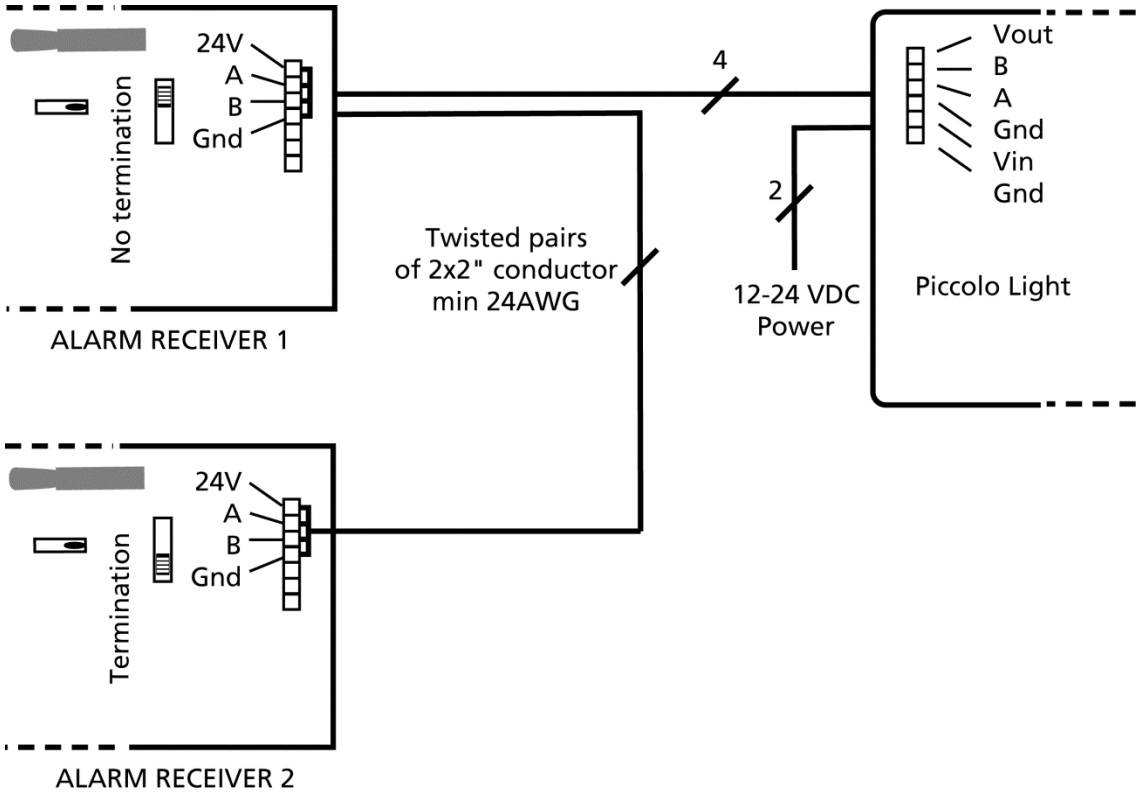



   If you want to reset the alarm, press 'Menu' followed by 'Reset alarm'. Now the screensaver will appear.


For additional help: see the manual on www.profort.dk

## Piccolo Light with RS485 interface for external alarm receivers

Piccolo Light is available in a version with the option of external alarm receivers. Up to 3 external alarm receivers can be connected. These are connected as shown below:




If external alarm receivers are used in an RS485 bus system, be sure to make a termination (resistor termination) of the remotest alarm receiver. To do this, turn the switch on the print: Set the switch to'Termination'.

**Important !!:**
Piccolo Light must be restarted after mounting external alarm receivers. This also applies if the configuration is with PoE / UDS1100.

## Monitoring of detectors and alarm receivers

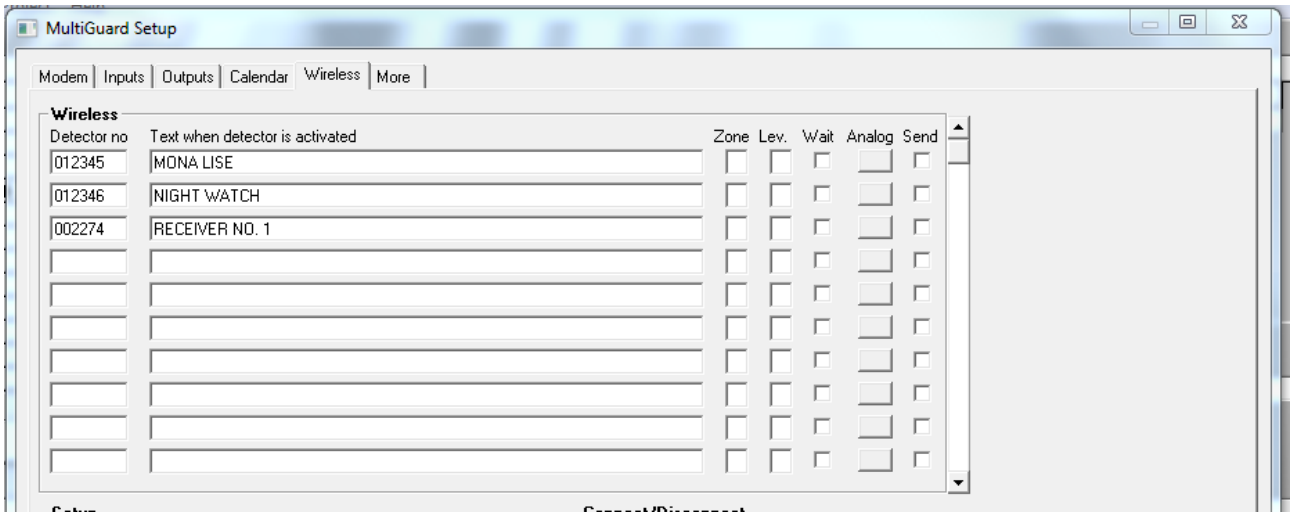
The system can send a warning if units connected to Piccolo Light are no longer communicating with the control panel. This applies to both wireless detectors and external alarm receivers. Communication can be interrupted by weak signals between detector and control panel or cable break between alarm receiver and control panel. It is also possible to monitor battery status on the wireless detectors.

If you want a warning, detectors and alarm receivers must be created with serial number and text. At the same time, Piccolo Light must be programmed to send a message when there is no response from detectors and receivers and in case of low battery warning.

Programming can be done via display by typing the following instructions in 'Programming':

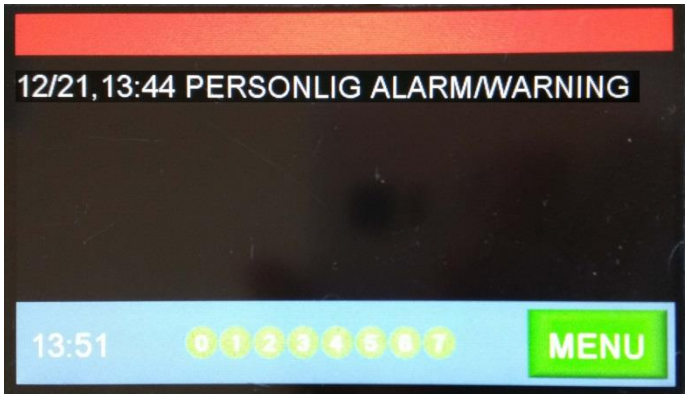
FN (instruction for monitoring)
FB (Low Battery Warning Instructions)

Detectors and receivers that need to be able to send alarm and send error messages must therefore be created in the list of detectors, as shown in the figure below.




If Piccolo Light is set to monitor the wireless detectors and alarm receiver and has not received signals for 30 minutes, Piccolo Light will issue a 'warning' on the current unit.

'Warning' will be displayed in the alarm image and stored in the log.



# SPECIFICATIONS

**Power supply**

230V AC min. 0,1A
12-24V AC/DC min 0,5 A
NB! Supply must not come into contact with the ground.

**Usage**

Approx. 30 mA when resting (supplied with 12 V)
5 W supplied with 230 V

**Outputs**

Max. 6 A at 230V AC
Max. 6 A at 35V DC

10VDC output supply. Max 100 mA.

**Inputs, digital**

Max. 1V, 2 mA (GND)
Min. 18V max 30 V (24V DC)

**Inputs, analog**

0-10V DC
0/4-24mA
PT-100
Profort temperature sensor (007995)

**Wireless detectors**

Max. no. of wireless detectors: 126
Max. no. of analog climate detectors: 32

**Serial connections**

RS232 for setup or connection to e.g. PLC Modbus for external units, e.g. energy meters

**Counter**

Max. 10Hz. with 6 digits. Programmable initial value. Optional alarm threshold with zero position.

**Dimension**

IP65 waterproof box
215x185x95 mm
Weight: 950 g.

**Temperature**

– 20 °C - +55 °C

**Antenna**

1 internal antenna for GSM-modem

1 internal antenna for RF signals (not applicable for models with RS485 interface for external receivers)

## OTHER PRODUCTS IN THE SERIES

**multiGuard® DIN6**

- 2 relay outputs
- 4 digital inputs
- 1 analog input
- 230V/12-24V power supply (acquisition)
- 9V re-chargeable back-up battery (acquisition)
- DIN-rail with six modules
- Modbus interface

**multiGuard® Master IO**

- 8 relay outputs
- 8 digital inputs
- 4 analog inputs
- Wireless 868 Mhz receiver (acquisition)
- 230 V / 12-24 V power supply
- 9 V rechargeable back-up battery (acquisition)
- Modbus interface
- IP-65 box

**multiGuard® Remote IO**

- 1 relay output
- 2 senders of infrared codes for heat pump control
- 3 digital inputs
- 1 built-in temperature and humidity sensor
- 1 recorder for infrared codes
- 12 VDC power supply (inclusive)
- 3,6 V Li-ion back-up battery (inclusive)
- Design box for wall mount
- Plug for external IR-transmitter

**IP-65 box for multiGuard® DIN4/6/9-series**

- Waterproof box
- DIN-rail for 4/6/9 modules
- 3 PG inputs

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