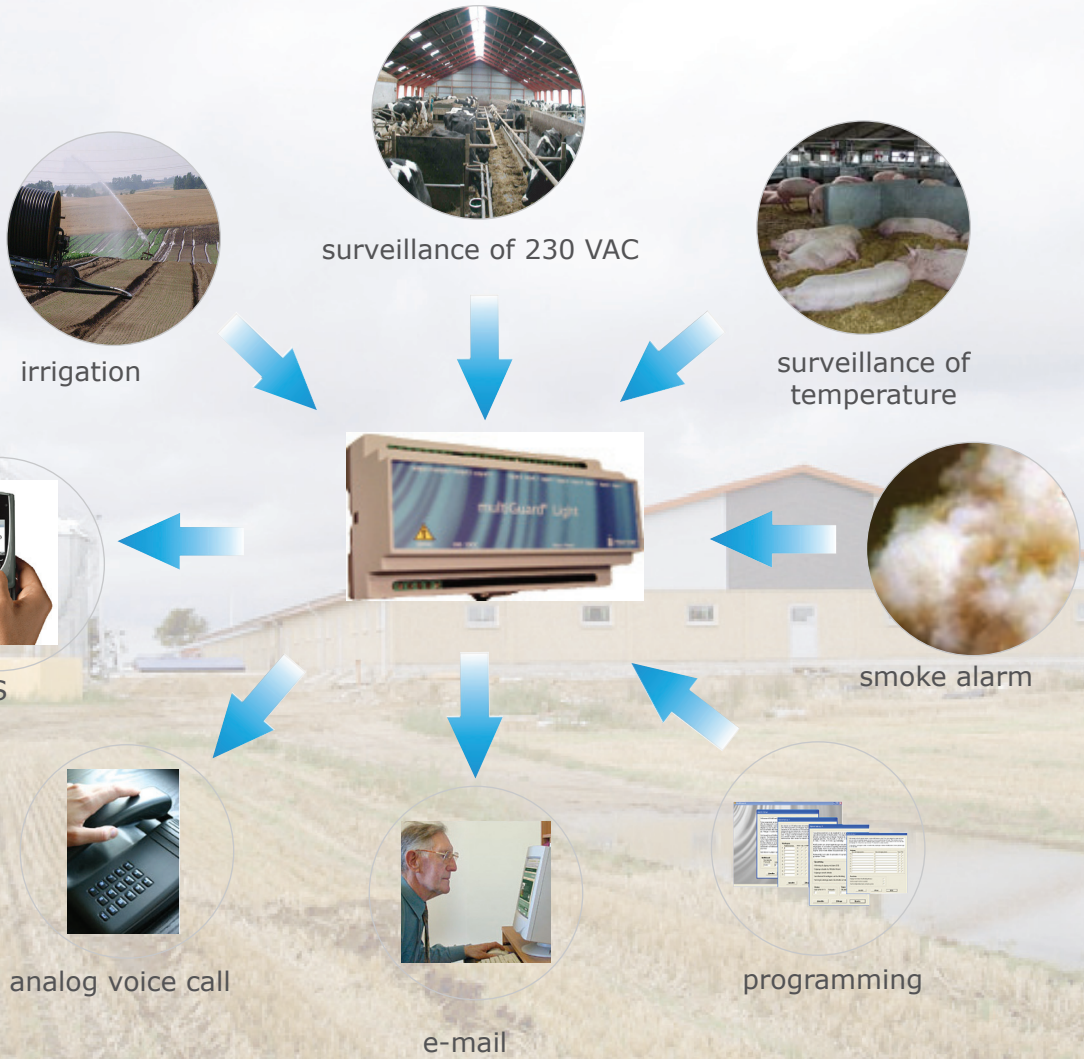


Integrated GSM surveillance and control



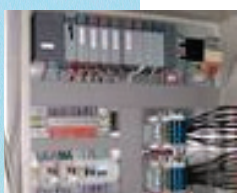
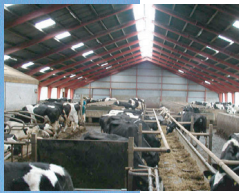
Distributor:



multiGuard® Light
- designed, developed and produced in Denmark

Security integrated in one unit

multiGuard Light is a complete unit for surveillance and control of technical installations. Alarms from various systems are received in only one unit which is easy to operate, adjust and maintain.



Supervision of power

multiGuard Light can, with a built-in 9V rechargeable battery, detect power failure and send an alarm. The unit is operational for at least 30 minutes on battery supply.

Surveillance of temperature

Animals can be very sensitive to heat or frost.

multiGuard Light can send an alarm in case of failure in heating or ventilation.

Smoke alarm

With smoke detectors installed multiGuard Light can send an alarm in case of smoke. The surveillance can be split in zones and alarms can be indicated by sirens and calls to max. 9 telephone numbers with information about in which building the smoke has been detected. NB. multiGuard Light is a supplement to the existing fire-alarm.

Irrigation

A water pump can be activated remotely from your mobile phone. You don't have to go and start the pump manually. You receive a confirmation that there is pressure in the pipe, and an alarm if the pressure drops and the irrigation stops unintendedly.

Burglary

With magnet switches and infrared detectors you can use multiGuard Light as a burglar alarm. multiGuard Light can be activated by an internal clock and send alarm with sound, light, SMS and automatic phone calls.

PLC-Control

You can receive a SMS with details about failures or the working conditions from installations controlled by PLCs. The RS232 interface of the GSM-module is connected to the PLC-control which transmits the information via SMS, eventually also as e-mail directly to the person responsible for technical support.

Administration



You can program the unit using a PC-software which guides you through the setup step by step.

If you have already set up the unit you can also add changes to the setup from a mobile phone or from a PC connected to a GSM.modem.

The software also contains an alarm log which gives you easy and quick access to previous alarm information.



Alarm by power failure

~~230 VAC~~



central unit

+



backup battery



power failure

Temperature alarm



outside



inside



temperature probe



central unit



temperature alarm

Smoke alarm



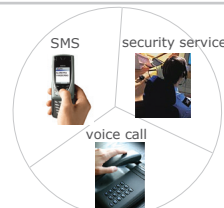
smoke



smoke detector



central unit



alarm reception

+



siren

Start irrigation plant, pumps etc. remotely



SMS or



analog voice call



central unit



relay



Burglary



magnet switch for doors and windows



central unit



alarm reception

+



siren



signal lamp

Alarm from PLC



PLC



central unit



alarm on mobile



alarm on PC

multiGuard® Light

- 4 outputs
- 8 inputs (eventually 1 used for counting pulses)
- 2 analog inputs
- 9 phone numbers (SMS, voice, e-mail)
- Rechargeable backup battery, 9V (optional extra equipment)
- 230V/12V power supply
- Built-in antenna (external antenna possible)
- Voice message, 40 sec.
- RS232 port to PC or PLC
- DIN-rail, 9 modules

Accessories



External antenna
External GSM antenna with 2,5 m. cable.
Profort: 007011



multiGuard Micro
GSM-unit with 1 output and 1 input for 12V.
Excl. battery.
Profort: 009012



Lithium 3,6V battery
Lithium battery. Supplies multiGuard Micro for 6 months without charging.
Profort: 009010



multiGuard Basic
Unit with 8 outputs and 8 digital + 2 analog inputs for 230V/12V.
Profort: 007008



Built-in 9V rechargeable battery



PC-Software
• PC-SW Professional set-up
Profort: 007011

• PC-SW Basic set-up
Profort: 900202

• PC-SW Quick set-up
Profort: 007996



USB-RS232 converter
USB to RS232 converter cable for programming from laptop PC.
Profort: 301055

Detectors etc.:



Temperature probe
• Area: $\pm 25 - +50^{\circ}\text{C}$,
 $\pm 2^{\circ}\text{C}$
Size: $\varnothing 6 \times 50\text{mm}$ with 2,5m cable.
Profort: 007995

• Area: $\pm 5 - +35^{\circ}\text{C}$,
 $\pm 1^{\circ}\text{C}$
Size: $\varnothing 6 \times 50\text{mm}$ with 2,5m cable.
Profort: 007996



PIR detector
PIR-detector for 12V.



Smoke detector
Detector for 12V.

Smoke Detector - bracket
Bracket for detector



Keypad
Keypad, for entrances

multiGuard® Light



Profort
007011