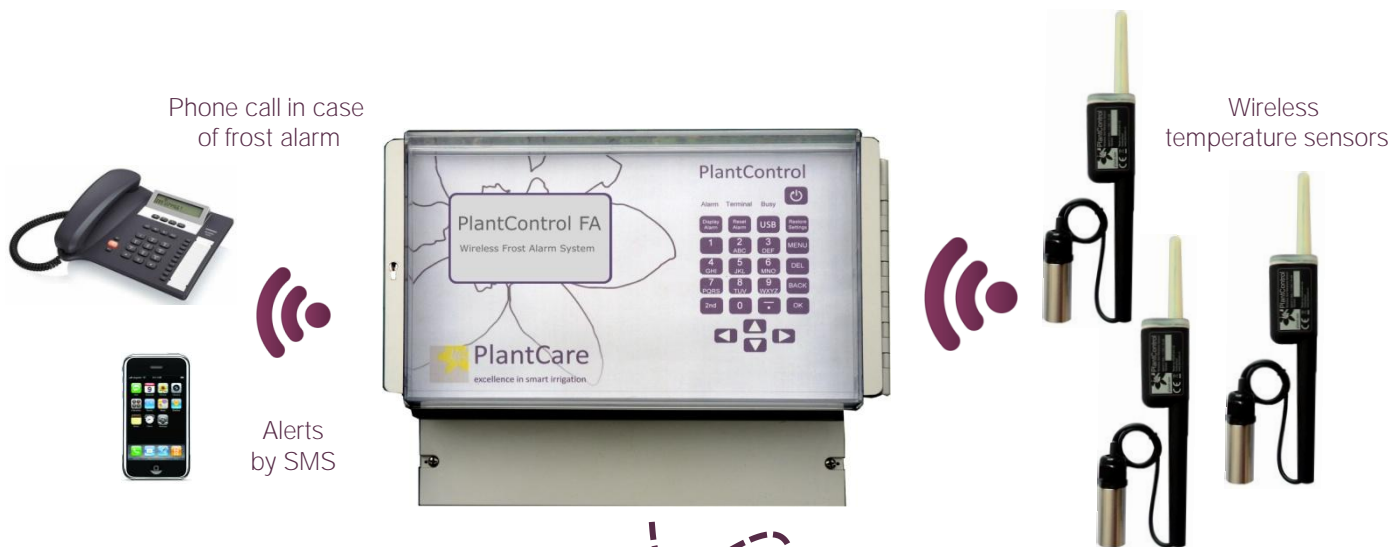


PlantControl FA

Sensor-controlled, wireless frost alarm system.

PlantControl FA

In combination with PlantCare's wireless sensors, the PlantControl FA measures the air temperature and activates a phone call, when the air temperature drops below a preset value. Field of application is frost protection of fruits and berries.



Wireless Communication



Data transfer with USB Stick

How it works

A PlantControl FA measures the air temperature in one minute intervals. As soon as the air temperature falls below a preset value, a GPRS modem is activated and a pre-selected phone number is called. If the call is answered, the frost alarm will be disabled.

Noncritical alerts, e.g. a battery alarm, are transmitted via SMS.

The temperature data are continuously stored and can be analysed with the provided evaluation software. Thus, the effectiveness of countermeasures can be judged objectively.



Scope of supply

- PlantControl FA central unit
- 2 temperature sensors
- GPRS Terminal (excl. SIM-Card)
- Solar cell 12W incl. connection cable
- USB Stick for the read out of data
- PlantCare DataViewer software for the display and analysis of temperature data

Accessories

- Additional temperature sensor



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PlantCare
excellence in smart irrigation

PlantControl FA

Sensor-controlled, wireless frost alarm system.

General specifications

- Up to 5 wireless temperature sensors can be connected.
- PlantControl FA and sensors with weatherproof IP67 housing.
- Signal range up to 200 meters, dependent on the type of terrain.
- Operating temperature: -20° C to +50° C.
- Licence-free transmission frequency: 868 MHz or 915 MHz, interchangeable.
- Measuring cycle 1 minute.
- Precise recording of measurements through built-in quartz clock.
- Communication module with GPRS terminal for automatic phone call in case of frost alarm. Other alerts by SMS message (battery, reception strength).
- Language setting German/English



Technical specifications PlantControl FA

- Power supply: 8 AA rechargeable batteries (inclusive) and solar cell 12W
- USB-interface allows to read out data on USB stick
- Dimensions: 29 x 23 x 15 cm



Technical specifications temperature sensor

- Power supply: 2 AA 1.5 V batteries
- Battery life span approx. 1 year
- Measuring range: -20°C to +50° C
- Measuring accuracy: +/- 0.3° C
- Reading accuracy: 0.1 °C
- Dimensions : 4 x 4 x 29 cm (without cable)

