

MOBEYE

Temperature detector

Mobeye MS200



GSM Temperature detector and control module

The Mobeye MS200 measures the ambient temperature continuously. When the temperature falls below or exceeds the set temperature values, the unit sends alarm messages. The built-in GSM module calls and sends SMS messages to the contact persons (max. 5).

Activated inputs trigger an alarm. The output relays can be switched after an alarm, or remotely by an incoming call or SMS. It is a user option to switch the relays completely or only during a pulse time.

Flexible action and reaction patterns

The behaviour of the MS200 is programmable via the keypad or using simple SMS commands. By adjusting the action-reaction patterns, the behaviour of the inputs, outputs and the GSM unit flexible can be set up according to your preferences.

Options

- upper and lower temperature limit
- input type (NO/NC), free texts per alarm input, delay times
- inactive time after an alarm, alarm repeat times
- choice between calls and/or SMS after an alarm
- behaviour and pulse time of outputs
- authorising numbers for switching the outputs
- time-based actions, interval for test reports

Thermostat function

By connecting the Mobeye MS200E to your heater (and if possible to your thermostat), it monitors and controls the temperature. Upon reaching the alarm limits, you will receive a message. At the same time the heater can be switched on. As soon as the temperature is back within the limits, the heater switches off. It is also possible to control the heater remotely, for instance to arrive in a nice and warm house.



- temperature alarm
- thermostat function
- 2 NO/NC inputs
- 2 relay outputs
- remote control
- power failure alarm

Fields of application

The MS200 is a powerful GSM telemetry module which is ready-to-use. For advanced system integrators there are extensive customization options. The MS200 measures the temperature and any NO/NC signal to send a GSM message and/or to control devices. This makes the module suitable for applications in the food industry, agricultural industry and the medical and marine sector.



Mobeye MS200 Technical data	
User interface	<ul style="list-style-type: none"> • keypad • SMS / call
Inputs/outputs	<ul style="list-style-type: none"> • 1 input digital temperature sensor • 2 inputs (NO/NC) • 2 outputs (max. 30V/2A)
(Alarm) messages	<ul style="list-style-type: none"> • SMS / call if the boat battery voltage is too low or too high • SMS / call after triggered input • SMS / call after power failure and power restoration • SMS after low batteries • SMS test messages ("keep alive")
Output control	<ul style="list-style-type: none"> • triggered by an alarm • triggered by activated inputs • triggered by incoming SMS text message or call (from authorised phone numbers)
Reports	<ul style="list-style-type: none"> • status reports and settings report via SMS text message
GSM connection	<ul style="list-style-type: none"> • using external power, the GSM is open to receive commands for remote control
Security	<ul style="list-style-type: none"> • PIN code security for configuration
Configuration	<ul style="list-style-type: none"> • via keypad and SMS <ul style="list-style-type: none"> • telephone numbers (max. 5) • upper and lower temperature limits • identification and alarm texts • input type NO or NC • action-reaction patterns for (alarm) messages. <ul style="list-style-type: none"> possible triggers (actions): activated input, power restore, time-based, incoming call/SMS. reactions: call, SMS message, controlling output. • alarm delays times • repeat times • inactive times after an alarm • interval test messages
Power	<ul style="list-style-type: none"> • 4x CR123 batteries (included) or • 4x CR123 and 9-32 VDC (batteries and mains adapter included)
Temperature sensor	<ul style="list-style-type: none"> • 1 meter cable (flat and round extension cables available as accessory) • accuracy: 0,5°C between -30 °C and +55 °C, 1°C outside these values
Dimensions	<ul style="list-style-type: none"> • 145x90x45 mm
GSM/GPRS	<ul style="list-style-type: none"> • quad band EGSM 900/1800 - 850/1900 MHz
Ambient temperature	<ul style="list-style-type: none"> • -10° C ... 55° C (in case of low temperatures the battery life time is shortened.)

About Mobeye

The Dutch company Mobeye is specialized in high quality GSM/GPRS alarm and telemetry technology. Mobeye products are characterised by configuration flexibility, user friendliness and an extremely low power consumption. Mobeye aims to design and market products that contribute to a safer world for its customers.