

MOBEYE

Water Detector

Mobeye MS300



GSM Water detector and control module

The Mobeye MS300 is a GSM module which detects the presence or absence of water. As soon as the float sensor opens (or closes), the unit sends alarm messages. The built-in GSM module calls and sends SMS messages to the contact persons (max. 5).

Via the output relay, a device can be controlled immediately after water detection, or remotely via SMS or a phone call. The relay switches completely, or only during a pulse time. The additional input can be connected to any volt-free sensor, such as a second water float sensor or (relay) failure signal.

Flexible action and reaction patterns

The behaviour of the MS300 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

- 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



De Mobeye MS300 and 'low power' status

The MS300 can run battery-operated, for a long time. In this 'low power' status it monitors the connected sensors. In an alarm situation the unit alarms the contacts (SMS/call) and controls the outputs. The MS300 has a 9-32VDC power input. When external powered, the GSM remains open and the MS300 is accessible for remote programming and controlling.

- GSM water alarm
- 1 extra NO/NC input
- 2 relay outputs
- remote control
- power failure alarm

Fields of application

The MS300 is a powerful GSM telemetry module which is ready-to-use thanks to its default settings. For advanced system integrators it offers extensive customization options. The MS300 can measure any dry contact signal and convert it into a GSM signal and/or to control connected devices. This makes the module suitable for monitoring water pumps, swimming pools, at construction sites and for the marine sector.



Mobeye MS300 Technical data	
User interface	<ul style="list-style-type: none"> • keypad • SMS / call
Inputs/outputs	<ul style="list-style-type: none"> • 2 outputs (max. 30V/2A) • 2 inputs (NO, NC) (1 float sensor included)
(Alarm) messages	<ul style="list-style-type: none"> • SMS / call after detection the presence or absence of water • 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 or any number)
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) • 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)
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.