MOBEYE
Measure, Control and Alarm Modules

Mobeye MS100E, MS100B, MS100EK, MS100BK

GSM telemetry and alarm module for professionals

Powerful telemetry modules in four models with internal GSM module, digital inputs, relay outputs and a multitude of settings. Build your own alarm module with sensors, devices and alarms.

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. The built-in GSM module calls and sends SMS messages to the contact persons (max. 5).

Flexible action and reaction patterns

The behaviour of the Mobeye telemetry modules 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 is 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
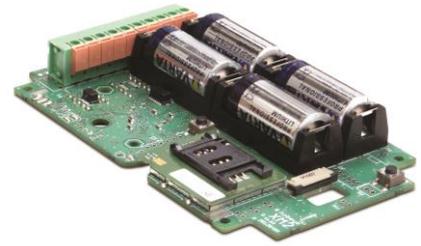
External power or 'low power' operation

The MS100E and MS100EK operate at 9-32 VDC power, with optional a rechargeable battery pack. Upon failure of power, the GSM module remains open and remote operation possible.

The MS100B and MS100BK are designed for continuous use on batteries. With only battery power they monitor the inputs and to notify in case of an alarm condition; remote control is not possible in this low power mode.

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Fields of application

The GSM telemetry modules in the MS100 series are powerful measure, control and alarm modules which are ready-to-use thanks to the default settings. For advanced system integrators they offer extensive customization options. The modules are suitable for many measure, control and alarm applications in the industry, agricultural, medical, construction, automotive and marine branch.

	product	keypad	Power supply	options
MS100 MODULES	MS100E	no	9-32 VDC	mains adapter, rechargeable battery pack
	MS100B	no	4 batteries (CR123)	9-32VDC power or mains adapter
	MS100EK	yes	9-32 VDC	mains adapter, rechargeable battery pack
	MS100BK	yes	4 batteries (CR123)	9-32VDC power or mains adapter

Mobeye MS100   Technical data

User interface	• keypad • SMS / call
Inputs/outputs	• 2 inputs, dry contact (NO, NC) • 2 outputs (max. 30V/2A)
(Alarm) messages	• SMS and/or call after triggered input • SMS and/or call after power failure / power restoration • SMS after low batteries • SMS test messages ("keep alive")
Output control	• triggered by activated inputs • triggered by incoming SMS text message or call
Reports	• status reports and settings report via SMS text message
GSM connection	• using external power, the GSM is open to receive commands for remote control
Security	• PIN code security for configuration

Configuration	• via keypad and SMS
	  • telephone numbers (max. 5), authorising numbers for switching the outputs (max. 10)
	  • input type NO or NC
	  • identification and alarm texts
	  • action-reaction patterns for (alarm) messages.
	    possible triggers (actions): activated input, power restore, time-based, incoming call/SMS.
	    reactions: call, SMS message, controlling output.
	  • alarm delays times, alarm repeat times, inactive times after an alarm
	  • interval test messages

Dimensions	• 145x90x45 mm
GSM/GPRS	• quad band EGSM 900/1800 - 850/1900 MHz
Ambient temperature	• -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.

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Mobeye
Poeldonkweg 5
5216 JX 's-Hertogenbosch
The Netherlands

phone +31(0)73 - 78 50 858
e-mail info@mobeye.com

mobeye®
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