



Always informed about power failure and malfunctions



CM4100 Mobeye PowerGuard

The Mobeye PowerGuard is the power failure monitor and fault detector with versatile applications. Understandable, reliable and compact. The power source is monitored by plugging the power adapter into a power outlet. In addition, sensors and contacts may be connected to the alarm inputs. The built-in communication module can connect to the 4G LTE-M and the 2G network.

In the event of a power failure or an input alarm, the PowerGuard alerts with a push notification, telephone call, SMS and/or e-mail. The contact persons can be set, with multiple options for the alarm message. Reporting to a control room (ARC) is possible.

The Mobeye PowerGuard monitors the mains power or a 12-24V DC power source. In the event of an outage, it uses the batteries to send the notifications and continuously monitor the inputs. After the power is restored, the contacts receive a recovery notification.

The set-up is ready in a few simple steps. The PowerGuard box may be placed as free-standing unit or the mounting holes may be used to hang it on a wall.



Mobeye PowerGuard, a powerful monitoring device

The PowerGuard has various setting options, such as automatic switch-on and switch-off times, alarm texts per input, alarm delay, recovery messages, repeat notifications, test messages. The batteries and (country specific) mains adapter are included.

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HOW IT WORKS



The Mobeye CM4100 monitors the availability of the external power and the status of connected fault contacts. The alarm dialer immediately sends a notification when the status changes. This means you are always well informed.

- 1 Plug the mains adapter into a wall socket and, if desired, attach a potential-free sensor to one of the inputs.
- 2 The PowerGuard recognises power failure and an input alarm.
- 3 In an alarm situation, the PowerGuard sends alarm messages to the contacts. When using the portal and app, an escalation plan including alarm confirmation can be set.

Mobeye SIM, Portal & App service

The Mobeye Internet Portal offers a clear dashboard and essential functions, such as push notifications per app, online programming, setting up the notifications, insight into the status and history, network strength, events and position (Cell-Id). The 'keep-alive' monitor offers extra security by monitoring the receipt of test messages. You can activate the supplied Mobeye SIM card online.

CM4100 - Technical data

Contents	<ul style="list-style-type: none"> CM4100, mains adapter (country specific version), 2x CR123 batteries, SIM card
(Alarm) messages	<ul style="list-style-type: none"> power failure, input alarm, alarm recovery, battery low voltage, (missed) test report to private contacts via app, call, text message and/or e-mail, or to a control room (ARC)
Reporting	<ul style="list-style-type: none"> status, setting list, event history, network strength and position based on Cell ID
Setting options	<ul style="list-style-type: none"> contacts (unlimited number) for alarm and service messages, message texts, repeat cycles, input type normally open or normally closed, recovery messages, alarm delay times, test interval (keep-alive), ARC, etc.
Operation	<ul style="list-style-type: none"> arming and disarming via button, time schedules and SMS
Inputs	<ul style="list-style-type: none"> 2x NO/NC input (potential-free), 1x 12-24V DC (+/- 2V)
Power supply	<ul style="list-style-type: none"> 2x CR123 lithium batteries or 12-24V DC (regulated) + 2x CR123 lithium
Battery lifetime	<ul style="list-style-type: none"> > 3 years at normal use (powered externally), > 1 year at normal use (battery operated)
Dimensions	<ul style="list-style-type: none"> 94 x 94 x 28 mm
Connectivity	<ul style="list-style-type: none"> 4G LTE-M (worldwide) + 2G EGSM Quad band the Mobeye SIM card and Internet Portal provide full functionality and optimum security. The 4G LTE-M network is very reliable and ensures a strong penetration against low energy consumption 2G is available as a fallback 2G EGSM Quad band (850/900/1800/1900 MHz) when using your own SIM card, the device works (only) on 2G. The operation is "stand-alone", without using the Mobeye Portal. The alarm notifications are sent via SMS and telephone call to (max.) 5 contacts. Programming is done via (simple) SMS commands
Accessories (not included)	<ul style="list-style-type: none"> external antenna

Mobeye is specialised in high-quality 2G/4G/LoRa alarm and telemetry technology. Visit mobeye.com for more information about our technology, applications and detailed product information.