Always informed about power failure and malfunctions



CM4100
Mobeye PowerGuard

The Mobeye PowerGuard is a multifunctional power failure and fault detector designed for a wide range of applications. Understandable, reliable and compact. The power source is monitored by plugging the power adapter into a power outlet. In addition, sensors and contacts can be connected to the alarm inputs. The built-in communication module connects to the 4G (or 2G) network.

In the event of a power failure or an input alarm, the PowerGuard alerts the contact persons with a push notification, telephone call, SMS and/or e-mail. 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 to continuously monitor the inputs. Once the power is restored, the contacts receive a recovery notification.
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 PowerGuard can be used as a free-standing unit or easily mounted using the built-in holes. The batteries and (country specific) mains adapter are included.



Reliability and insight across the entire chain

The Mobeye SIM card provides access to the Mobeye Portal, the Messages App and additional monitoring functions. It provides a clear dashboard and essential functions, such as push notifications via an app, online programming, setting up notifications, status and history display, network strength and position (Cell-Id). The 'keep-alive' monitor monitors the entry of test messages. The supplied Mobeye SIM card is activated online. When using an own SIM card, the device operates with certain limitations.



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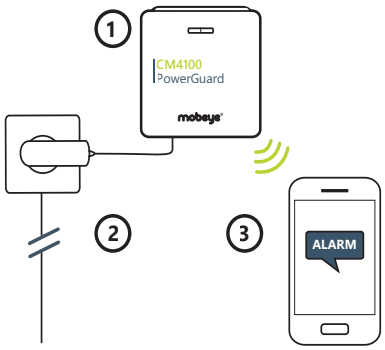
HOW IT WORKS



The Mobeye CM4100 monitors the avaliablity of the external power and the status of connected fault contacts. When a status change occurs, the alarm dialer promptly sends a notification, ensuring 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 the event of an alarm, the PowerGuard sends alarm messages to the contacts. When using the portal and app, an escalation plan including alarm confirmation can be set.

CM4100 - Technical data

Contents	• CM4100, mains adapter, 2x CR123 batteries, SIM card
(Alarm) messages	• input alarm, power failure, 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	• status, setting list, event history, network strength and position based on Cell ID
Setting options	• 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	• arming and disarming via button, time schedules and SMS
Inputs	• 2x NO/NC input (potential-free), 1x 12-24V DC (+/- 2V)
Power supply	• 2x CR123 lithium batteries *or* 12-24V DC (regulated) + 2x CR123 lithium
Battery lifetime	• > 1 year at normal use (battery operated), > 3 years at normal use (powered externally)
Dimensions	• 94 x 94 x 28 mm
Connectivity	• Mobeye SIM/Portal the Mobeye SIM card and Portal/App services provide full functionality and optimum security. • Own SIM card When using your own SIM card, the device operates "stand-alone", without the extended SIM/Portal functions. The alarm notifications are sent via SMS and (if supported by the network) telephone call to (max.) 5 contacts. Programming is done via SMS commands. Note: some local SIM cards don't automatically set the correct APN for 4G.
Communication module	• 4G (CAT1) + 2G, region: EMEA, APAC, LATAM
Accessories (not included)	• external antenna

Mobeye specialises in high-quality 2G/4G alarm and telemetry technology. Mobeye develops products and services for reliable alarms, logging, control and alarm transmission.
Visit mobeye.com to learn more about our technology, applications and comprehensive product information.

Mobeye I/O product versions					
Product	Product	Input		Output	
IP44 (indoor)	IP66 (outdoor)	No.	Type	No.	Type
CM4000	CM4000X	2	NO/NC	-	
CM4040	CM4040X	4	NO/NC	-	
CM4001	CM4001X	2	NO/NC	1	open collector
CM4042	CM4042X	4	NO/NC	2	relais (bistable)
CM4100	CM4100X	2	NO/NC	-	
		Accessories: mains adapter, externe antenna CM4100: mains adapter included			