To monitor power loss, leakage, temperature deviation and battery voltage

CM4600
Mobeye CombiGuard

For optimal control and monitoring, the Mobeye CM4600 combines various sensors and signals. A reliable aid to monitor risks and limit damage. The user receives notifications at problems with temperature, water level, battery voltage, potential-free sensors and the power supply. The device is fully battery powered, or uses external power. The communication module can connect to the 4G LTE-M and the 2G network.

In the event of a status change the Mobeye CombiGuard alerts with a push notification, telephone call, SMS and/or e-mail. Various contact persons can be set, with multiple options for the alarm message.
The Mobeye CombiGuard runs for more than a year on a set of batteries. When the battery voltage is low, a message is sent. When using an external power source (12-24V DC or mains), it also sends “power failure” notifications; this is often the first indication that something is wrong and an action is required.

Always up to date

An online portal and app makes set-up easy and gives the user insight into the status of the various sensors and connections.

- temperature sensor
- water leak sensor
- 2x input for battery voltage or potential-free contacts
- (shore) power supply, or 12-24V DC
- open collector output

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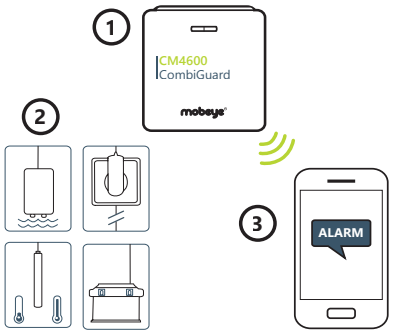
HOW IT WORKS



The Mobeye CombiGuard monitors your property remotely. Once the status changes, the alarm dialer immediately sends a notification. That way you are completely in control.

1. Attach one or more of the included sensors, adapter and/or connect a battery to monitor voltage. Set a battery and temperature limit.
2. The CombiGuard detects any deviation on the sensors and inputs. When connected to external power, it also registers power failure.
3. In case of deviations, the CombiGuard sends alarm messages to the contact persons, via push message, telephone call, SMS and/or e-mail..

Mobeye SIM, Portal & App service

The Mobeye 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.

CM4600 - Technical data

Contents	• CM4600, temperature sensor (1m), leakage sensor (1m), (country specific) mains adapter, 2x CR123 batteries, SIM card
(Alarm) messages	• temperature alarm, water alarm, low battery voltage, NO/NC input alarm, power failure, alarm recovery, battery low voltage, (missed) test report • to private contacts via app, call, text message and/or e-mail
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 NO/NC/AN, recovery messages, alarm delay times, test interval (keep-alive), etc.
Operation	• arming and disarming via button, time schedules and SMS
Inputs	• 2x NO/NC/AN (potential-free or analog), 1x temperature, 1x water, 1x 12-24V DC (+/- 2V)
Output	• open collector (at external voltage), max. 200mA. Switches on alarm or after incoming SMS
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. The 4G LTE-M network is very reliable and ensures a strong penetration against low energy consumption. 2G is available as a fallback • Own SIM card When using your own SIM card, the device operates on 2G; with an LTE-M SIM card and the correct APN settings, it also supports 4G. The device runs "stand-alone", without using the Mobeye Portal. The alarm notifications are sent via SMS and (if supported by the network) telephone call to (max.) 5 contacts. Programming is done via (simple) SMS commands
Accessories (not included)	• extension cable water/temperature sensor (3m or 10m), magnet contact, float sensor, 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.