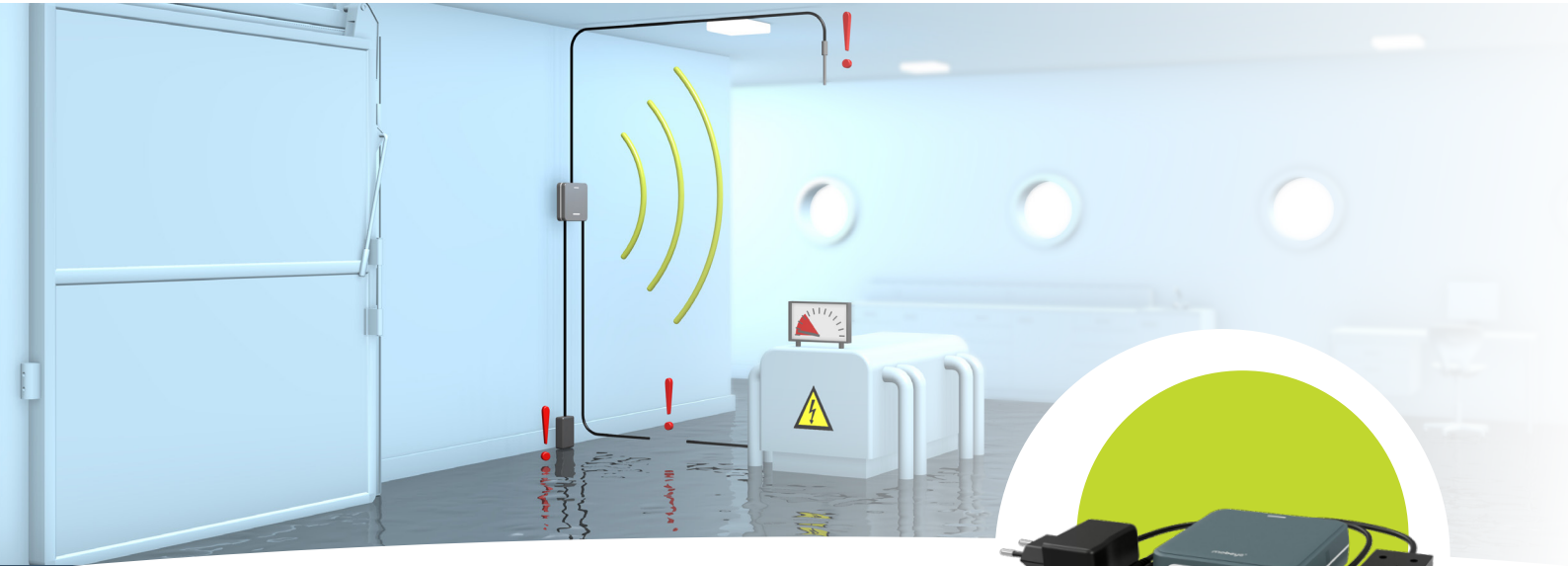# mobeye®

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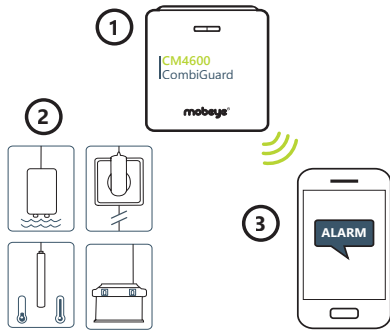- temperature sensor
- water leak sensor
- 2x input for battery voltage or potential-free contacts
- (shore) power supply, or 12-24V DC
- open collector output

security. anywhere. anytime.                                    mobeye.com

# CM4600
## Mobeye CombiGuard

## 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<br>• 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 | • 4G LTE-M (worldwide) + 2G EGSM Quad band<br>the Mobeye SIM card and 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<br>• 2G EGSM Quad band (850/900/1800/1900 MHz)<br>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.

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