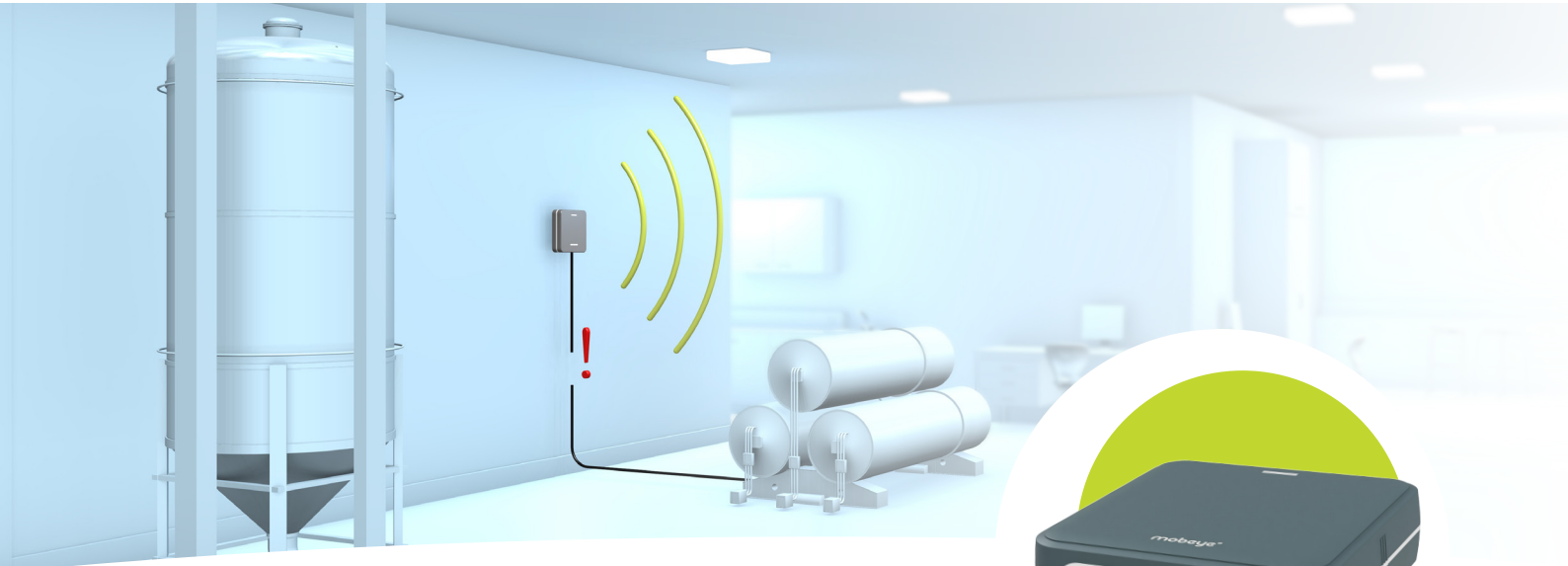




# Monitoring the installation with the Mobeye four-channel alarm module



## CM4040

Mobeye CM-Guard-40

The Mobeye CM4040 is a universal alarm detector with four potential-free inputs and built-in communication module. It serves to monitor various sensors and control technical installations. NO/NC contacts can be connected to the inputs. A status change triggers an alarm or recovery message. The detector operates on the 2G and 4G LTE-M network.

If one of the inputs indicates an alarm status, the CM4040 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 also possible.

The Mobeye CM4040 runs for more than a year on a set of batteries. Once 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. The set-up is ready in a few simple steps. The Mobeye Portal gives the user online insight into the device and monitors its operation with the keep-alive monitor.



### Mobeye CM4040, 4-channel monitoring device

Any potential-free sensor can be connected; for output signals up to 48V, an additional relay or resistor is required - depending on the output voltage.

The CM4040 has various setting options, such as automatic switch on and off times, alarm texts per input, alarm delay, recovery messages, repeat message, test messages. Batteries are included.

# CM4040

## Mobeye CM-Guard-40



### HOW IT WORKS



The Mobeye CM4000 monitors your installation remotely. The alarm device immediately sends a notification when the status changes, with a clear indication which input is involved.

- 1 Attach potential-free contacts or sensors to the inputs connect - if available - the external power.
- 2 Use the Mobeye Portal to set the inputs to 'normally open' or 'normally closed', optionally with delay times, recovery messages and specific alarm texts.
- 3 If any of the four inputs goes into alarm status. the detector sends an alarm notification to contacts via app, call, SMS and/or email. For app messages an escalation plan and message confirmation is possible.

### CM4040 - Technical data

Contents	<ul style="list-style-type: none"> <li>CM4040, 2x CR123 batteries, SIM card</li> </ul>
(Alarm) messages	<ul style="list-style-type: none"> <li>input alarm, power failure, alarm recovery, battery low voltage, (missed) test report</li> <li>to private contacts via app, call, text message and/or e-mail, or to a control room (ARC)</li> </ul>
Reporting	<ul style="list-style-type: none"> <li>status, setting list, event history, network strength and position based on Cell ID</li> </ul>
Setting options	<ul style="list-style-type: none"> <li>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.</li> </ul>
Operation	<ul style="list-style-type: none"> <li>arming and disarming via button, time schedules and SMS</li> </ul>
Inputs	<ul style="list-style-type: none"> <li>4x NO/NC input (potential-free), 1x 12-24V DC (+/- 2V)</li> </ul>
Power supply	<ul style="list-style-type: none"> <li>2x CR123 lithium batteries or 12-24V DC (regulated) + 2x CR123 lithium</li> </ul>
Battery lifetime	<ul style="list-style-type: none"> <li>&gt; 1 year at normal use (battery operated), &gt; 3 years at normal use (powered externally)</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>94 x 94 x 28 mm</li> </ul>
Connectivity	<ul style="list-style-type: none"> <li>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</li> <li>2G EGSM Quad band (850/900/1800/1900 MHz) when using your own SIM card, the device works on 2G; with an LTE-M SIM card and the right APN data also on 4G. 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</li> </ul>
Accessories (not included)	<ul style="list-style-type: none"> <li>s • mains adapter, external antenna</li> </ul>

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](http://mobeye.com) to learn more about our technology, applications and comprehensive product information.

Mobeye I/O product versions					
Product	Product	Input		Output	
		No.	Type	No.	Type
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)
		Accessories: mains adapter, externe antenna			