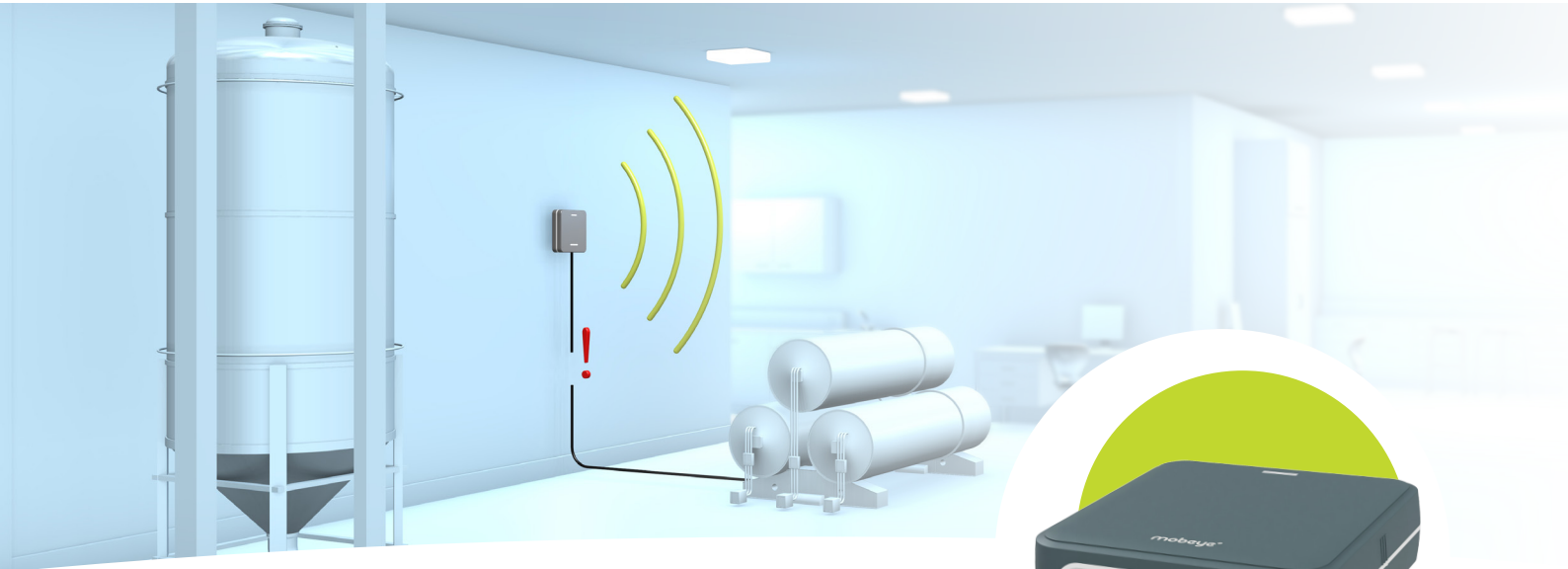




# Alarm monitoring for input signals Remote control of relay outputs



## CM4042

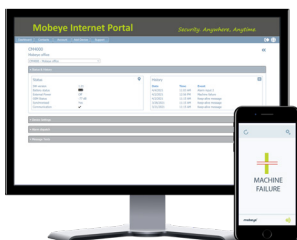
Mobeye CM-Guard-42

The Mobeye CM4042 is an input and output module with four potential-free inputs, two relay outputs and an integrated 2G/4G communication module. The CM4042 can be used to monitor installations and starting and stopping of devices remotely.

Sensors and contacts are connected to the alarm inputs. In the event of a status change, contacts receive a notification via push-app, call, SMS, and/or email. External devices are connected to the relay outputs such as a pump or motor. Switching these on and off is done by sending an SMS command. The status is visible in the online portal.

The CM4042 has a built-in communication module. Connected to external power (12-24VDC or via a mains adapter) it always has network connection, ready to receive SMS commands. If the external voltage, the batteries take over operation and a power failure notification follows. The monitoring of the input contacts and associated alarms remain active in this 'low power mode'.

### Reliability and insight throughout the chain



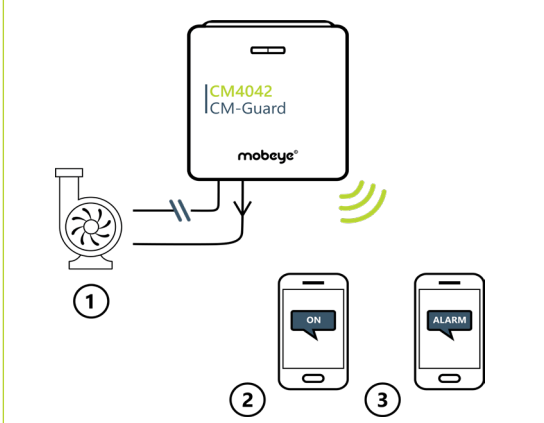
Batteries and a SIM card are included. This Mobeye SIM card provides access to the Mobeye Portal, the Messages App and additional monitoring functions. It provides a clear dashboard and essential functions, such as push notifications via an app, online programming, setting up notifications, viewing the status of inputs and outputs, history, 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 functions with some limitations.

# CM4042 Mobeye CM-Guard-42



## HOW IT WORKS



The Mobeye CM4042 monitors various fault contacts or sensors of your installation and allows remote switching of a device, pump or motor switch.

- 1 Connect your device's start/stop mechanism to the relay outputs and attach potential-free contacts to the inputs. These can be sensors or fault contacts. Connect an external power source.
- 2 Switch on the connected device via SMS command. By setting a pulse time for the output relay, it switches off automatically, or send separate SMS commands for 'on' and 'off'.
- 3 In an alarm situation on one of the inputs, the CM4042 sends messages to the contacts, possibly also after switching the output.

## CM40402 - Technical data

<b>Contents</b>	<ul style="list-style-type: none"> <li>CM4040, 2x CR123 batteries, SIM card</li> </ul>
<b>(Alarm) messages</b>	<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>
<b>Reporting</b>	<ul style="list-style-type: none"> <li>status, setting list, event history, network strength and position based on Cell ID</li> </ul>
<b>Setting options</b>	<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, pulse time output, authorised/non-authorised switching test interval (keep-alive), ARC, etc.</li> </ul>
<b>Operation</b>	<ul style="list-style-type: none"> <li>arming and disarming via button, time schedules and SMS</li> <li>outputs: via SMS commands (on/off)</li> </ul>
<b>Inputs</b>	<ul style="list-style-type: none"> <li>4x NO/NC input (potential-free), 1x 12-24V DC (+/- 2V)</li> </ul>
<b>Outputs</b>	<ul style="list-style-type: none"> <li>2x relay contact (bistable switching contact, max 30V/1A), switchable via SMS command</li> </ul>
<b>Power supply</b>	<ul style="list-style-type: none"> <li>2x CR123 lithium batteries or 12-24V DC (regulated) + 2x CR123 lithium</li> </ul>
<b>Battery lifetime</b>	<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>
<b>Versions</b>	<ul style="list-style-type: none"> <li>Indoor version: CM4042: 94 x 94 x 28 mm, IP44</li> <li>Outdoor version: CM4042X: 130 x 85 x 35 mm, IP66</li> </ul>
<b>Connectivity</b>	<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>
<b>Accessories (not included)</b>	<ul style="list-style-type: none"> <li>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)				
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			