



# Water detector with float sensor for level measurement with alarm transmission



## CM4300FS

Mobeye WaterGuard

The Mobeye WaterGuard-FS informs contacts when the water level rises or falls. The device consists of a water float sensor and a compact communication box. By fixing the sensor in a horizontal position at the critical water level, it will be closed (when the water rises) or opened (when the water level falls). This is followed by an alarm message. The device is fully battery powered, or uses external power. The built-in communication module can connect to the 4G LTE-M and the 2G network.

If the water sensor of one of the inputs indicates an alarm status, a push notification, telephone call, SMS and/or e-mail will follow. The contact persons can be set, with multiple options for the alarm message.

The Mobeye WaterGuard-FS runs for more than a year on a set of batteries. A message is sent when the battery voltage is low. 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.



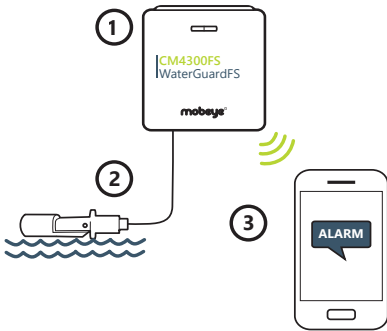
### Mobeye WaterGuard-FS, reliable and effective

Next to the included water level sensor a second potential-free sensor may be connected, for example a second float sensor or failure contact. The settings are easy to program in, such as an alarm delay, inactive times after an alarm, repeat notifications, test messages and alarm texts. For detecting water leaks the CM4300 with leakage sensor is more suitable.

## CM4300FS Mobeye WaterGuard



### HOW IT WORKS



The Mobeye CM4300FS monitors whether the water level is at or below a pre-determined level. If the water level is too high or too low, it sends a message. This way you are informed well to take prompt action.

- 1 Place the box in a dry place and set the contacts for the notifications.
- 2 Decide at what water height you want to receive an alarm. Install the water float horizontally, if necessary with the aid of an attachment.
- 3 As soon as the water closes (or opens) the float sensor, the WaterGuard-FS sends alarm messages to the contact persons. When using the portal and app, an escalation plan including alarm confirmation can be set.

### Mobeye SIM, Portal & App service

The Mobeye Internet 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.

### CM4300FS - Technical data

Contents	<ul style="list-style-type: none"> <li>CM4300FS, water float sensor, 2x CR123 batteries, SIM card</li> </ul>
(Alarm) messages	<ul style="list-style-type: none"> <li>water alarm, 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>
Water sensor	<ul style="list-style-type: none"> <li>suitable for water-based liquids, 1.5 meter cable (extendable with 2-core wire)</li> </ul>
Inputs	<ul style="list-style-type: none"> <li>1x input for water float sensor, 1x 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 (only) on 2G. 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>mains adapter, external antenna, float sensor for other substances (e.g. diesel)</li> </ul>

Mobeye is specialised in high-quality 2G/4G/LoRa alarm and telemetry technology. Visit [mobeye.com](http://mobeye.com) for more information about our technology, applications and detailed product information.