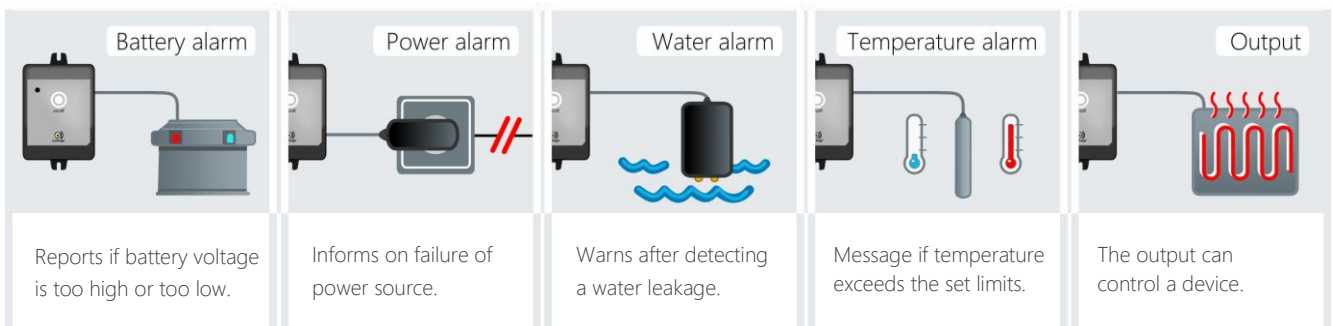# MOBEYE
CombiGuard

Mobeye CM2600

The complete monitoring system. Keeps an eye on power, temperature, water and voltage

The Mobeye CombiGuard combines various sensors and signals for optimum control and monitoring. Should the CM2600 detect a problem with regards to temperature, water level, battery voltage, potential-free sensors and/or the power supply, it will send out an alert via SMS text message, call and / or e-mail.
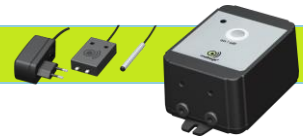
Monitoring risk factors will help preventing damage to your property. The Mobeye CombiGuard keeps you informed of the situation and allows you to remotely switch a device. If desired, the bilge pump, air conditioner or heater can start automatically after an alarm or remotely via an SMS command. No power source nearby? The Mobeye CombiGuard can operate on batteries for a long time.

Mobeye Internet Portal offers additional features. By activating the included Mobeye SIM card and the CombiGuard online you increase user-friendliness and you get extra functions. The portal facilitates online programming, shows the status -such as the battery voltage and the alarm history- and monitors the test messages. You will only receive exception messages.

Battery alarm	Power alarm	Water alarm	Temperature alarm	Output
Reports if battery voltage is too high or too low.	Informs on failure of power source.	Warns after detecting a water leakage.	Message if temperature exceeds the set limits.	The output can control a device.

mobeye®

Mobeye CombiGuard CM2600 Technical data

Content	• CM2600 / CombiGuard main unit with integrated GSM module
	• Temperature sensor
	  1 meter cable (extendable up to 20 meters), accuracy: 0.5 ° C between -30 ° C and +55 ° C, 1 ° C outside these limits
	• Water leakage sensor
	  1,5 meter cable (extendable up to 2,5 meters)
	• 12 VDC mains power adapter
	• 2x CR123 lithium batteries
	• Mobeye SIM card for connection to Mobeye Internet Portal (multi-provider SIM card, can be used internationally)

Inputs	• Analogue input for battery (0-48 V with peaks up to 60 V). Min. and max. limit adjustable • NO / NC / analogue input for additional sensor, second battery or failure signal
Output	• 1 output (open collector, max. 200 mA). Works when using external voltage • Switches after an alarm, SMS command or call, during pulse time or continuously
Dimensions	• 80 x 60 x 40 mm

(Alarm) messages	• Alarm messages via call, SMS, and/or e-mail*:
	confirmation by receiver of alarm is possible, so the next contact person does not receive a call
	  • when the temperature exceeds the set limits
	  • after the leak sensor detects water
	  • when the battery voltage exceeds set limits, with the mention of the measured voltage
	  • when an input is activated
	  • When external (shore) power fails and with power recovery
	• Warning messages via SMS and/or e-mail*:
	  • when the internal battery voltage is low
	  • in the situation of a missed test report ("keep alive")
	    (without using the portal: test notifications via SMS)

Reports	• Status reports, settings report, GSM network strength, position data at last event (cell-id)*
Security	• PIN code security for configuration

Configuration	Programming is done online in the Mobeye Internet Portal (or without Portal: via text messages):
	  • telephone numbers (max. 5, unlimited number of SMS/emails when using the Mobeye Internet Portal)
	  • min. and/or max. measurement range between -35 ⋯ +70 °C
	  • min. and/or max. battery voltage limits between 0 ⋯ 48 V
	  • identification and alarm texts, alarm delay times, alarm repeat times, locking of on/off button
	  • input on analogue, NO or NC
	  • output control mode and pulse time
	  • frequency of test messages

Power supply	• 2x CR123 lithium batteries (included) or • 12 VDC (or power adapter) + 2x CR123 lithium batteries
Battery lifetime	• > 1 year at normal use (battery operated) • > 3 years at normal use (ext. power supply)
GSM/GPRS	• Quad band EGSM 900/1800 - 850/1900 MHz

* e-mail function only possible when using the Mobeye Internet Portal

About Mobeye

The company Mobeye is specialized in high quality 2G/3G/4G/LoRa alarm and telemetry technology. Mobeye products are characterised by configuration flexibility, user friendliness and an extremely low power consumption. Mobeye aims to design and market products that contribute to a safer world for its customers.