

MOBEYE THERMOGUARD TWINLOG CML2255



Log, Alarm and Report temperature values

Mobeye CML2255



Continuous measurement of ambient temperature.
Two temperature sensor inputs.



Alarm upon violation of user-defined (minimum/ maximum) temperature limits.



Logging of temperature values, synced in cloud-based portal. User-defined log and sync intervals.



Battery operated; battery lifetime >1 year at daily reporting.
Longer lifetime possible.



If powered externally, monitoring of the power source and alarming at power failure is possible.



Manual or time-based arming and disarming.



NO/NC inputs for additional alarm options, such as a 'door open' notification.



Internal piezo siren for alarm indication.
Additional output for activating an external device.

The Mobeye ThermoGuard TwinLog is a compact remote monitoring unit for reporting and logging of temperature values.

The digital temperature sensor(s) continuously measure the ambient temperature and compare the value(s) with the configured alarm limits. When the minimum and/or maximum temperature limits are violated, the CML2255 will send alarm notifications and a siren sounds. Optionally, the unit can log the measured temperatures and send it to the Mobeye Internet Portal where the data is shown in graphs and tables.

The CML2255 has an integrated GSM module and is designed to run on batteries. When powered by an external source, it also serves as a power failure alarm.

Mobeye Internet Portal

After inserting a SIM card and a simple set-up, the CML2255 is ready for sending alarm notifications. Equipped with a Mobeye SIM card and registered on the Internet Portal, more functions are available:

- Logging of temperature values (user-defined intervals)
- Programming via portal
- Forwarding of messages to 'alarm contacts' and 'service contacts' (call/SMS/e-mail)
- Monitoring of 'keep alive' (test) messages



Alarm and alarm restore reports via call, SMS and e-mail*

- temperature alarm
- activated NO/NC input
- external power failure

Logging of temperature values*

- user-defined log interval
- user-defined data transfer interval (sync)
- historical values, status, download options

Notifications

- low internal battery voltage
- 'keep alive' message at user defined interval
- exception message if 'keep-alive' was not received timely*

Reports and status overviews

- actual temperature
- GSM signal strength
- position data at last event (cell-id)*

Options

- min. and/or max. measurement range, per sensor: -35 ... +70 °C
- 5 phone numbers
- alarm texts
- alarm delay times
- temperature calibration
- siren on/off

Arm and disarm

- time-based arming and disarming with two schedules

When battery operated

- fully autonomous operation when battery powered
- battery life > 1 year (with daily report)

* features in combination with the Mobeye Internet Portal

Mobeye CML2255 Technical Data

Content	• main unit with integrated GSM module, 1 external temperature sensor, 2 x CR123 batteries
Inputs	• 2x input for digital temperature sensors • 2x (NO or NC) input for magnet contact, failure signals, etc. • 1x 12 VDC
Output	• 1 output (open collector 200 mA). Activated after alarm or incoming SMS (pulse time or continuous)
Dimensions	• 80 x 60 x 40 mm
Configuration and reports	• Minimum and/or maximum temperature (-35 °C ... + 70 °C) • Display and configuration of temperature in °Celsius or Fahrenheit • Temperature value log interval (0 ... 999 minutes) • Temperature log values transfer interval to Internet Portal (0 ... 999 hours) • Alarm delay times, time-based arming/disarming, input NO/NC, frequency of test messages, siren on/off, alarm texts, temperature calibration, etc.
Temperature sensor	• Measurement range: -35 ... +70 °C • Accuracy: 0,5°C between -30 °C and +55 °C, 1° C outside these values • Digital sensor, no calibration needed • 1 meter cable
Ambient temperature	• -10°C ... +55°C
Power supply	• 2x CR123 lithium batteries (included) or • 12 VDC (or power adapter) + 2x CR123 lithium batteries
Battery life time (2 x CR123)	• > 1 year at 1 GSM message per day (battery operated) and daily synchronisation to portal • > 3 years at normal use (external power supply)
GSM/GPRS	• Quad band EGSM 900/1800 - 850/1900 MHz
Accessories (not included)	• Mains power adapter (12 VDC, 500 mA) • Second temperature sensor (1 meter or 10 meter cable) • Extension cable for temperature sensor (flat or round) • Magnet contact • Battery pack, battery life of 4 years