

# MOBEYE THERMOGUARD TWINLOG CML2275-CML2285



## Log, Alarm and Report temperature values

### MOBEYE CML2275/CML2285



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 life time >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 CML2275 and CML2285 are industrial units for remote monitoring, alarming and logging of temperature values.

The digital temperature sensors 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 ThermoGuard TwinLog 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 ThermoGuard TwinLog unit has an integrated GSM module and is designed to run on batteries. When powered by an externally source, it also serves as a power failure alarm.

### Mobeye Internet Portal

With a regular SIM card the ThermoGuard Twinlog can send out alerts. However, by activating the Mobeye SIM card online additional functions become available:

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

## Display

The Mobeye CML2275 and CML2285 are carried out in a solid IP66 housing. The CML2285 is equipped with a display to read the actual temperature value(s).

## Features

### 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: -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 (even in case of a daily report)

\* features in combination with the Mobeye Internet Portal

## Mobeye CML2275/CML2285 Technical Data

|  |  |
|--|--|
| <b>Content</b>                         | • Main unit with integrated GSM module, 1 external temperature sensor 2x CR123 batteries   |
| <b>Inputs</b>                          | • 2x input for digital temperature sensors<br>• 2x (NO or NC) inputs for magnet contact, failure signals, etc.<br>• 1x 12 VDC  |
| <b>Output</b>                          | • 1 output (open collector 200 mA). Activated after alarm or incoming SMS (pulse time or continuous)   |
| <b>Dimensions</b>                      | • CML2275: LED indication, on/off button<br>• CML2285: LED indication, on/off button, display to read the actual temperature value(s) and alarm status<br>• 162 x 82 x 55 mm, IP66<br>• temperature sensor cable: 1 meter    |
| <b>Temperature sensor</b>              | • measurement range: -35 ... +70 °C<br>• accuracy: 0,5°C between -30 °C and +55 °C, 1°C outside these values<br>• digital sensor, no calibration needed  |
| <b>Ambient temperature</b>             | • -10°C ... +55°C  |
| <b>Power supply</b>                    | • 2x CR123 lithium batteries (included)<br>or<br>• 12 VDC (or power adapter) + 2x CR123 lithium batteries  |
| <b>Battery lifetime</b><br>(2 x CR123) | • > 1 year at 1 GSM message per day (battery operated) and daily synchronisation to portal<br>• > 3 years at normal use (external power supply)  |
| <b>GSM/GPRS</b>                        | • Quad band EGSM 900/1800 - 850/1900 MHz   |
| <b>Accessories</b><br>(not included)   | • Mains power adapter (12 VDC, 500 mA)<br>• Second temperature sensor (1 meter or 10 meter cable)<br>• Extension cable for temperature sensor (flat or round)<br>• Magnet contact<br>• Battery pack, battery life of 4 years |