# GSM-PRO2 AND GSM-PRO2E

16454.2
GSM-PRO2-4G-EU, 4G GSM Module for Europe , 2 input, 1 output, expandable, without antenna

- 4G Modems with OTA capabilities
- Two or Ten multifunction inputs and one count input
- One or four relay outputs as standard
- Expandable IO
- Android and IOS Smartphone app, Web based Portal



## PRODUCT DESCRIPTION

The GSM-PRO2 module informs you when your process has achieved a user-defined status or limit value. Digital and analogue inputs values can also be sent via e-mail or SMS (text message). The digital relay outputs can be switched using an SMS sent from selected users allowing the system to be monitored and controlled remotely. Android and iPhone apps are available to make the monitoring and control functions of the GSM-PRO2 modules even easier to operate. To further add to the flexibility, a new Web Portal CONTA-SUPERVISION is available and can work across all platforms. The user-friendly browser-based programming software can be used to configure the module´s inputs and outputs and their required functions. INPUT AND OUTPUT The GSM-PRO2 modules are equipped with two multi-function inputs, one relay output and a pulse counter input which can process a maximum of 1000 pulses per second, so that for example a photovoltaic system or a kWh meter can be connected. The compact unit can alos be configured as a Modbus Slave device. The GSMPRO2E has ten multifunction inputs, 4 relay outputs and a pulse counter input Both modules have built in hours run timers that can be assign to both inputs and outputs.
EXPANSION MODULES All the GSM-PRO2 modules also provide the option for expanding the number of available inputs and outputs. Up to 15 I/O expansion modules, in 4 different versions, can be controlled for each module. The built-in plug connector supplies power and control functionality for the modules. The expansion modules can also be configured with the user-friendly browser-based application. OTA (OVER-THE-AIR) CAPABILITIES In many systems or machines, some parameters or user entries may need to be changed after the installation is completed. Whether you are adding a new phone number or email address of a new user, a new I/O setting, a change in the module name or any other change: the settings on all GSM-PRO2 modules can easily be changed from remote locations around the world. OTA FIRMWARE UPDATES The GSM-PRO2 can also update its firmware using OTA. So modules with different versions can always be kept up to date.
LOGGING FUNCTIONALITY Is your process running optimally? What happened last week? How many hours has the machine been running this week? The extensive logging functionality of the GSM-PRO2 module allows you to log events that have taken place at a facility or a machine over a defined period of time. The log files can be transferred to the PC using a USB cable. Or you can have the log files automatically sent to your e-mail address or displayed via a web-based portal. LOGS ● Event - logs all communication of the module ● Analogue - logs the process values of the analogue inputs at selected time intervals ● Counter - Logs the time that an input or output is activated SMARTPHONE APP CONTA-CLIP's iPhone and Android smartphone apps for the GSM-PRO2 modules provide a simple and fast solution so that you can get an overview of each system and application. This app can show you the status of all inputs and outputs from one or more GSM-PRO2 modules. They also allow you a degree of control over the process. Module outputs can be controlled easily and directly using this app. The app´s buttons provide an intuitive control interface (for controlling a heater, motor, water pump, etc.). WEB IOT PORTAL SOFTWARE CONTA-SUPERVISION The GSM-PRO2, like most SMS modules, is often used as stand-alone units in the field. These modules are put to use at various remote locations even though they normally have configurations which are very similar. It is often quite helpful to have one overall view of the status of all modules used in the field. The new GSM-PRO2 web-based portal software from CONTA-CLIP offers you precisely this possibility. All modules in the field can now be easily monitored and run from a single local site or control panel. The CONTA-SUPERVISION IoT portal can be opened in a web browser but is also available as an APP in the Google Play or Apple App store. Try the unlimited possibilities of the CONTA-SUPERVISION IoT portal for FREE . As of January 1, 2023, two GSM-PRO2(E) modules can still use the CONTA-SUPERVISON IoT portal for FREE . An annual fee will be charged for more than two GSM-PRO2(E) modules.

## SPECIFICATIONS

| | |
|---|---|
| Number of inputs | 2 |

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|---|---|
| Number of outputs | 1 |
| Supply voltage | 10-30V dc |
| Current consumption | 275 mA @ 24V dc |
| GPS | No |
| Electromagnetic Compatibility | EN55011, EN61326-1 |
| Operating temperature from | -20 |
| Operating temperature to | 60 |

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|---|---|
| Length | 88 |
| Width | 36 |
| Height | 77 |
| Weight | 149 |

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|---|---|
| Input resistance U / I | 80K / 500Ω |
| Input signal U / I max | 30 V / - |
| Threshold digital inputs | Low <3, High >6V |
| Minimum pulse duration | 500 |
| Resolution I (0-20 mA) | 40 µA / ± (40 µ + 0,3%) |
| Resolution U (0-10 V dc) | 20mV / ±(20mV+0,3%) |
| Counter input (pull-down) | 1000 pulses/s max. Pulldown res. 24 kOhm |

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|---|---|
| Relay contact | 1 CO |
| Contact material | AgNi 90/10 |
| Switching capacity max | 1200 |
| Rated V ac / switching V ac max | 250 / 250 V ac |
| Continuous current max / Inrush current max | 5 / 5 A |
| Mechanical life hours | $15x10^6$ |
| Electrical life in hours (AC1) | $1,5x10^5$ |

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|---|---|
| Cross section single wire from | 0.2 |
| Cross section single wire to | 4 |
| Stripping Length | 6 |
| Torque | 0.4 |
| Number of ext. modules max | 15 |

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|---|---|
| 2G | Quad-band GSM bands: 850, 900, 1800 and 1900 MHz |

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|---|---|
| 3G | Five-band UMTS (WCDMA/FDD) bands: 800, 850, 900, 1800, 1900 and 2100 MHz |
| 4G | LTE CAT1: Penta band 700 (Bd28)/ 800 (Bd20)/900 (Bd8)/1800 (Bd3)/2100 MHz (Bd1) |
| SIM card | Nano-SIM |
| Antenna GSM | 50 Ohm, SMA-plug |

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|---|---|
| Relative humidity max | 80 |
| Tariff code | 85176990 |
| Pack Size | 1 |
| Country of origin | NL |
| DIN-VDE Spec | LVD 2014/35/EC, EN 50178. EMC 2014/30/EC, EN 61326-1 |
| Frequency spectrum | ETSI EN 301-511 V9.0.2 |
| IP Class | IP20 |










