GSM-PRO2 AND GSM-PRO2E

16455.2
GSM-PRO2E-4G Communication Processor 10I/4O

- 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.
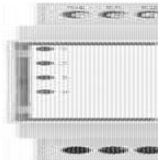
EXPANSION MODULES All the GSM-PRO2 modules also provide the option for expanding the number of available inputs and outputs. Up to 15 I/O expansion modules, in 4 different versions, can be controlled for each module. The built-in plug connector supplies power and control functionality for the modules. 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

2G	Quad-band GSM bands: 850, 900, 1800 and 1900 MHz
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)
Antenna GSM	50 Ohm, SMA-plug
Contact material	AgNi 90/10
Continuous current max / Inrush current max	5 / 5 A
Counter input (pull-down)	1000 pulses/s max. Pulldown res. 24 kOhm
Country of origin	NL
Cross section single wire from	0.2
Cross section single wire to	4
Current consumption	275 mA @ 24V dc
DIN-VDE Spec	LVD 2014/35/EC, EN 50178. EMC 2014/30/EC, EN 61326-1
Electrical life in hours (AC1)	$1,5x10^5$
Electromagnetic Compatibility	EN55011, EN61326-1
Frequency spectrum	ETSI EN 301-511 V9.0.2
GPS	No
Height	77
Input resistance U / I	80K / 500Ω
Input signal U / I max	30 V / -
IP Class	IP20
Length	88
Mechanical life hours	$15x10^6$
Minimum pulse duration	500
Number of ext. modules max	15
Number of inputs	10
Number of outputs	4
Operating temperature from	-20
Operating temperature to	60
Pack Size	1
Rated V ac / switching V ac max	250 / 250 V ac
Relative humidity max	80
Relay contact	1 CO
Resolution I (0-20 mA)	40 µA / ± (40 µ + 0,3%)

Resolution U (0-10 V dc)	20mV / ±(20mV+0,3%)
SIM card	Nano-SIM
Stripping Length	6
Supply voltage	10-30V dc
Switching capacity max	1200
Tariff code	85176990
Threshold digital inputs	Low <3, High >6V
Torque	0.4
Weight	262
Width	95