



PRIMA CONTACT



>> **PRIMA CONTACT** is the ideal product for low-cost remote diagnostics and monitoring. It is in fact a GSM device, able to send texts SMS messages upon programmable events or triggered by digital inputs.

In addition, **PRIMA CONTACT** can be used also as a GSM-GPRS modem through the RS232 serial port (AT Protocol).

>> **PRIMA CONTACT** can send pre-configured messages, depending on the triggering event, to a single or a group of pre-set GSM phone numbers. The configuration of all data, messages and phone numbers, is made through a simple software tool, executed under Windows 2000 or XP™.

The "events" can be configured on the following physical connection:

- ◆ digital inputs, individually monitored (4 available contact inputs)
- ◆ coded combinations of the above 4 digital inputs (15 events)
- ◆ power failure
- ◆ battery low voltage
- ◆ maintenance period expired "reminder"
- ◆ "Heartbeat" function to send a message after programmable period and to operate as a watch-dog

PRIMA CONTACT is powered at 115-240Vac, with an internal Li-ION battery to allow the system uninterrupted operation in case of power loss. The module is also sending a message when the battery needs to be replaced.

PRIMA CONTACT integrates a digital display, showing the operating time of the device, the numbers of remaining hours to the next machine maintenance, errors and status codes, a reset button, 3 status LEDs (including the GSM signal monitoring), a rotary switch for device setting and a slot to insert the SIM Module. The unit can be either wall or DIN rail mounted.

PRIMA CONTACT is delivered with an external antenna, with magnetic base, connected to the device through a 5m long cable.



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GENERAL	
Supply Voltage	Wide range voltage (100 ÷ 240 VAC)
Power Consumption	10VA
I max	0.15 A
Type of Protection	IP20
Temperature Range	OPERATING: -10°C ÷ +55°C (*) - STORAGE: -30°C ÷ +70°C
Permissible Humidity	Relative humidity 95% no condensation
Noise emission	EN 55022 class B: 1998 - EN 50081-2: 1993
Noise immunity	EN 50082-2: 1995 - EN 61000-6-2: 1999
Weight	0.5 kg
Dimensions	~140x105x73mm (LxHxD)
Housing	Plastic Material - UL Flame Category: HB
Mounting	DIN RAIL
<i>(*) the Operating Temperature Range is limited to +55°C due to modem operating limits</i>	
DISPLAY	
Type	7segment 2 digits
Technology	LED
Viewing Area	16.2 x 26.7 mm
Foil Material type	Polyester PETP
LED	3 x Green
Keys	1
Rotary switch selector	1
Dip Switch selector	1
DIGITAL INPUTS	
Number	4
Input Activation	Connection to digital input ground through free relay contact
Isolation	No
GSM MODEM	
Type	GSM 850/900/1800/1900 quad-band
Power Output	2 watt GSM 850/900 MHz - 1 watt GSM 1800/1900 MHz
SIM interface	1.8/3 Volt only SIM interface, fully compliant with GSM 11.11 specifications
Software	Fully GSM software Stack
Antenna Specification	50 Ohms, coaxial cable, SMA connector
RF performance	Fully compliant with GSM 05.05 specifications
Temperature range	Operating: -20°C to +55°C Storage: -30°C to +85°C
Supply	From a dedicated LI-ION battery
Battery Charger	Internal
Battery Life Time	Typical from 2 to 3 years (*)
<i>(*) worst case at high operating temperature</i>	