

# INSYS GSM I4

Transfermode system	Design			
	DIN rail	Embedded module	Desktop device	MoRoS
3G/UMTS	●	●		●
2G/GSM	●	●		●
Ethernet	●	●		●
WLAN	●	●		
Bluetooth		●		
Modem	●	●	●	●
ISDN	●	●	●	●

## 1. Remote access with GSM I4

The INSYS GSM I4 allows remote access to controller of machines and equipments via mobile network. Because the machine establishes a connection via GSM-network, a locally telephone line is not necessary.

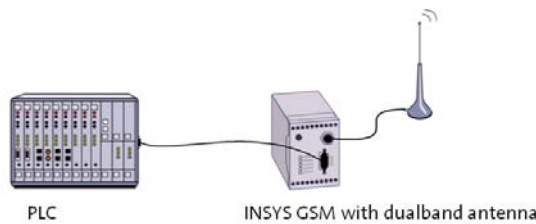
The GSM modem (dual band) comes with 4 digital inputs, which transfer stored messages initialised by pulses (10 different information per input). The configuration software HSComm allows a simple and quick parameterisation of the unit.



**INSYS GSM I4**

- Dual-band
- Data link over GSM-net
- RS-232 interface
- four digital alarm output

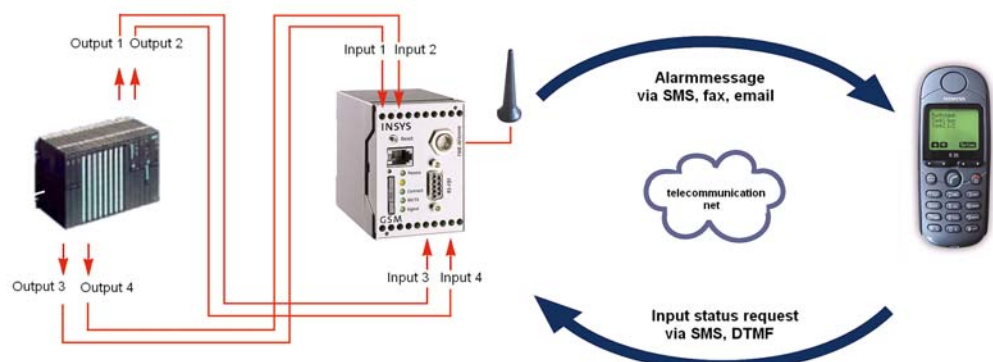
### Application:



## 2. To trigger a alarm with GSM I4

The INSYS GSM I4 comes with 4 digital alarm inputs. These inputs allow the sending of up to 40 different messages to 40 different receivers. Via SMS respectively DTMF the 4 inputs of the GSM data set can be read from afar.

### Applicationsample:



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## Technical Data

network interface	GSM radio communication network 900/1.800 MHz (Dualband)		
maximum data rate	GSM CSD up to 14.400 bps,		
digital inputs <sup>1)</sup>	4		
<b>Features</b>			
configuration	AT commands over serial line, remote configuration, configuration commands by SMS		
connections	automatic registration after power loss, time scheduled check out and regeistration, data and voice connections, send/receive SMS, auto answer mode, hardware software handshake, idle connection control, number storage <sup>1)</sup> , alive and power-up SMS		
alarm functions <sup>1)</sup>	triggered by alarm input or AT command (SMS only): send SMS, fax and email, establish data connection, transmit alarm text over data connection, establish voice connection		
output control	AT command (local and remote), SMS, RING, loss of GSM network, DTMF		
security functions <sup>1)</sup>	password protection for connection, security callback, remote control and SMS command; selective call answer		
data format	7E1, 7O1, 7N1, 7N2, 8N1, 8E1, 8O1, 8N2		
protocols	GSM CSD: up to 14.400 bps, non transparent mode (RLP), V.110, V.32 SMS according to TS21/22/23, voice according to TS11/12, Fax group 3 according to TS62, USSD		
<b>Electrical Features</b>			
supply voltage	10...60 VDC		
current consumption	transmit burst	transmission	standby, registered
	GSM 2,5 A	480 mA	110 mA
input / output	SPDT (single pole double throw) switches by galvanic insulated relays maximum voltage: 30V DC / 42 V AC maximum current: 1A DC / 0.5 A AC		
serial line speed	300 – 115.200 bps		
<b>Physical Features</b>			
size (w×l×h)	55x110x75 mm		
environmental temperature	0...+55°C		
humidity	0...95% (non condensing)		

Product name	Features	Order number
INSYS GSM I4	4 digital Inputs	11-02-01-03-01.

other versions with 2 I/Os, control of Siemens LOGO!<sup>TM</sup> and Moller easy<sup>TM</sup> available

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