

GPRS-T1

GPRS/SMS monitoring converter

The GPRS-T1, owing to its function of converting event codes into the GPRS technology transmittable form or into the SMS message format, enables designing the alarm systems without taking the telephone line availability into account. Using the GPRS technology makes it possible to reduce the costs related to monitoring. Additionally, the device offers the capability of SMS notification or CLIP service about occurrence of selected events.

GPRS-T1 converter features

- simulation of the telephone monitoring station
- receiving the monitoring codes sent in DTMF telephone format (Ademco Express or Contact ID)
- converting and resending the event codes to two monitoring stations by using:
 - GPRS transmission
 - SMS messages
- automatic feature of SMS message substitution for GPRS transmission in case of any problems with the GPRS transmission
- acknowledgement of receiving the event code:
 - on sending an SMS message (conversion of codes into SMS format)
 - after kiss-off signal from the monitoring station (code conversion into the GPRS technology transmittable form)
 - immediately on receiving the event code (only SMS messaging)
- coded transmission of events sent by using the GPRS technology
- notification by means of SMS messages about 32 selected events
- periodical test transmissions to check the converter availability:
 - to selected telephone numbers (using SMS message or CLIP service)
 - to monitoring stations
- capability of triggering additional test transmissions:
 - after identification of the calling party telephone number (CLIP service)
 - after receiving a command from the GPRS-Soft program
- pre-paid balance and time limit query function
- level indicator of signal received by the GSM telephone and indicator of problems related to GSM network login
- OC type output for signaling a problem with GSM network login
- converter configuration:
 - locally – through RS-232 port (TTL)
 - remotely – via GSM network (GPRS technology)
- automatic module restart
- supply voltage 12 V DC ($\pm 15\%$)



CONVERTER SPECIFICATIONS

GPRS-T1

Supported monitoring formats	Ademco Express, Contact ID, SIA
Form of sending event codes	GPRS transmission, SMS message
Acknowledgement of event receiving from control panel	yes
Number of telephone numbers to be notified	4
Number of SMS notification messages	32
Periodical test transmissions	yes
Option to trigger additional test transmissions	yes
Number of OC type low-current outputs	1
Supply voltage	12 V DC $\pm 15\%$
Current consumption, stand-by	50 mA
Current consumption, maximum	180 mA
Current-carrying capacity, FT output	50 mA
Environmental class	II
Working temperature range	-10...+55 °C
Electronics board dimensions	80 x 57 mm
Weight	184 g



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