Opis

XF-GPRS modem is applied in Supervisory Control and Data Acquisition systems (SCADA) for data transfer between microprocessor controllers or PLC and supervisory working station, using public GSM mobile network.

GPRS service is available on the whole territory cowered by GSM network of any GSM service provider! System is protected from unauthorized access by using private APN.

Additional advance is low cost usage, based on amount of transferred data instead connection time.

XF-GPRS is industrial communication device for serial data transfer in peer-to-peer or star configurations.

This device could be configured to work in master or slave mode. Master modem makes connection with slave modems using dynamic IP route selection from memorized route table, while slave modems have fixed route of master modem. Whole configuration work is done within any terminal program in modem command mode. Data transfer is taking without any control codes.

Four LED diodes (ON, GSM, RDY, BSY) indicate device state. All wire connections are made with plug / unplug connectors. Housing of the device is by standard DIN rail 35 mm.

NOTE:
XF-GPRS modem has to comunicate with fixed IP addresses in VPN GPRS networks. Due to it is necessary that user contacts GSM mobile network operator and provide appropriate SIM cards.

Technical data

* Power: 8-30V DC
* Consumption: still 0.2W, max 3W
* Frequency: 900/1800 MHz
* Output power: class 4 (2W at 900MHz)
                                   class 1 (1W at 1800 MHz)
* Antenna: 50 Ω, SMA connector
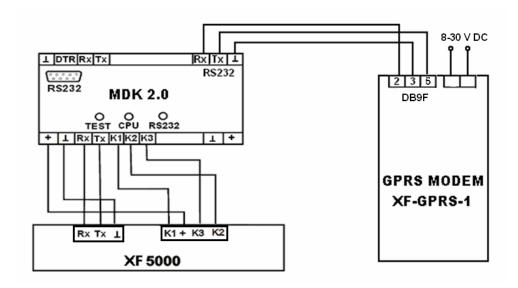* Connectors: plug in connector 5 mm raster
* Comm. interface: RS232C DCE, DB9F
* Env. temperate: (0-55)°C
* Env. humidity   (0-75)%
* Protection: IP40
* Dimensions: 70x85x58 mm

Wiring diagram

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Data sheet   05/2009*

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