ТИК Research and production enterprise

3G RS-485 64Gb

TIK-REG recorder

Designed for connecting various devices to it via digital RS-485 / Ethernet interfaces, collecting and storing information from these devices, sending the collected information to the server, and generating actions based on events

TIK-REG 021
digital interfaces
RS-485 / Ethernet,
relay output,
discrete input

TIK-REG 121
digital interfaces
RS-485 / Ethernet, relay output, discrete input, 3G modem

Description

When connecting devices to it, it collects / stores the received information and various parameters (via digital interfaces), as well as configures the operation of devices.

The recorder is also capable of transmitting information to external devices using a 3G cellular network.

Features

- the presence of a full-fledged GSM module with support for 3G networks, a slot for a SIM card and an external antenna*;
- connection of an external GPS module operating via the RS-485 interface (at the request of the customer);
- built-in flash-drive up to 64 Gb;
- relay output, discrete input;
- availability of digital communication channels 2xRS-485 (Modbus RTU Master / Slave) and 1xEthernet (Modbus TCP);
- availability of web-interface for setting up the recorder;
- the ability to access data on a flash-drive through an FTP-server;
- LED indication of instrument status and data transfer process;
- compact case.

** only for TIK-REG 121*

Specifications

Interface

Input signal type:
- 2xRS-485 (Modbus RT Master / Slave);
- Ethernet (Modbus TCP);
- discrete input

Output signal type:
- relay output;
- 3G cellular signal

Power supply, V . . . . . +24±2
Power consumption, not more than, W 2

Performance

Operating temperature range, °C . . . . . -40...+60

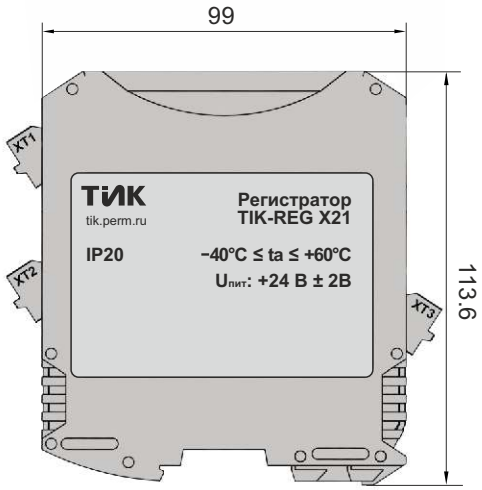
Design features

Overall dimensions, mm 99x113.6x22.6
Weight, kg, not more than 0.2
Protection class IP20
Mounting . . . . . on DIN-rail

Reliability and manufacturer's warranties

MTBF, hours, not less than 20 000
Service life, years, not less than 10
Warranty service life, months 18

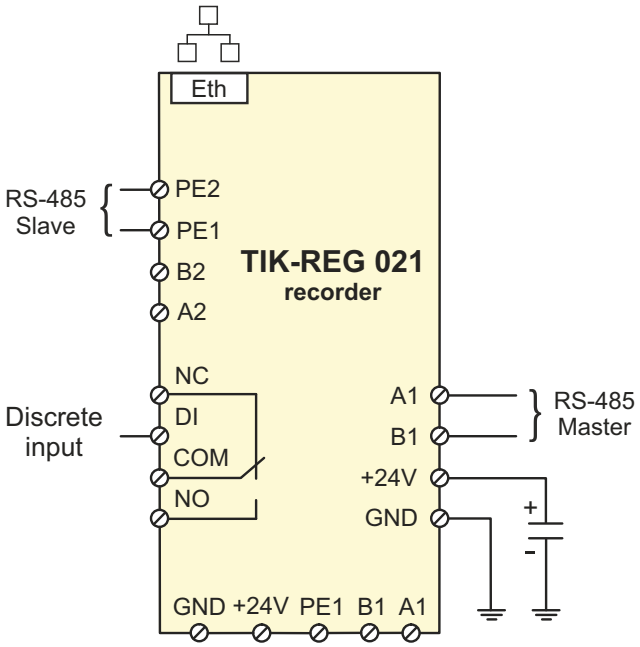
General view

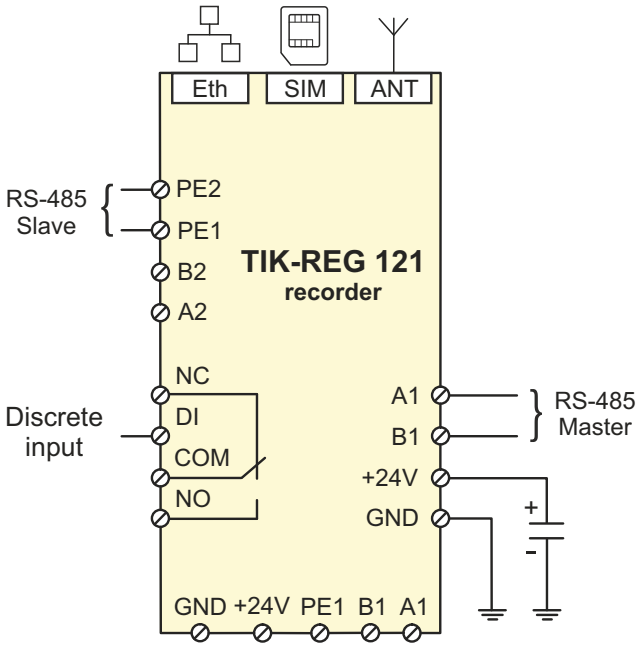


TIK-REG 021

TIK-REG 121

Wiring diagram





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