

Module SF485

Technical passport

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1. Description

SF485 Sigfox module is designed to work with TRIKDIS universal cellular or IP communicators. SF485 works as secondary channel for security panel events transmission to Central Monitoring Station (CMS) or Protegus mobile app, when primary channel fails. Events are transmitted in Contact ID format.

Features

Communication

- Communication network: Sigfox.

Settings and installation

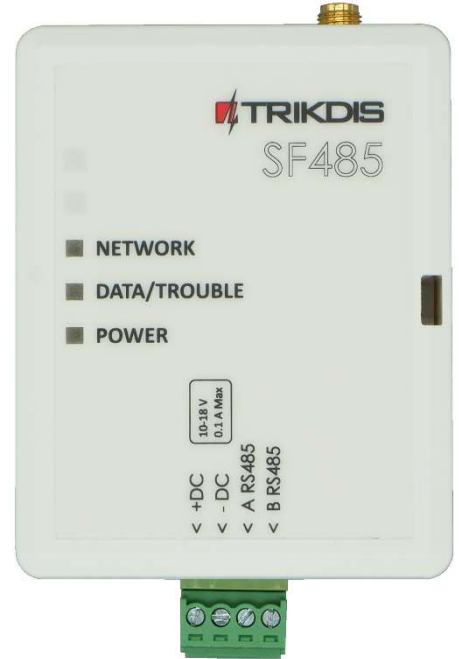
- No settings required.

Transmission of events

- Contact ID events are transmitted from the G16S (G16TS) communicator or similar.

Interface

- RS485.

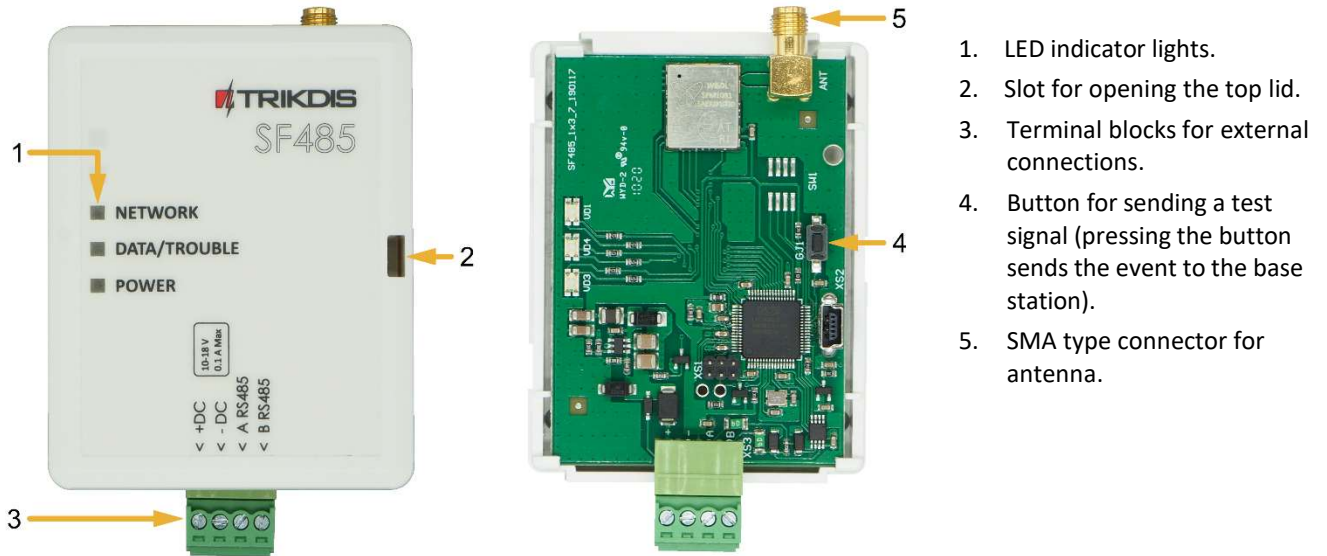


2. Specifications

Parameter	Description
Power supply voltage	10-18 V DC
Current consumption	Up to 15 mA (stand by) Up to 60 mA (short-term, transmitting)
Network	Sigfox
Region	RC1
Device uplink radiation class	0U*
Sigfox ready certificate	P_01B8_6C72_01
Event reporting protocol	Contact ID
Interface	RS485
Protection class	IP20
Operating environment	Temperature from -10 °C to +50 °C, relative humidity 80% at +20 °C, no condensation
Dimensions	92 x 62 x 26 mm
Weight	70 g

* It is recommended to use PulseLarsen Antenna W5017

3. Elements of module SF485



1. LED indicator lights.
2. Slot for opening the top lid.
3. Terminal blocks for external connections.
4. Button for sending a test signal (pressing the button sends the event to the base station).
5. SMA type connector for antenna.

4. Purpose of external terminals

Terminal	Description
+DC	Power supply terminal (positive 10-18 V DC)
-DC	Power supply terminal (negative 10-18 V DC)
A RS485	Terminal A of RS485 data bus
B RS485	Terminal B of RS485 data bus

5. LED indication of operation

LED indicator	Light status	Description
NETWORK	Green solid	SigFox data is being sent
DATA/TROUBLE	Green solid	There are unsent event messages
	Yellow solid	Problems with the connection to the RS485 module
POWER	Green blinking	Power supply is on with sufficient voltage
	Red blinking	Power supply voltage is insufficient

If the LED indicator is not lit at all, check the power supply and connections.