iButton key reader *TM17*

Installation manual

October, 2018

Contents

Safety precautions

The system should be installed and maintained only by qualified personnel.

Please read this manual carefully prior to installation in order to avoid mistakes that can lead to malfunction or even damage to the equipment.

Always disconnect the power supply before making any electrical connections.

Any changes, modifications or repairs not authorized by the manufacturer shall render the warranty void.

Please adhere to your local waste sorting regulations and do not dispose of this equipment or its components with other household waste.

1 Description

The *iButton* key reader works with the CG17 control panel. The ***TM17*** will arm/disarm the security system after making contact with a pre-programmed *iButton* key. Every *iButton* key has a unique number that must be written to the CG17. This ensures safety because the system can only be controlled by keys that are linked to the system.

1.1 Specifications

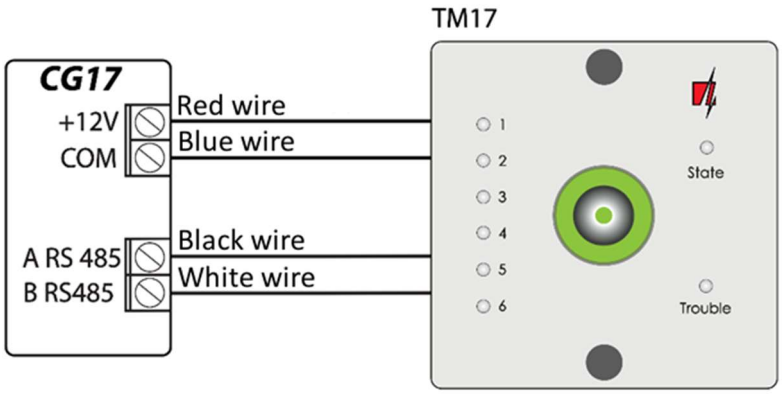
Parameter	Description
Power supply voltage	10-28 V DC
Current consumption	50mA
Data bus	RS485
Operating environment	Temperature from -10 °C to +50 °C, relative humidity up to 80% at +20 °C
Dimensions	82x82x12 mm
Weight	0,05 kg

1.2 LED indication of operation

Indicator	State	Description
1 (2, 3, 4, 5, 6)	Off	Zone not triggered
	Red solid	Zone triggered
	Red blinking	Triggered zone caused security system to trigger
State	Green solid	Security alarm area is disarmed
	Red solid	Security alarm area is armed
	Red blinking	Exit time is being counted down
Trouble (CG17 control panel problem)	Off	No operational problems
	1 blink	No SIM card inserted
	2 blinks	The PIN code of the SIM card is incorrect
	3 blinks	Unable to connect to GSM network
	4 blinks	Unable to connect to the IP receiver using the primary channel
	5 blinks	Unable to connect to the IP receiver using the backup channel
	6 blinks	Internal clock of the ***CG17*** is not set
	7 blinks	Insufficient power supply voltage from the backup supply
	8 blinks	No AC power
	9 blinks	Problems with the connection to the *RS485* module

2 Installation and connection

The ***TM17*** should be installed 1,5 m high from the floor. Connect the ***TM17*** to the ***CG17*** using a twisted-pair cable (UTP4x2x0,5 or STP4x2x0,5). Length of the RS485 connection - up to 300 m. Disconnect the power source while connecting the wires.

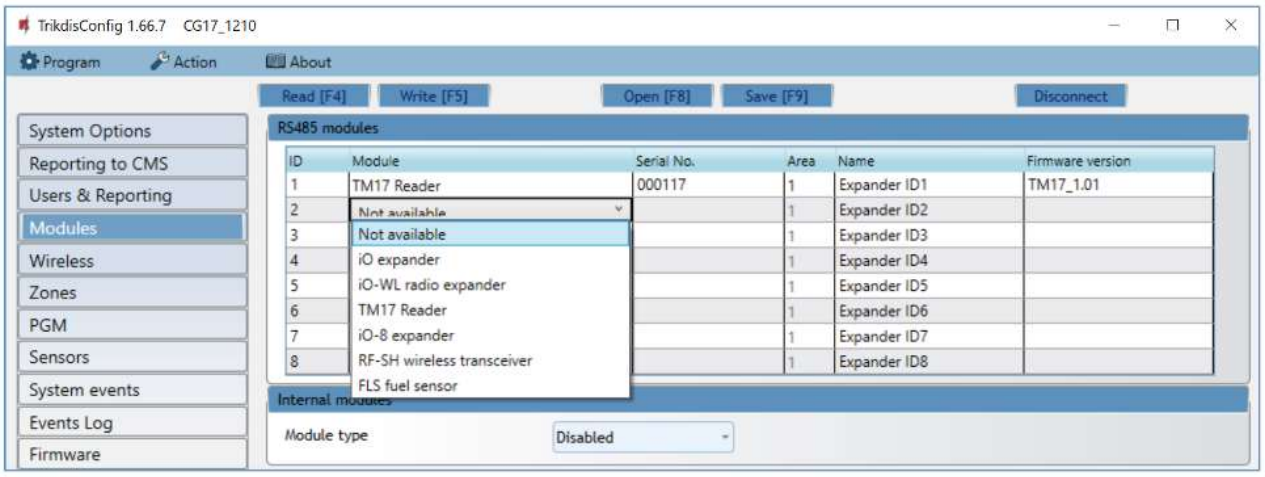


3 Configuration with TrikdisConfig

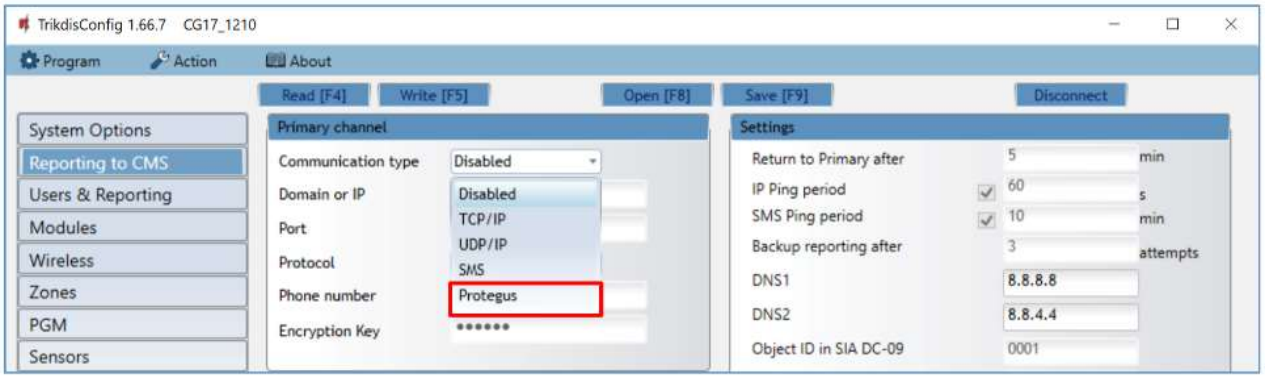
You can find the ***TrikdisConfig*** configuration software on the webpage *www.trikdis.com*. The ***TM17's*** settings are changed using the ***TrikdisConfig*** program via USB or remotely.

1. Download the program ***TrikdisConfig*** from www.trikdis.com.

2. Configuration via USB. Connect a USB cable to the ***CG17***. Launch the program ***TrikdisConfig***.
3. When the ***CG17*** configuration window opens, click the button **Read [F4]** to make the program read the parameters currently saved on the ***CG17***. If a window for entering the *Administrator code* opens, enter the 6-symbol *administrator* code. To make the program remember the code, tick the box next to **Remember password** and click the button **Write [F5]**.
4. In the "**Modules**" window, choose ***TM17 Reader***, enter its Serial No. and assign it to an area (from 1 to 8). ***CG17*** zone inputs are assigned to areas.



5. In the "**Reporting to CMS**" window, the **primary channel's** "**Communication type**" must be set to "**Protegus**". This will allow the ***CG17*** to exchange data with ***Protegus*** and ***TrikdisConfig*** applications remotely.

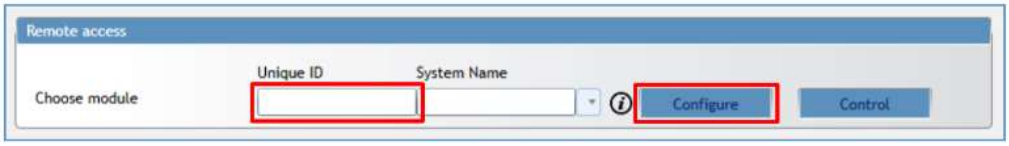


6. When system configuration is finished click **Write [F5]**. Wait for the data to be saved and click **Disconnect**. Disconnect the USB cable.

4 Assigning contact keys

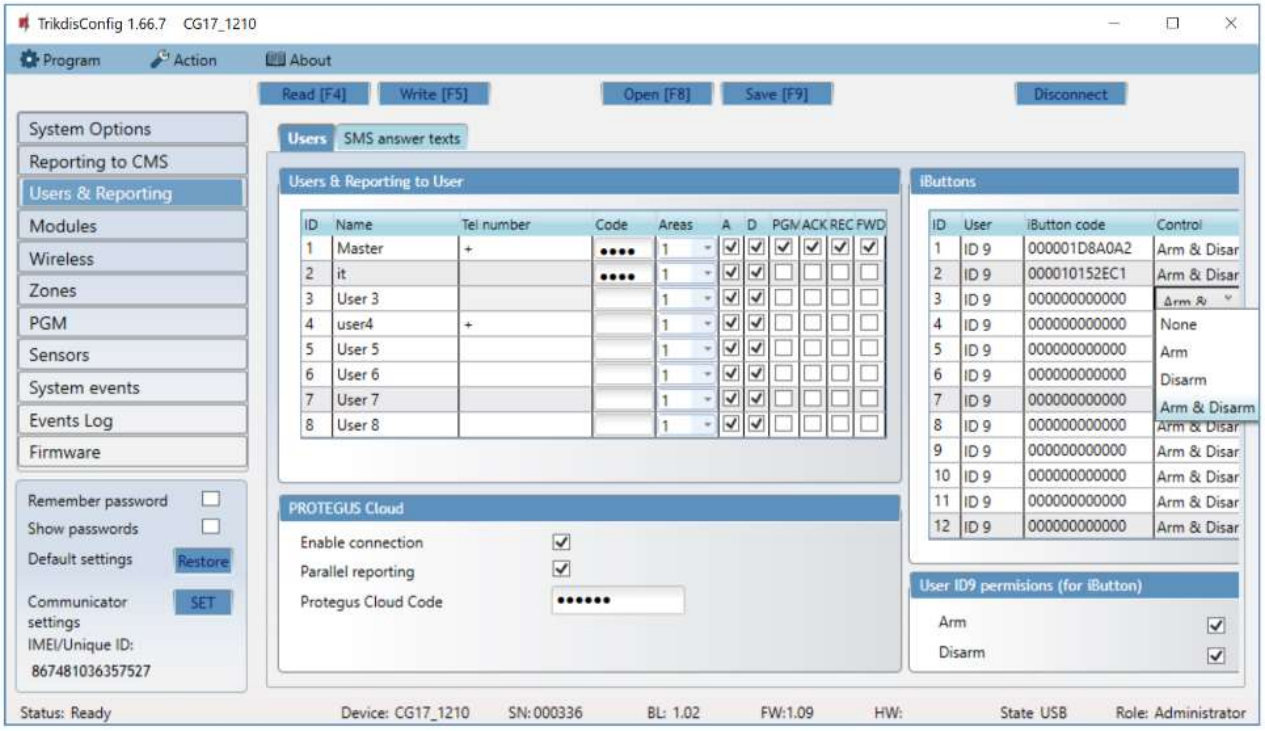
Contact (*iButton*) keys can be assigned in the ***TrikdisConfig*** software's window "**Users & Reporting**" via USB or remotely.

- After launching the ***TrikdisConfig*** software, enter the individual ***CG17***'s "*IMEI/Unique ID*" in the **Unique ID** field and click **Configure** (to add new contact keys to the ***CG17*** remotely):



Or connect a USB cable to the ***CG17*** (to add new contact keys via USB).

- The ***CG17*** configuration window will open. Click **Read [F4]** to see the settings currently saved on the device.
- Open the window "**Users & Reporting**".



Settings group "*iButtons*"

- **ID** – key number.
- **User** – for assigning the key to a user. To assign the key to a user, change **ID9** to any other user *ID* from the table "**Users & Reporting to User**" (e.g. to assign a key to user No.2 change ID9 to ID2).
- **iButton code** – identificational *iButton* key number.
- **Control** – choose what action the system should take when the ***TM17*** reader reads the key: None / Arm / Disarm / Arm & Disarm.
- When you are finished making the desired settings, click **Write [F5].** Wait for the data to be saved and click the button **Disconnect**.

Adding *iButton* keys without the *TrikdisConfig* software

1. If the list is empty, the first registered *iButton* key is saved in the first line and it becomes the "Master" key.
2. To add other *iButton* keys to the system, first use the Master key – hold the Master key against the reader for 10s, the "State" indicator will begin to blink in green**,** then hold the new key against the reader. When the key is registered to the ***TM17***, the indicator "State" will blink in red and you will hear an audio signal.
3. After successfully registering *iButton* keys, use the Master key again to leave registration mode.
4. If you want to delete all keys, hold the Master key to the *iButton* key reader for 20s.

Note:	You can assign more than one *iButton* key to a user. All newly registered keys will be assigned to user ID9 (default setting). Assign a key to a user with ***TrikdisConfig***. The Master key is used for registering new *iButton* keys. When using the Master key, a working delay of up to 1 second is possible.