



# GSM communicator for fire alarm control panels G17F

Installation manual February, 2019



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# **Safety precautions**

The communicator 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 modifications, modernization 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 household waste.



# **1** Description

The *G17F* is used for transmitting fire alarm control panel messages via cellular network.

Principle of operation. When an input (zone) of the communicator is violated, the *G17F* will transmit an event message to the Central Monitoring Station's receiver or to the *Protegus* app using mobile internet. It can also send SMS messages and make phone calls. The communicator is available with 2G, 3G or 4G modems.

# Features

# Messages to the security company

- Sends event information to TRIKDIS software and hardware receivers, which work with any monitoring software.
- Can send events to SIA DC-09 receivers.
- If connection via the main channel is lost, the messages are automatically sent to a backup receiver.
- Can report events to the Central Monitoring Station using SMS messages. Extremely useful because it works even when IP connectivity is disrupted in the mobile operator's network.
- Cellular network jamming recognition.
- Can simultaneously report events to the Central Monitoring Station and work with the *Protegus* app. It is possible to set priority for sending events to the Central Monitoring Station.
- Event messages are sent in Contact ID codes.

#### Messages to users

- Calls selected phone numbers (up to 8 users).
- Sends SMS messages about events.
- "Push" and special sound event notifications using the *Protegus* application.

#### Remote control of outputs

- Via *Protegus* app.
- By calling the device's phone number.
- Via SMS messages.



# Settings and installation

- Quick and easy installation.
- Device configuration either using an USB cable or remotely using *TrikdisConfig* software.
- Remote updating of firmware.
- Two access levels (types of accounts) for setting parameters: for the installer and for the administrator.

#### Inputs and outputs

- 3 inputs, selectable type: NO, NC, EOL ( $10k\Omega$ ).
- 3 double purpose I/O terminals that can be set as input (IN) or output (OUT) terminals. Selectable input types: NO, NC, EOL (10 kΩ).
- RS485 bus for connecting iO series expander modules.
- Using iO series expanders, the number of inputs (IN) or outputs (OUT) can be increased to 12.



# 1.1 Specifications

Parameter	Description
GSM/GPRS modem frequencies	850 / 900 / 1800 / 1900 MHz
3G modem frequencies	800 / 850 / 900 / 1900 / 2100 MHz
LTE modem frequencies	700 / 800 / 900 / 1800 / 2100 / 2600 MHz
Power supply voltage	9-32 V DC
Current consumption	50 mA (stand-by).
	Up to 200 mA (transmitting).
Transmission protocol	TRK, SIA DC-09_2007, SIA DC-09_2012
Encryption key	6 symbol encryption key.
Connection to CMS	TCP/IP or UDP/IP, SMS
Event codes	Contact ID codes.
Memory	Up to 60 messages.
Inputs and outputs	3 inputs, can be set as NO, NC, EOL=10 k $\Omega$ type.
	3 double purpose terminals (IN/OUT), can be set as NO, NC, EOL=10 k $\Omega$ type inputs or open collector (OC) type outputs with current up to 100 mA.
Event memory	Up to 1000 events.
Configuration	Remotely using TrikdisConfig software or locally using USB Mini- B. Remotely using SMS messages.
Operating environment	Temperature from -10 °C to +50 °C, relative air humidity – up to 80% at +20 °C.
Dimensions	65 x 77 x 25 mm
Weight	80 g



# **1.2** Elements of the *G17F* communicator



- 1. SMA connector for GSM antenna.
- 2. Indicator lights.
- 3. Slot for removing top cover.
- 4. Terminals for connecting wires.
- 5. USB Mini-B connector for programming the communicator.
- 6. SIM card holder.

# **1.3** Purpose of terminals

Terminal	Description
+DC	Power supply terminal (9 - 32 V DC positive terminal)
-DC	Power supply terminal (9 - 32 V DC negative terminal)
1 IN	$1^{st}$ input terminal, selectable type: NO, NC, EOL=10 k $\Omega$ (default setting)
2 IN	$2^{nd}$ input terminal, selectable type: NO, NC, EOL=10 k $\Omega$ (default setting)
СОМ	Common (negative) terminal
3 I/O	$3^{rd}$ double purpose terminal (IN/OUT), can be set as input of selectable type NO, NC, EOL=10 k $\Omega$ (default setting) or open collector (OC) type output with current up to 100 mA
4 I/O	$4^{th}$ double purpose terminal (IN/OUT), can be set as input of selectable type NO, NC, EOL=10 k $\Omega$ (default setting) or open collector (OC) type output with current up to 100 mA
СОМ	Common (negative) terminal
5 I/O	$5^{th}$ double purpose terminal (IN/OUT), can be set as input of selectable type NO, NC, EOL=10 k $\Omega$ (default setting) or open collector (OC) type output with current up to 100 mA
6 IN	$6^{th}$ input terminal, selectable type: NO, NC, EOL=10 k $\Omega$ (default setting)
A RS485	DS 49E terminals for connecting an iQ input and output expander or other equipment
B RS485	K3465 terminals for connecting an io input and output expander or other equipment

# **1.4 LED indication of operation**

Indicator	Light status	Description
Network	Off	Not connected to GSM network



Indicator	Light status	Description			
	Green solid and yellow blinking	The communicator is connected to GSM network. Sufficient GSM signal strength level for GPRS is 5 (five yellow flashes) and 3 for 3G (three yellow flashes).			
Data	Green solid	Message is being sent			
	Yellow solid	There are unsent events in the data buffer			
Power	Green blinking	The power supply voltage is sufficient			
	Yellow blinking	The power supply voltage is insufficient			
	Green and yellow blinking	Configuration mode is on			
Trouble	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 G17F is not set			
	8 blinks	Insufficient power supply voltage			
	9 blinks	Problems with the connection to the <i>RS485</i> module			

# **1.5** Components necessary for installation

Before beginning installation, make sure that you have:

- 1) A USB Mini-B type cable for configuration.
- 2) At least 4-wire cable for connecting the communicator to the fire control panel.
- 3) A flat-head 2,5 mm screwdriver.
- 4) An external GSM antenna if network coverage in the area is poor.
- 5) An activated nano-SIM card (PIN code requests can be turned off).
- 6) The manual of the fire control panel that the communicator will be connected to.

Order the necessary components separately from your local distributor.

# 2 Quick configuration using *TrikdisConfig* software

- 1) Download the configuration software *TrikdisConfig* from <u>www.trikdis.com</u> (type "TrikdisConfig" in the search field) and install it.
- 2) Remove the lid of the *G17F* using a flat-head screwdriver as shown below:





- 3) Connect the *G17F* to the computer using a USB Mini-B cable.
- 4) Launch *TrikdisConfig*. The program will automatically recognize the connected device and will automatically open the *G17F* configuration window.
- 5) Click the **Read [F4]** button to see the current parameters of the *G17F*. If a window requesting the administrator or installer code opens, enter the 6-digit code.

Below we describe the settings you need to edit to make the controller send events to the *Protegus* app or to the Central Monitoring Station.

# 2.1 Settings for connecting to Protegus app

# In the "Users & Reporting" window, "PROTEGUS Cloud" settings group:

TrikdisConfig 1.66.9 G17F_2310		i=	- 🗆	×
Program Action	C About			
1	Read [F4] Write [F5] Open [F8] Save [F9]	Disconnect		
System Options	Henry SMS answer toute SMS for Control panel			
Reporting to CMS	Users and answer texts and for control panel			
Users & Reporting	Users & Reporting to User			
Modules	ID Name Tei number PGMACK FWD			
7	1 Peter +37060123456			
Zones	2 User 2 +			
PGM	3 User 3			
System events	4 User 4			
Events Log	5 User 5			
Firmware	6 User 6			
	7 User 7			
	8 User 8			
Remember password				
Show passwords	PROTEGUS Cloud			
Default sattings	Enable connection			
Default settings Nestore	Parallel reporting			
	PROTEGUS Cloud access Code 123456 2			
IMEI/Unique ID:				
805789026744039				
Status: Ready	Device: G17F_2310 SN: 000002 BL: 1.02 FW:1.07 HW:	State USB R	ole: Adminis	trator

- 1) Tick the box **Enable connection**.
- Change the PROTEGUS Cloud access Code if you want users to be asked to enter it when they add the system in the *Protegus* app (default password – 123456).



#### In the "System options" window, "SIM" settings group:

TrikdisConfig 1.66.9 G17F_2310				- 🗆 X
Program Action	🕮 About			
System Options Reporting to CMS Users & Reporting	Read [F4] Write [F5] System general Access General	Open [F8] Sav	xe (F9) SIM	Disconnect
Modules Zones PGM	Object ID Object name Test period	0001 G17F 1 day(-s) 0 h	SIM card PIN APN	1234 3 internet 4
System events Events Log Firmware	Time synchronization Clear Events after reset SMS language Suspend event reporting when 2	GSM modem • • English • same events per 10 s	Password	
Remember password Show passwords Default settings Restore	Restore event reporting after Low power voltage	1 min 24 volts •		
IMEI/Unique ID: 865789026744039 Status: Ready	Device: G17F 2310 SN:00	0002 BL: 1.02 F		State USB Role: Administrator

- 3) Enter the SIM card PIN code.
- 4) Change the **APN**. You will find the **APN** on the SIM operator's website. "Internet" is universal and works in the networks of most operators.

📫 TrikdisConfig 1.66.9 G17F_2310									- <u></u>	×
🛱 Program 🔗 Action	About									
	Read [F4]	Write [F5]		Open [F8]	Save	[F9]			Disconnect	
System Options	Zones si	attinos SMS & Call	reporting			5				
Reporting to CMS	Zones se	attings and c can	reporting			Ĺ				
Users & Reporting	Zone No	Input	Definition	Туре	ARC	Prot.	Delay	CID Code		
	1	G17F 1 IN	24_hours	EOL	-		400	133		
Modules	2	G17F 2 IN	24_hours	EOL	~		400	133		
Zones	3	Disable	24_hours	EOL	1	~	400	133		
PGM	4	Disable	24_hours	EOL	-	-	400	133		
	5	Disable	24 hours	EOL	-	1	400	133		
System events	6	G17F 6 IN	24_hours	EOL	-	-	400	133		
Events Log					-		-		_	

#### In the "Zones" window:

5) Tick the boxes if you want users to receive notifications to *Protegus* about changes in zone states.

#### In the "PGM" window:

TrikdisConfig 1.66.9 G17F_231	0						122	×
🔅 Program 🎤 Action	About							
	Read [F4]	Write [F5]	Open [F8] S	iave [F9]		Disc	connect	
System Options	Outputs	SMS & Call reporting						
Reporting to CMS	Cutputs	Sivis & can reporting						-
Users & Reporting	PGM No	PGM output	Output definition	Pulse Time, s	ARC	Prot.		
osers at heporting	1	G17F 3 I/O	Remote Control	20		✓		
Modules	2	G17F 4 I/O	Remote Control	20				
Zones	3	G17F 5 I/O	Remote Control	20			6	
PGM		in .						



6) Tick the boxes if you want users to receive notifications to *Protegus* about changes in PGM output states.

#### In the "System events" window:

TrikdisConfig 1.66.9 G17F_23	10				- 0
🏟 Program 🛛 🔑 Action	🕮 About				
	Read [F4] Write [F5]	Open [F	[8] Save [F9]		Disconnect
System Options	Events SMS & Call reporting		7		
Reporting to CMS				-	
Users & Reporting	ID Event name	Enable ARC	Prot. CID Code	SMS event text	SMS restore text
	1 Low power	V V	302	Low power	Power restore
Modules	2 Periodic test	<b>V V</b>	602	Periodic test	
Zones	3 RS485 fault	<b>v v</b>	333	RS485 device fault	RS485 device restore
PGM	4 GSM jamming	<b>VV</b>	344	GSM jamming	NO GSM jamming
System events	5 Start IP event	<b>v</b>	700		

7) Tick the boxes if you want users to receive notifications to *Protegus* about changes in the communicator's internal event states.

After finishing configuration, click the Write [F5] button and disconnect the USB cable.

Note: See chapter 5 "Description of TrikdisConfig windows" to find more about other G17F settings in TrikdisConfig.

# 2.2 Settings for connecting to Central Monitoring Station

TrikdisConfig 1.66.9 G17F_2310	0	- 🗆 X
Program 🎤 Action	D About	
System Options         Reporting to CMS         Users & Reporting         Modules         Zones         PGM         System events         Events Log         Firmware	Read [F4]     Write [F5]     Open [F8]     Save [F9]       System general     Access       General     0001     1       Object ID     0001     1       Object name     G17F     1       Test period     I     1       Time synchronization     GSM modem     Password       Clear Events after reset     Image: Clear Events after reset     Image: Clear Events after reset	Disconnect
Remember password  Show passwords Default settings Restore IMEI/Unique ID: 865789026744039	SMS language English * Suspend event reporting when 2 same events per 10 s Restore event reporting after 1 min Low power voltage 24 volts *	

In the "System Options" window:

- 1) Enter the **Object ID**.
- 2) Enter the SIM card PIN number.
- 3) Change the **APN**. You will find the **APN** on the SIM operator's website. "Internet" is universal and works in the networks of most operators.



#### In the "Reporting to CMS" window:

	About					_	
	Read [F4] Write	e [F5]	Open [F8]	Save [F9]		Disconnect	
System Options	Primary channel			Settings			
Reporting to CMS	Communication type	TCP/IP	- 4	Return to Primary after		5	min
Users & Reporting	Domain or IP	0.0.0.0	5	IP Ping period	$\checkmark$	60	s
Modules	Port	0	6	SMS Ping period	~	10	min
Zones	Protocol	TRK	7	Backup reporting after		3	attempts
PGM	Phone number	Le contra de la co		DNS1		8.8.8.8	
System events	Face at las Kar			DNS2		8.8.4.4	
Events Log	Encryption key			Object ID in SIA DC-09		0001	
Firmware				SIA DC-09 receiver No.		1	
	Backup channel			SIA DC-09 line No.		1	
	Communication type	Disabled	- 9				
	Domain or IP	0.0.0.0		Backup channel 2			
Remember password	Port	0		Phone number			10
Show passwords	Protocol	TRK	*				
Default settings Restore	Phone number						
	Encouption Key	******					
	End yption ney						
MEI/Unique ID:							

- 4) **Communication type** choose a communication type (we do not recommend using SMS for the primary channel).
- 5) **Domain or IP** enter the receiver's domain or IP address.
- 6) **Port** enter the receiver's network port number.
- 7) **Protocol** choose which transmission protocol should be used for sending messages: **TRK** (to TRIKDIS receivers), **DC-09\_2007** or **DC-09\_2012** (to universal receivers).
- 8) **Encryption Key** enter the receiver's encryption key.
- **Note:** If you want to set connection to the Central Monitoring Station via **SMS** messages, you only need to set the **encryption key** and **phone number**. SMS messages can be received by TRIKDIS central monitoring station IP/SMS receiver RL14, multi-channel receiver RM14 and SMS receiver GM14.

If you chose **DC-09** as the transmission protocol, additionally enter the object, line and receiver numbers in the **Settings** setting group of the **"Reporting to CMS"** window.

- 9) (Recommended) Configure the **Backup channel** settings.
- 10) (Recommended) Enter the **Backup channel 2** phone number.

After finishing configuration, click the Write [F5] button and disconnect the USB cable.

**Note:** See chapter **5 "Description of TrikdisConfig windows"** to find more about other **G17F** settings in **TrikdisConfig.** 



# **3** Wiring schematics, installation and turning on the system

# 3.1 Fastening

- 1. Before installing the system, make sure that GSM signal strength is sufficient in the place where the *G17F* will be mounted.
- 2. Remove the top cover, pull out the contact terminal blocks.
- 3. Remove the board.



- 4. Fasten the base of the casing in the desired place using screws.
- 5. Reinsert the board and the contact terminal blocks.
- 6. Screw on the GSM antenna.
- 7. Insert a nano-SIM card. The SIM card must be registered to a GSM network and services must be enabled and functional, i.e. the card must be able to call, send and receive SMS messages, have enabled mobile data. <u>Ask your SIM card's mobile network operator how to enable desired services</u>.
- **Note:** Ensure that the SIM card is activated.

Ensure that mobile data is enabled if you are going to use connection via IP channel.

If you want to avoid entering the PIN code in *TrikdisConfig*, insert the SIM card into a phone and disable the PIN code request function.



8. To configure the *G17F* remotely, insert a SIM card with disabled PIN code requests. Turn on the communicator's power supply. If the *G17F* was not configured using *TrikdisConfig* and *Protegus* service was not enabled, send the SMS message:

# CONNECT 123456 PROTEGUS=ON, APN=INTERNET

- 9. Changing parameters remotely is detailed in chapter 6 "Setting parameters remotely".
- 10. Reattach the top cover.



3.2 Schematic for connecting the communicator to a fire control panel



3.3 Schematic for connecting the communicator to an INIM Smartline fire control panel



**Slave** mode must be set for the **INIM Smartline** panel when it is connected to the *G17F* communicator via RS485 bus.





Note: You cannot connect the G17F using the RS485 bus if repeaters are connected to the INIM Smartline panel.
 iO expansion modules are not supported when the G17F is connected to the INIM Smartline panel via RS485 bus.

# 3.4 TrikdisConfig settings when an INIM Smartline fire control panel is connected

# In the "Modules" window:

📫 TrikdisConfig 1.66.9 G1	7F_2310					
🔂 Program 🛛 🎤 Actio	on 🛄 Abor	ut				
	Read	[F4] Write [F5]	Open [F8]	Save [F9]	Disconnect	
System Options	RS485	modules				
Reporting to CMS	ID	Module	Serial No.	Name	Firmware version	
Users & Penartina	1	Inim Smartline	1	Expander ID1		
osers or neporting	2	Not available		Expander ID2		

# 1) Choose the Inim Smartline module.

#### In the "PGM" window:

📫 TrikdisConfig 1.66.9 G17F_231	0					-	×
🔅 Program 🖉 Action	About						
	Read [F4]	Write [F5]	Open [F8] S	ave [F9]		Disconnect	
System Options	Outputs	SMS & Call reporting					
Reporting to CMS						_	
Users & Reporting	PGM No	PGM output	Output definition	Pulse Time, s	ARC Pro	ot.	
	1	G17F 3 I/O	Remote Control	20		<u>v</u> 2	
Modules	2	Disable	Remote Control	20			
Zones	3	Disable	Remote Control	20			
PGM							

2) Specify the G17F communicator's PGM output that is connected to the fire control panel's 19<sup>th</sup> (+Dialer) terminal. Set Output definition – Inim communicator. (The PGM output is turned on when the G17F communicator has problems connecting to the CMS or is unable to send messages. The indicator Disable/Fault Dialler lights up on the fire control panel and a sound signal is turned on.)



#### In the "Users & Reporting" window:

📫 TrikdisConfig 1.66.9 G17F_:	_2310	-	
🔅 Program 🥜 Action	M About		
	Read [F4] Write [F5] Open [F8] Save [F9]	Disconnect	
System Options	Henry CMC request touts SMC for Control annual		
Reporting to CMS	Users and answer texts and for control panel		
Users & Reporting	Users & Reporting to User		
Modules	ID Name Tel number PGV/ACK FWD		
7	1 Master +37060123456		
Zones	2 User 2 +37061234567		
PGM	3 User 3		
System events	4 User 4		
Events Log	5 User 5		
Firmware	6 User 6		
	7 User 7		
	8 User 8		
Remember password			
Show passwords	PROTEGUS Cloud		
Default cettings	Enable connection		
Restore	Parallel reporting		
	PROTEGUS Cloud access Code 123456		
IN FUEL IN THE ID			
IMEI/Unique ID:			
005/07020/44037			
itatus: Ready	Device: G17F_2310 SN: 000002 BL: 1.02 FW:1.07 HW: Sta	te USB Role:	Administrate

3) Enter phone numbers of users who should get messages from the *G17F* communicator.

# In the "SMS for Control panel" tab

Program 🎤 Action	Ab	out									
	Rea	d [F4]	Write [F5]		Oper	[F8]		Save [F9]	Disconne	ct	
System Options	Use	ers SMS	answer texts SMS for C	ontrol pan	el						
Reporting to CMS											
Users & Reporting				User 1		User 2					
Modules	Zn	CID	SMS text	SMS	Call	SMS	Call				
Noules	1	E110	Fire alarm					-			
Zones	2	E118	Fire pre-alarm state								
PGM	3	E380	Detector fault								
System events	4	E323	Line fault								
Events Log	5	E301	AC loss								
Livents Log	0	E302	Low battery		님						
Firmware	/	5311	Missing battery								
	8	E305	Panel reset	▼			4				
	9	E372	Zone short								
	10	E3/1	Zone open								
Remember password	11	E5/4	Zone disabled								
how passwords	12	K5/4	Zone enabled					1			
afault cattings	13	E004	lest		H			4			
restore Restore	14	E000									
	10	5000									
	10	5000	-				H				
MEI/Unique ID:	10	5000				H	H				
865789026744039	18	2000						W.			

4) Users will get SMS messages and phone calls about events that are ticked. You can add additional CID event codes in the **CID** column. You must enter **SMS text** messages next to new codes. If you want the user to receive messages (or calls) about events, tick the **SMS** (or **Call**) box.



# 3.5 Schematics for connecting inputs

The communicator has six (1IN - 6IN) input terminals (three terminals are dual purpose IN/OUT) for connecting NO, NC, EOL type circuits. Default input setting – monitor an EOL type circuit. You can set a different input type in the *TrikdisConfig* window **Zones**.

Schematics of NO, NC, EOL type circuits:



# 3.6 Schematic for connecting iO series expander modules

If the communicator needs more inputs IN or outputs OUT, connect a wired or wireless TRIKDIS iO series input and output expander.





# 3.7 Schematic for connecting an iO-8 expander module



# 3.8 Turning on the communicator

To turn on the communicator, you must first provide a power source for the fire control panel. If the communicator is working properly, the following *G17F* indicator lights should turn on:

- The "POWER" diode must be green solid (sufficient power supply voltage);
- The "NETWORK" diode must be green solid and blink yellow when the communicator is connected to a network.

# Note: Sufficient GSM signal level - 5 (five yellow flashes of the "NETWORK" indicator). Sufficient 3G signal level - 3 (three yellow flashes of the "NETWORK" indicator). If you count less than 3 yellow flashes of the "NETWORK" diode, the GSM signal level is insufficient. We recommend choosing a different place for installing the communicator or using a more sensitive GSM antenna. If the indication is different, search for the explanation in chapter 1.4 "LED indication of operation". If the G17F's indicator lights are completely inactive, check the power supply and connections.

# 4 Remote control

# 4.1 Adding the communicator to Protegus app

Using *Protegus,* users can see the system's state and receive notifications about system events.

1) Download and launch the *Protegus* app or use the browser version <u>www.protegus.eu/login</u>:





3) Click **Add new system** and enter the **G17F**'s "Unique ID" number. It can be found on the device and packaging sticker. After entering the unique ID, click the **Next** button.



# 4.2 Configuration and control via SMS messages

# 1. Change the administrator password

To ensure safety, change the default administrator SMS password. Send an SMS message of the following format:

# **PSW 123456 xxxxxx**

123456	Default administrator password
XXXXXX	New 6-symbol administrator password

#### 2. Allow other users to control

Only phone numbers on the user list can control the system using SMS messages or phone calls. From an administrator phone, send SMS messages with other people's phone numbers and names to allow them to control the system:

#### SETN xxxxxx PHONEx=+PHONENR#NAME

XXXXXX	6-symbol administrator password
X	User's number on the list. (If you write 1 as the user number, you will transfer your administrator's rights to the other user.)
PHONENR	User's phone number
NAME	User's name

#### SMS command list

Command	Data	Description
INFO		Request information about the communicator. Communicator type, IMEI number, serial number and firmware version will be included in the answer. E.g.: <i>INFO</i> <b>123456</b>
RESET		Reset the device. E.g.: <b>RESET 123456</b>
OUTPUTx	ON	Turn on an output, "x" is the output number. E.g.: <i>OUTPUT1 123456 ON</i>
	OFF	Turn off an output, "x" is the output number. E.g.: <i>OUTPUT1 123456 OFF</i>



# GSM communicator for fire control panels G17F

Command	Data	Description
	PULSE=ttt	Turn on an output for a few seconds - "x" is the OUT output number, and "ttt" is a three-digit number that specifies pulse time in seconds. E.g.: <b>OUTPUT1 123456 PULSE=002</b>
PSW	New password	Change password. E.g.: <b>PSW 123456 654123</b>
TIME	YYYY/MM/DD,12:00:00	Set date and time. E.g.: TIME 123456 2019/01/09,12:23:00
ΤΧΤΑ	Object name	Specify an object name. E.g.: TXTA 123456 House
ΤΧΤΕ	Z1= <text>  Z12=<text></text></text>	Customize zone alarm SMS message text: Z1Z12 – input zone number. E.g.: <b>TXTE 123456 Z1=ALARM in Zone1</b>
TXTR	Z1= <text>  Z12=<text></text></text>	Customize zone restore SMS message text: Z1Z12 – input zone number. E.g.: <b>TXTR 123456 Z1=Restore Zone1</b>
RDR	PhoneNR#SMStext	Forward SMS messages to the specified number. The phone number must start with a "+" sign and the international country code. E.g.: <b>RDR 123456 +37061234567#forwarded text</b>
ASKI		Request SMS message about statuses of inputs IN. E.g.: <i>ASKI 123456</i>
ASKO		Request SMS message about statuses of outputs OUT. E.g.: <i>ASKO 123456</i>
SETN	PhoneX=PhoneNR#Name	Add a phone number, username and assign it to user "x". "x" is the phone number's line on the list. The phone number must start with a "+" symbol and international country code. The phone number and username must be separated by a # symbol. E.g.: <b>SETN 123456 PHONE5=+37061234567#JOHN</b>
	PhoneX=DEL	Delete user's phone number and name from the system. E.g.: <i>SETN 123456 PHONE5=DEL</i>
UUSD	*Uusd code#	Send a UUSD code to the operator. E.g.: <b>UUSD 123456 *245#</b>
CONNECT	Protegus=ON	Connect to Protegus cloud service. E.g.: CONNECT 123456 PROTEGUS=ON
	Protegus=OFF	Disconnect from Protegus cloud service. E.g.: CONNECT 123456 PROTEGUS=OFF
	Code=123456	Protegus cloud service code. E.g.: CONNECT 123456 CODE=123456
	IP=0.0.0.0:8000	Specify the main server's connection channel's TCP IP and Port. E.g.: <i>CONNECT</i> 123456 IP=0.0.0.0:8000
	IP=0	For turning off the main channel.



Command	Data	Description
		E.g.: CONNECT 123456 IP=0
	ENC=123456	TRK encryption key. E.g.: CONNECT 123456 ENC=123456
	APN=Internet	APN name. E.g.: CONNECT 123456 APN=INTERNET
	USER=user	APN user. E.g.: CONNECT 123456 USER=User
	PSW=password	APN password. E.g.: CONNECT 123456 PSW=Password

# 4.3 Control PGM outputs using phone calls

Note: If no users have been added to the system, the first one to call the *G17F* will become the system administrator and will be the only one who can control the *G17F* using phone calls and SMS commands.
 If you want to allow additional users to control the system using phone calls, add them with *TrikdisConfig* or give them the rights using SMS commands.

Perform these actions if you want to control a PGM output remotely:

- The user must be allowed to control outputs OUT and the output OUT must have type "Remote control" assigned (using *TrikdisConfig*).
- Call the number of the *G17F*'s SIM card. The *G17F* will answer the call and you can dial commands using the phone's keypad (see the table).

#### Mobile phone keyboard command list

Keyboard buttons	Function	Description				
[output no]*[state no]#	Control	Controls the specified PGM output.				
	selected output	State:				
	001	[0] – output turned off;				
		[1] – output turned on;				
		[2] – turned off for pulse time;				
		[3] – turned on for pulse time;				
		(pulse time is specified in the <b>TrikdisConfig</b> software, "PGM" table)				
		[*] – this symbol shows the end of the command.				
		E.g. (turn on output 1): <b>1*1#</b>				
		E.g. (turn off output 1): <i>1*0#</i>				
		E.g. (turn on output 2 for <b>Pulse time</b> specified in the <i>TrikdisConfig</i> "PGM" table): <b>2*3#</b>				
#	Retry entering the command	If you made a mistake while entering the command, press # on the phone's keyboard and enter the command again.				



# 5 Description of *TrikdisConfig* windows

# 5.1 Description of TrikdisConfig status bar

Once the *G17F* is connected, *TrikdisConfig* will display information about the connected device in its status bar.

IMEI/Unique ID: 865789026744039							
Status: Ready	Device: G17E 2310	SN-00002	RI+ 1.02	FW-107	HW-	State LISB	Role: Administrator

Name	Description	
Unique ID	Device's IMEI number	
Status	Operational state	
Device	Device type (must show G17F)	
SN	Device's serial number	
BL	Bootloader version	
FW	Device's firmware version	
HW	Device's hardware version	
State	Type of connection with the program (USB or remote)	
Role	Access level (shown after access code is approved)	

When the **Read [F4]** button is clicked, the program will read and show settings currently saved on the *G17F*. With *TrikdisConfig*, set the required parameters using the following program window descriptions.



# 5.2 "System Options" window

# "System general" tab

🕫 TrikdisConfig 1.66.9 G17F_2310				-		×
🗘 Program 🔑 Action	🕮 About					
System Options Reporting to CMS Users & Reporting	Read [F4] Write [F5] System general Access General	Open [F8] Save	e [F9] SIM	Disconnect		
Modules Zones PGM System events Events Log Firmware	Object ID Object name Test period Time synchronization Clear Events after reset SMS language Suspend event reporting when 2 :	0001 G17F 1 day(-s) 0 h GSM modem • V English • same events per 10 s	SIM card PIN APN Login Password	1234 internet		
Remember password Show passwords Default settings Restore IMEI/Unique ID: 865789026744039	Restore event reporting after Low power voltage	1 min 24 volts *				
Status: Ready	Device: G17F_2310 SN:000	0002 BL: 1.02 FI	W:1.07 HW:	State USB Role	Administra	ator

## "General" settings group

- **Object ID** if events are going to be sent to the CMS, enter the Object ID (4-symbol hexadecimal number, 0-9, A-F) given by the CMS.
- **Object name** the name given to the object that will be used in SMS messages sent to the user.
- **Test period** when the box is ticked, "Test" messages will be sent every set period.
- **Time synchronization** choose a server to synchronize time with. If you choose "*IP server*", time will be synchronized with the IP receiver's time, if you choose "*GSM modem*", time will be synchronized with the GSM service provider's server time.
- Clear Events after reset all unsent event messages will be deleted upon reset.
- **SMS language** set the preferred language and the specific symbols of that language will be used in SMS messages.
- You can **Suspend event reporting when ...** a number of **same events per ... s** happen.
- **Restore event reporting after ...** set the time after which suspending of event reporting will be cancelled. The time can be anywhere from 0 to 999 minutes.
- Low power voltage specify the power supply voltage (12 V or 24 V) that will be used for forming messages about insufficient power supply voltage.

#### "SIM" settings group

- Enter the SIM card PIN code.
- **APN** network service provider's mobile internet access point name. You must enter the APN if event messages will have to be sent to **Protegus** app or to the CMS via GPRS.
- If required by the GPRS network service provider, enter the APN user name and password in the fields **Login** and **Password**.



#### "Access" tab

TrikdisConfig 1.66.9 G17F_23	10				- 🗆	×
🍄 Program 🔗 Action	🕮 About					
System Options Reporting to CMS	Read [F4] Write [F5] System general Access	Oper	n [F8] Save [F9]	Disconnect		
Users & Reporting	Access codes		Installer permissions			
Modules	Administrator Code	123456	Object ID			
PGM	Installer Code	654321	Area Settings	Editable -		
System events Events Log			Menu 'Users & Reporting'	Editable -		
Firmware			Menu 'Modules' Menu 'Zones'	Editable -		
			Menu 'PGM'	Editable -		
Remember password			Menu 'Reporting to CMS'	Editable *		
Show passwords			Menu 'System events'	Editable -		
Nestore Nestore				Editable Visible		
IMEI/Unique ID: 865789026744039				Hidden		
Status: Ready	Device: G17F_2310	SN: 000002 B	L: 1.02 FW:1.07 HW:	State USB	Role: Admin	nistrator

# Settings group "Access codes"

- Administrator Code gives full access to configuration functions (default code 123456).
- **SMS password** password for remote control and programming via SMS messages (default code 123456).
- Installer Code gives limited access to changing the communicator's configuration (default code 654321).

# Settings group "Installer permissions"

The administrator can set which parameters can be changed by the installer.

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# 5.3 "Reporting to CMS" window

📫 TrikdisConfig 1.66.9 G17F_2310	e e e e e e e e e e e e e e e e e e e						- 0	×
🔂 Program 🔗 Action	DAbout							
	Read [F4] Write	[F5]	Open [F8]	Save [F9]		Disconne	ct	
System Options	Primary channel			Settings				
Reporting to CMS	Communication type	TCP/IP *		Return to Primary after		5	min	
Users & Reporting	Domain or IP	0.0.0.0		IP Ping period	$\checkmark$	60	s	
Modules	Port	0		SMS Ping period	$\checkmark$	10	min	
Zones	Protocol	TRK *		Backup reporting after		3	attempts	
PGM	Phone number	(		DNS1		8.8.8.8		
System events	Frome Humber	123456	_	DNS2		8.8.4.4		
Events Log	Encryption Key	120100	_	Object ID in SIA DC-09		0001		
Eirmwara				SIA DC-09 receiver No.		1		
Filliware	Backup channel			SIA DC-09 line No.		1		
	Communication type	TCP/IP *					_	
	Domain or IP	0.0.0.0		Backup channel 2				
Remember password	Port	0		Phone number				
Show passwords	Protocol	TRK						J
Default settings Restore	Phone number	(						
	Franchise Key	123456	_					
110400-000-000 A1140	Encryption Key	120400						
IMEI/Unique ID: 865789026744039								
Status: Ready	Device: G17F_	2310 SN: 000002	BL: 1.02	FW:1.07 HW:		State USB	Role: Administ	rator

The communicator sends messages to the Central Monitoring Station using internet (IP) or SMS messages. You can assign a backup channel to the primary channel. It will be used when connection via the primary channel is lost.

Messages sent to the Central Monitoring Station are encoded and password protected. To receive messages and forward them to monitoring software, a TRIKDIS receiver is required:

- For IP messages receiving program IPcom Windows/Linux, hardware IP/SMS receiver RL14 or multichannel receiver RM14.
- For SMS messages hardware IP/SMS receiver RL14, multi-channel receiver RM14 or SMS receiver GM14.

Connection via SMS messages is extremely useful for the backup channel, because it works even when internet connectivity in the operator's network is disrupted. Using SMS as the primary channel is not recommended.

#### Settings group "Primary channel"

- **Communication type** choose a method for connecting to the Central Monitoring Station's receiver.
- Domain or IP enter the receiver's domain or IP address.
- **Port** enter the receiver's network port number.
- **Protocol** TRIKDIS IP receivers can receive messages sent in the **TRK** protocol, and **SIA DC-09** protocols are used for IP receivers capable of receiving event messages sent in SIA DC-09 protocols.
- **Phone number** (only for SMS messages) enter the phone number of a TRIKDIS SMS receiver. The phone number must start with the country code (e.g.: 370xxxxxxx).
- Encryption Key 6-digit message encryption key. The communicator's encryption key must match the receiver's encryption key.



#### Settings group "Backup channel"

Enable backup channel mode to allow messages to be sent using the backup channel if the connectivity is disrupted. Configure the backup channel using the same settings as described above.

#### Settings group "Settings"

- **Return to Primary after** time period after which the *G17F* will attempt to regain connection with the Primary channel.
- IP PING period sending period of internal PING signals for checking connectivity. These messages
  are sent only via IP channel. The receiver does not forward these signals to the monitoring software
  and thus does not overload the software. The monitoring software is only notified when the receiver
  does not receive a PING message from the device for a preset period of time.

By default, the receiver will send a "*Connection lost*" message to the monitoring software after a time period that is three times longer than the communicator's PING sending period. E.g. if the IP PING period is 3 minutes, the receiver will send a lost connection message if it does not receive a PING for 9 minutes.

PING messages also keep an active connection session between the device and the receiver. An active session is required to configure and control the communicator remotely. We recommend setting the PING period to be no longer than 5 minutes.

- Backup reporting after specify the number of unsuccessful attempts to send a message using the Primary channel. If the message fails to send after the specified number of attempts, the device will transmit using the Backup channel.
- DNS1, DNS2 (Domain Name System) server that specifies the domain IP address. It is used when a domain is specified in the connectivity channel's Domain or IP field (instead of an IP address). Default setting Google DNS server addresses.

The following settings are only shown when **DC-09\_2007** or **DC-09\_2012** protocol is chosen in the connectivity channel's **Protocol** field.

- **Object ID in SIA DC-09** <u>enter the object number. If you chose the DC-09 protocol, the object number</u> <u>entered in this field will be used</u>. You can enter the 3-16 symbol hexadecimal number given by the central monitoring station.
- SIA DC-09 receiver No. enter the receiver's number.
- **SIA DC-09 line No.** enter the line number in the receiver.

#### Settings group "Backup channel 2"

• **Phone number** - (only for SMS messages) enter the phone number of a TRIKDIS SMS receiver. The phone number must start with the country code (e.g.: 370xxxxxxx).



# 5.4 "Users & Reporting" window

# "Users" tab

frikdisConfig 1.66.9 G17F_2310			- 0	$\times$
🛱 Program 🔗 Action	D About			
	Read [F4] Write [F5] Open [F8] Save [F9]	Disconnect		
System Options	Users SMS answer texts SMS for Control panel			
Reporting to CMS				
Users & Reporting	Users & Reporting to User			
Modules	ID Name Tel number PGMACK FWD			
Zones	1 Peter +37060123456 🗹 🗹			
PGM	2 User 2			
Surtem quents				
System events	4 05er4			
Events Log	6 User 6			
Firmware	7 User 7			
	8 User 8			
Remember password	PROTEGUS Cloud			
Show passwords	Enable connection			
Default settings Restore	Parallel reporting			
	PROTEGUS Cloud access Code 123456			
IMEI/Unique ID:				
865789026744039				
Status: Ready	Device: G17F_2310 SN: 000002 BL: 1.02 FW: 1.07 HW: St	tate USB	Role: Admi	nistrator

#### Settings group "Users & Reporting to User"

- **ID** user's number on the list.
- Name user's name. These names will be used in event SMS messages.
- **Tel number** the user's phone number that will receive SMS messages. Numbers must be entered with the international code.
- **PGM** if the box is ticked, the user can remotely control outputs.
- ACK if the box is ticked, the G17F will send SMS messages with SMS answer text to the user after every received SMS command.
- **FWD** if the box is ticked, SMS messages received from non-system users will be forwarded to the user (e.g. SIM card account balance, random promotional messages, etc.).

#### Settings group "PROTEGUS Cloud"

- Enable connection enable *Protegus* service to allow the *G17F* to exchange data with the *Protegus* app and remotely configure the device using *TrikdisConfig*.
- Parallel reporting enable parallel message sending via the Primary channel and to Protegus.
- **PROTEGUS Cloud access code** 6-digit code for logging in to *Protegus* (default code 123456).



#### "SMS answer texts" tab

TrikdisConfig 1.66.9 G17F_23	10		-	$\times$
🔅 Program 🖉 Action	About			
	Read [F4] Write	[F5] Open [F8] Save [F9]	Disconnect	
System Options	Users SMS answer t	exts SMS for Control panel		
Reporting to CMS	SMS answer texts			
Users & Reporting				
Modules	Answer	SMS text		
	Command done	Command done		
Zones	Wrong password	Wrong password		
PGM	Wrong data	Wrong data		
System events	Wrong command	Wrong command		
Events Log				

## Settings group "SMS answer texts"

• Edit the answer texts to control commands sent via SMS messages in the column SMS text.

#### "SMS for Control panel" tab

Program Action		out		_					_	
a riogram	Dest	1 117 43	W-4- (FE1		Oner	-01	Course (FO)	Discourse		
	Kead	] [F4]	Write [Fb]		Upen [	-6]	2ave [14]	Disconne	ect	
System Options	Use	ers SMS	answer texts SMS for Co	ontrol pa	nel					
Reporting to CMS	1			_	_					
Users & Reporting			Thurst Second	User	1	-				
Modulas	Zn	CID	SMS text	SMS	Call					
viodules	1	E110	Fire alarm	~	~					
Zones	2	E118	Fire pre-alarm state	~						
PGM	3	E380	Detector fault	~						
System events	4	E323	Line fault	~						
bystem events	5	E301	AC loss	~	4					
vents Log	6	E302	Low battery	~		E				
irmware	7	E311	Missing battery	~						
	8	E305	Panel reset	~						
	9	E372	Zone short	~						
	10	E371	Zone open	~						
	11	E574	Zone disabled	$\checkmark$		1				
emember password	12	R574	Zone enabled	~						
how passwords	13	E604	Test	~						
efault settings Restore	14	E000								
	15	E000								
	16	E000								
/FI/Unique ID:	17	E000								
865789026744039	18	E000								
			2	1.00	1 1			 		

- **Zn** event's number on the list.
- **CID** event's Contact ID code.
- **SMS text** event's SMS message text.
- User choose how to inform users about every event SMS message and/or call.



# 5.5 "Modules" window

TrikdisConfig 1.66.9 G17F_231	0				-		×
🛱 Program 🖉 Action	About						
	Read [F	[4] Write [F5]	Open [F8]	Save [F9]	Disconnect		
System Options	RS485 m	nodules					
Reporting to CMS	ID	Module	Serial No.	Name	Firmware version		
Users & Reporting	1	Inim Smartline	v	Expander ID1			
osers a reporting	2	Not available		Expander ID2			
Modules	3	iO expander		Expander ID3			
Zones	4	iO-WL radio expander		Expander ID4			
PGM	5	iO-8 expander		Expander ID5			
1 GM	6	Inim Smartline		Expander ID6		-	
System events	7	Not available		Expander ID7			
Events Log	8	Not available		Expander ID8			
Firmware							

#### Settings group "RS485 modules"

- ID module's number on the list.
- Module choose the module being used (modules *iO*, *iO-WL*, *iO-8*, *Inim Smartline*) from the module list.
- Serial No. mandatory 6-digit number that can be found on the module's casing and its packaging.
- Name you can give the module a name.
- Firmware version the firmware version will be shown when the G17F finds the connected module.

# 5.6 "Zones" window

#### "Zones settings" tab

frikdisConfig 1.66.9 G17F_231	0									-	×
🔅 Program 🔗 Action	About	t									
	Read [F	F4] Write [F5]		Open [F8]	Save	[F9]			Disconnec	t	
System Options	Zones	settings SMS & Cal	reporting								
Reporting to CMS											
Users & Reporting	Zone N	No Input	Definition	Туре	ARC	Prot.	Delay	CID Code			
	1	G17F 1 IN	24_hours	EOL	-	-	400	133			
Modules	2	G17F 2 IN	24_hours	EOL	1	-	400	133			
Zones	3	Disable	24_hours	EOL	1	1	400	133			
PGM	4	G17F 4 I/O	24 hours	EOL	1	1	400	133			
	5	G17F 5 I/O	24_hours	EOL	1	1	400	133			
System events	6	G17F 6 IN	24 hours	FOL	1	-	400	133			
Events Log		L'estation de la		NO					_		
Firmware				NC							
				EOL							

- Zone No zone's number on the list.
- Input choose which G17F or expansion module input IN to assign to a zone.
- **Definition** all zones are assigned the **24 hours** definition. If this zone is violated, a message about the event is sent immediately.
- **Type** choose the type of circuit connected to the zone input IN from a list: NC normally closed contact, NO normally open contact, EOL with a 10 kΩ resistor at the end of the circuit.
- ARC if the box is ticked, messages about zone events will be sent to the alarm receiving centre.
- **Prot**. if the box is ticked, notifications about zone events will be sent to **Protegus** app.
- **Delay** IN input zone reaction time in milliseconds.



• CID Code – event's Contact ID code.

# "SMS & Call reporting" tab

# TrikdisConfig 1.66.9 G17F_2310	0			inc.	×
😫 Program 🖉 Action	Mabout				
	Read [F4]	Write [F5]	Open [F8] Save [F9]	Disconnect	
System Options	Zones settin	os SMS & Call reporting			
Reporting to CMS					
Users & Reporting	70	SMS text	User 1 SMS_Call		
Modules		Check/uncheck all rows:			
Zones	1 Event	Zone 1 Alarm			
PGM	1 Restore	Zone 1 Restore			
System events	2 Event	Zone 2 Alarm			
System events	2 Restore	Zone 2 Restore			
Events Log	4 Event	Zone 4 Alarm			
Firmware	4 Restore	Zone 4 Restore			
	5 Event	Zone 5 Alarm			
	5 Restore	Zone 5 Restore			
	6 Event	Zone 6 Alarm			
Remember password	6 Restore	Zone 6 Restore			

This window will only be shown if there is at least one User added in the "Users & Reporting" window.

- **Zn** zone number with an event identification word. Can be "*Event*" or "*Restore*".
- SMS text description of the zone event that will be included in SMS event messages sent to users.
- SMS/Call choose how to inform users about every zone event via SMS message and/or call.

# 5.7 "PGM" window

#### "Outputs" tab

frikdisConfig 1.66.9 G17F_23	10						-	×
🔅 Program 🎤 Action	🕮 About							
	Read [F4]	Write [F5]	Open [F8] Sa	ave [F9]			Disconnect	
System Options	Outputs	SMS & Call reporting						
Reporting to CMS		Sino & conteporting						
Users & Reporting	PGM No	PGM output	Output definition	Pulse Time, s	ARC	Prot.		
obero de riciportang	1	G17F 3 I/O	Inim dialer *	20		-		
Modules	2	Disable	Remote Control	20		-		
Zones	3	Disable	Inim dialer	20		~		
PGM								

- **PGM No** PGM output's number on the list.
- **PGM output** assign outputs OUT of the *G17F* or of an external device to a PGM.
- **Output definition** select operational mode of an output OUT.
- Pulse time, s assign a desired OUT turn on duration from 0 to 9999 seconds.
- **Prot**. if the box is ticked, output event notifications will be sent to **Protegus** app.



## "SMS & Call reporting" tab

f TrikdisConfig 1.66.9 G17F_231	0		- 🗆 X
🔅 Program 🥜 Action	🕮 About		
	Read [F4] Write [F5]	Open [F8] Save [F9]	Disconnect
System Options	Outputs SMS & Call reporting		
Reporting to CMS		·	
Users & Reporting		User 1	
Modules	Check/uncheck all ro	SMS Call	
Zones	1 Event OUT1 ON		
PGM	1 Restore OUT1 OFF		

- **PGM** the number of output OUT and turn on/off event type ("Event" output OUT turn on event and "Restore" OUT turn off event).
- SMS text output OUT turn on/off event name that will be included in the event's SMS message.
- User / SMS and Call choose which users to inform via SMS message and/or call when an output OUT is turned on/off.

# 5.8 "System events" window

#### "Events" tab

TrikdisConfig 1.66.9 G17F_2310							-	
🔅 Program 🖉 Action	About							
	Read [F4] Write [F5]		Open [F	F8]	Save [F9]		Disconnect	
System Options	Events SMS & Call reporting							
Reporting to CMS								
Users & Reporting	ID Event name	Enable	ARC	Prot.	CID Code	SMS event text	SMS restore text	
obers & hepotting	1 Low power	~	~	~	302	Low power	Power restore	
Modules	2 Periodic test	1	-	~	602	Periodic test		
Zones	3 RS485 fault	<ul> <li>Image: A start of the start of</li></ul>	-	~	333	RS485 device fault	RS485 device restore	e
PGM	4 GSM jamming	<ul> <li>Image: A start of the start of</li></ul>	-	~	344	GSM jamming	NO GSM jamming	
System events	5 Start IP event	1	1	•	700	1		

- **ID** event's number on the list.
- Event name event name.
- Enable enable event recognition.
- ARC messages about chosen events will be sent to ARC.
- Prot. notifications about chosen events will be sent to Protegus app.
- CID Code event's Contact ID code.
- SMS event text text of the event's SMS message.
- SMS restore text text of the event's restore SMS message.



# "SMS & Call reporting" tab

frikdisConfig 1.66.9 G17F_2310				_	×
🔅 Program 🎤 Action	About				
1	Read [F4]	Write [F5]	Open [F8] Save [F9]	Disconnect	
System Options	Events SI	MS & Call reporting			
Reporting to CMS			line t		
Users & Reporting	ID	Event SMS text	SMS_Call		
Modules		Check/uncheck all rows:			
Zones	1 Event	Low power			
PGM	1 Restore	Power restore			
System events	2 Event	Periodic test			
System events	3 Event	RS485 device fault			
Events Log	3 Restore	RS485 device restore			
Firmware	4 Event	GSM jamming			
	4 Restore	NO GSM jamming			

- **ID** event's number on the list and identification word (*Event, Restore*).
- Event SMS text text that will be included in SMS messages about events.
- User choose how to inform users about every event vis SMS message and/or call.

# 5.9 "Events Log" window

f TrikdisConfig 1.66.9 G17F_23	10				-		×
🗱 Program 🖉 Action	M About						
	Read [F4]	Write [F5]	Oper	n [F8] Save [F9]	Disconnect		
System Options	Read Log	Clear Log					
Reporting to CMS						-	
Users & Reporting	Event No.	Time	CID	Event definition			
	839	2016-03-01 00:00:00	133:01:006	Alarm in input IN6	-		
Modules	838	2016-03-01 00:00:00	133:01:005	Alarm in input IN5			
Zones	837	2016-03-01 00:00:00	133:01:004	Alarm in input IN4			
PGM	836	2016-03-01 00:00:00	133:01:003	Alarm in input IN3			
Custom sugat	835	2016-03-01 00:00:00	133:01:002	Alarm in input IN2			
System events	834	2016-03-01 00:00:00	133:01:001	Alarm in input IN1			
Events Log	833	2016-03-01 00:00:00	302:01:000	Low Battery			
Firmware	832	2016-03-01 00:00:00	305:00:016	System start			
	831	2016-03-01 00:00:00	133:01:006	Alarm in input IN6			
	830	2016-03-01 00:00:00	133:01:005	Alarm in input IN5			

- **Read Log** button for reading the event log from the device's memory.
- **Clear Log** button for clearing the event log entries from the device's memory.
- In the table, you can find the **Event No.**, **Time**, **CID** code, **Event definition**. The events log can show up to 1000 events stored in the *G17F*'s memory.

# 5.10 Restore default settings

To restore the communicator's default settings, click the *TrikdisConfig* button Restore.

Default settings Restore							
IMEI/Unique ID: 865789026744039							
Status: Ready	Device: G17F_2310	SN:000002	BL: 1.02	FW:1.07	HW:	State USB	Role: Administrator



# 6 Setting parameters remotely

**IMPORTANT:** Remote configuration will only work when the *G17F*:

- 1. Has an inserted and activated SIM card with the PIN code entered or disabled.
- 2. Has Protegus service enabled. See 5.4 "Users & Reporting" window.
- 3. Has the power switched on ("POWER" LED must be green solid);
- 4. Is connected to a network (the "NETWORK" LED must be green solid and blink yellow).

If NETWORK is yellow solid or DATA is yellow solid, the device cannot connect to GSM and/or *Protegus*.

- 1. On your computer, launch the configuration software *TrikdisConfig*.
- 2. In the **Remote access** window, enter the communicator's *Unique ID* number. You can find this number on the back of the device and on the device's packaging.

Remote access					
	Unique ID	System Name			
Choose module			0	Configure	Control

- 3. (Optional) Enter a desired name for the communicator in the **System Name** field.
- 4. Click Configure.
- 5. In the window that opens, click **Read [F4]**. If prompted, enter the administrator or installer code.
- 6. When you are finished setting the desired parameters, click **Write [F5]**. If you are done working with *TrikdisConfig*, click **Disconnect**.

# 7 Testing the G17F GSM communicator

When configuration and installation are complete, perform a system check:

- 1) To test an input of the communicator, enable it. Check if the events were received by the Alarm Receiving Centre (ARC) and/or *Protegus* application.
- 2) To test the communicator's outputs, turn them on remotely and check their operation. Ensure that the events were received by the Alarm Receiving Centre (ARC) and/or *Protegus* application.
- 3) Perform a fire alarm test to see if the ARC receives events correctly.

# 8 Updating firmware

**Note:** After connecting the communicator to **TrikdisConfig**, the program will automatically offer to update the firmware if any updates are available. Internet connection is needed for this feature. Antivirus software, firewall or strict internet access settings can block the automatic update feature.

The communicator's firmware can also be updated or changed manually. All prior settings of the communicator remain after an update. If the firmware is installed manually, it can be changed to a newer or an older version. Perform these steps:

1. Launch TrikdisConfig.

www.trikdis.com



- 2. Connect the communicator to the computer using a USB Mini-B cable or connect to the communicator remotely.
  - If a newer version of firmware is available, the program will automatically offer to install it.
- 3. Open the *TrikdisConfig* window Firmware.

📫 TrikdisConfig 1.66.9 G17F_231	D	- 🗆 ×
😫 Program 🔗 Action	D About	
	Read [F4] Write [F5] Open [F8] Save [F9]	Disconnect
System Options	Firmware	
Reporting to CMS		
Users & Reporting		
Modules	Open firmware file	
Zones		Open firmware Update [F12]
PGM		
System events		
Events Log		
Firmware		
	0%	
Remember password		
Show passwords		
Default settings Restore		

- 4. Click the button **Open firmware** and choose the required firmware file. The newest firmware files can be downloaded from the webpage <u>www.trikdis.com.</u>
- 5. Click the **Update [F12]** button.
- 6. Wait for the update to finish.