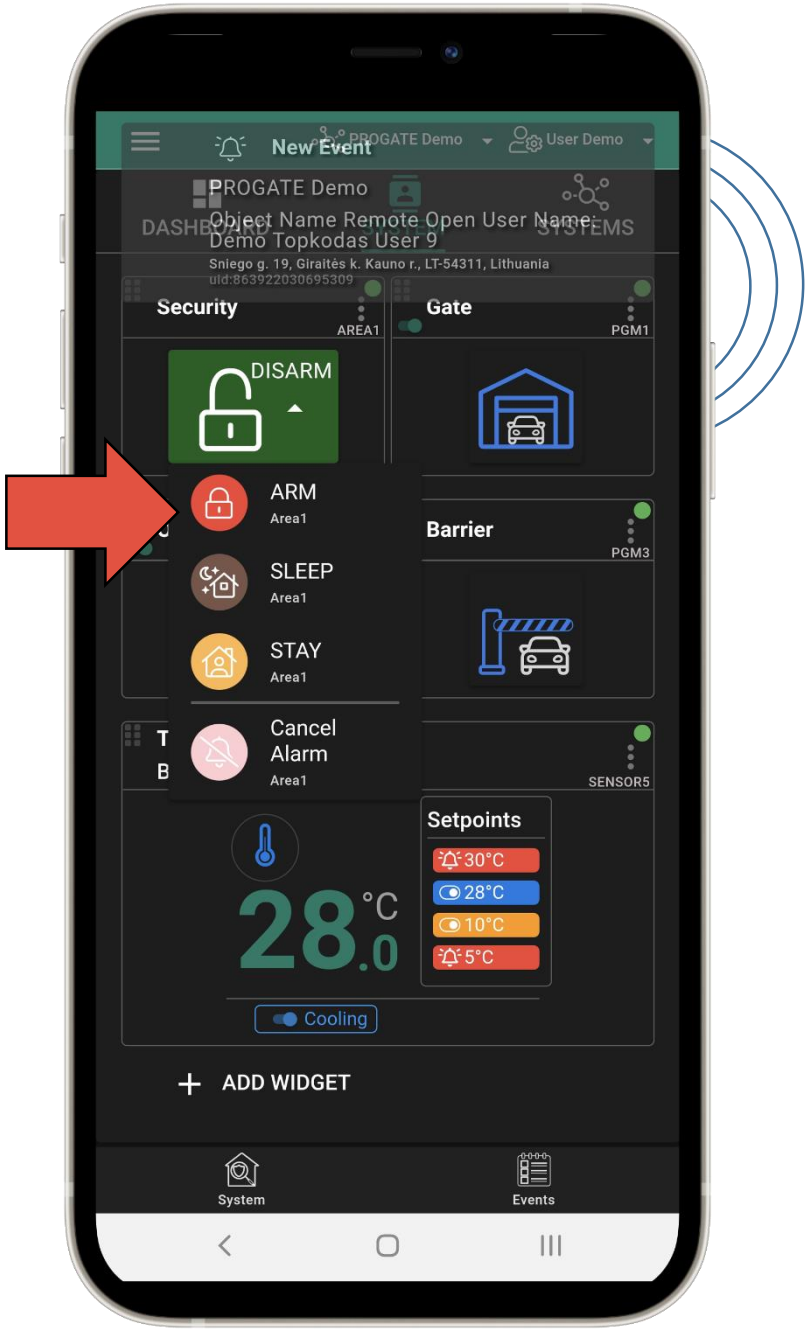
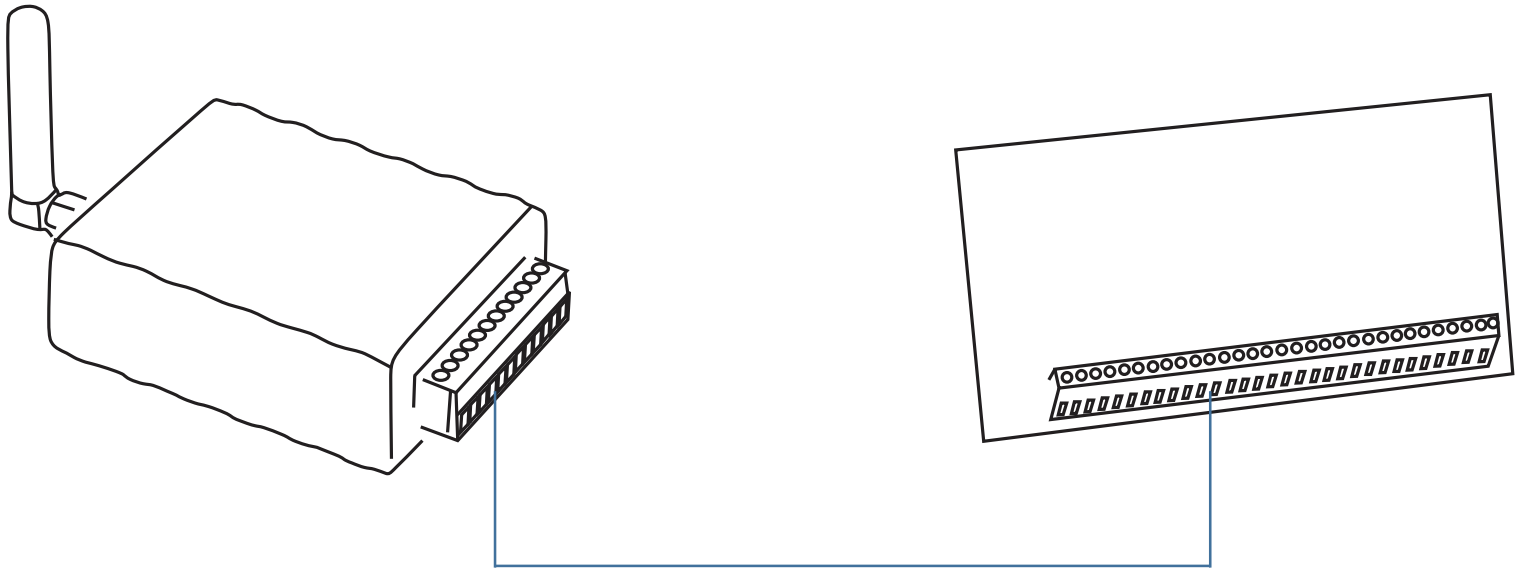
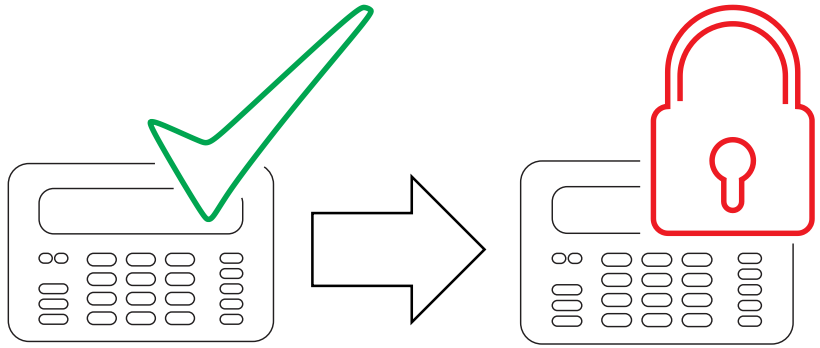
GTCOM2 and primary alarm panel synchronization

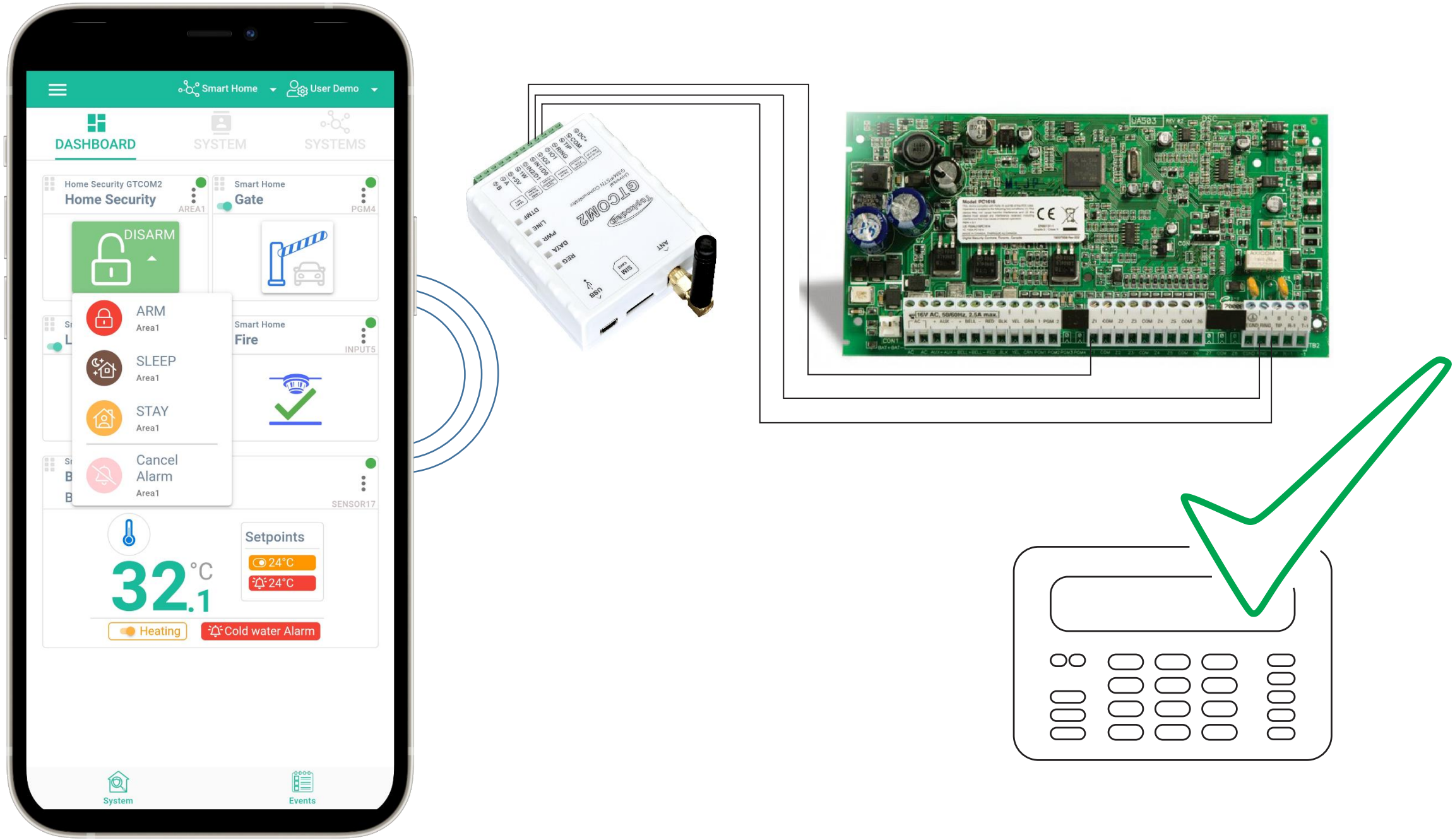
methods

NEW 2022-04-05


New Event
PROGATE Demo
User Demo
PROGATE Demo
Object Name Remote Open User Name:
Demo Topkodas User 9
Sniego g. 19, Giraitės k. Kauno r., LT-54311, Lithuania
uid:863922030695309
DASHBOARD
SYSTEMS
Security
AREA1
Gate
PGM1
DISARM
ARM
Area1
SLEEP
Area1
STAY
Area1
Cancel
Alarm
Area1
Barrier
PGM3
SENSOR5
Setpoints
30°C
28°C
10°C
5°C
28.0 °C
Cooling
ADD WIDGET
System
Events






Smart Home
User Demo
DASHBOARD
SYSTEM
SYSTEMS
Home Security GTCOM2
Home Security
AREA1
Smart Home
Gate
PGM4
DISARM
ARM
Area1
SLEEP
Area1
STAY
Area1
Cancel Alarm
Area1
Smart Home
Fire
INPUT5
SENSOR17
32.1 °C
Setpoints
24°C
24°C
Heating
Cold water Alarm
System
Events
GTCOM2

USER able to control panel via panel's keypad as well as remotely from GTCOM2 APP/WEB/SMS/Call.

- This means that the GTCOM2 APP will show the same system status as
- keypad of security panel.

GTCOM2 & primary panel status synchronization

The module can work with any central panel which has PSTN communicator and meets Ademco Contact ID data format according to SIA SIA DC-05 standard.
Also Central panel must support phone number dialing using DTMF tones.

Prepare SERA2 software

- Install SERA2 software (you will find it in https://www.topkodas.lt/)
- Help & Support > Downloads

- If you want to edit existing configuration,
- You have to read it (press “Read” in the command line)
- Edit settings
- Write edited configuration (press “Write” in the command line)

Set primary panel

Panel’s PSTN communication settings:

- Set communication enabled
- Set communicator account number 4 digits. E.g. “1234”
- Set communications Telephone. Enter the monitoring station receiver’s telephone number (you can use any number longer than 2 digits. The GTCOM2 pick up and answer when the panel calls to any phone number). Telephone number e.g. “1234” .
- Set communication dialing options to [DTMF Dialing]*
- Set Communications protocol to [DTMF Contact ID]*
- If panel has such option set [Contact ID Automatic Reporting Codes]
- Enable PSTN communication events upon your needs Open/Close/Alarm/Restore/Maintenance/Test

Set Panel PGM to monitoring ARM status in level (steady) Mode

- Activation event:[ARM Area1]
- Deactivation Event : [DISARM Area1]
- Mode: [Steady]
- NO/NC depending of GTalarm2 input keyswitch settings.
- In our example set to [NO]

Set Panel Keyswitch to Momentary (Pulse) Mode

- Zone Type : [Keyswitch Momentary] (Pulse)
- Area Assigment: [Area 1] (Set AREA you want to control)
- Keyswitch Action: [ARM/DISARM]

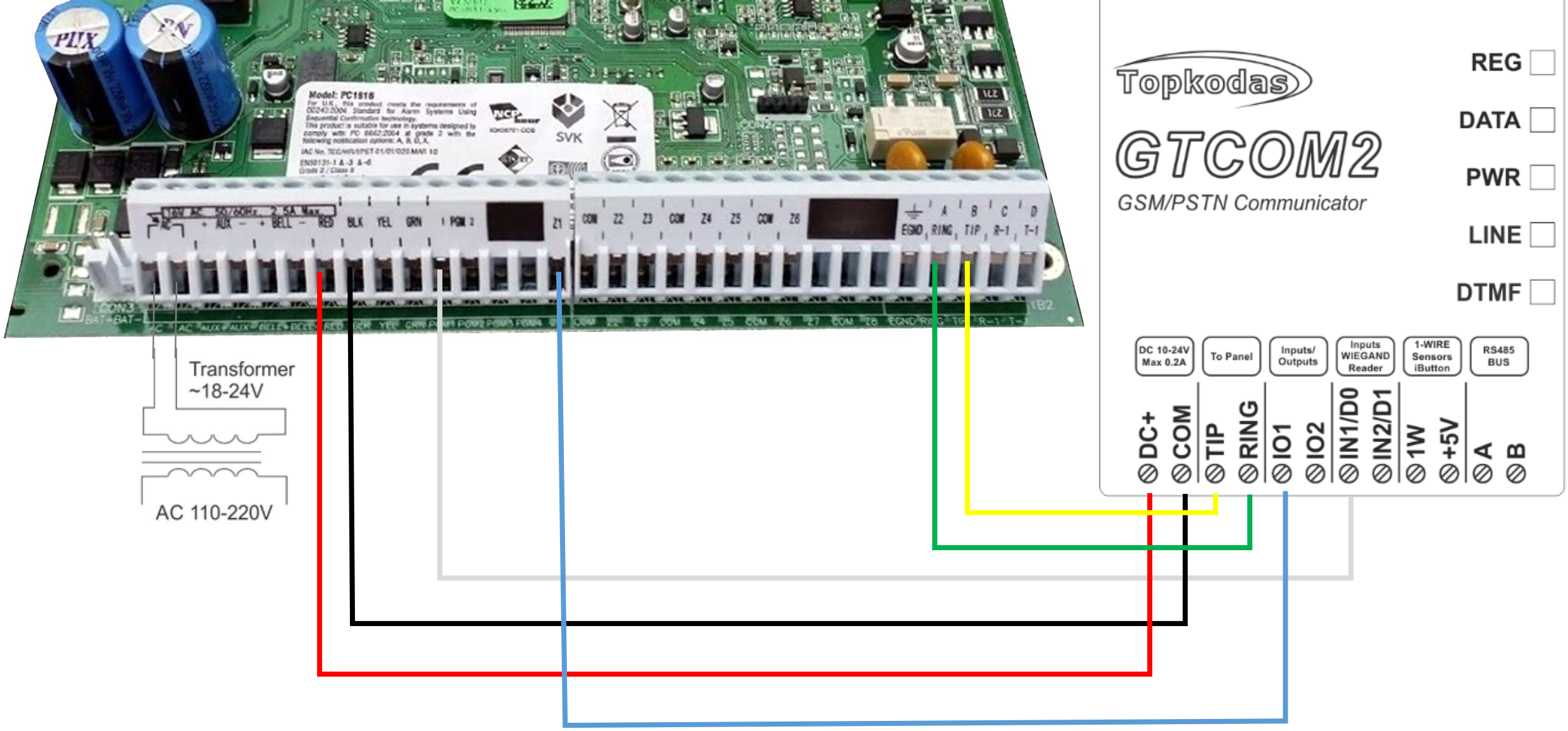
Set Panel Keyswitch to Momentary (Pulse) Mode

- Zone Type : [Keyswitch Momentary] (Pulse)
- Area Assigment: [Area 1] (Set AREA you want to control)
- Keyswitch Action: [ARM/DISARM]

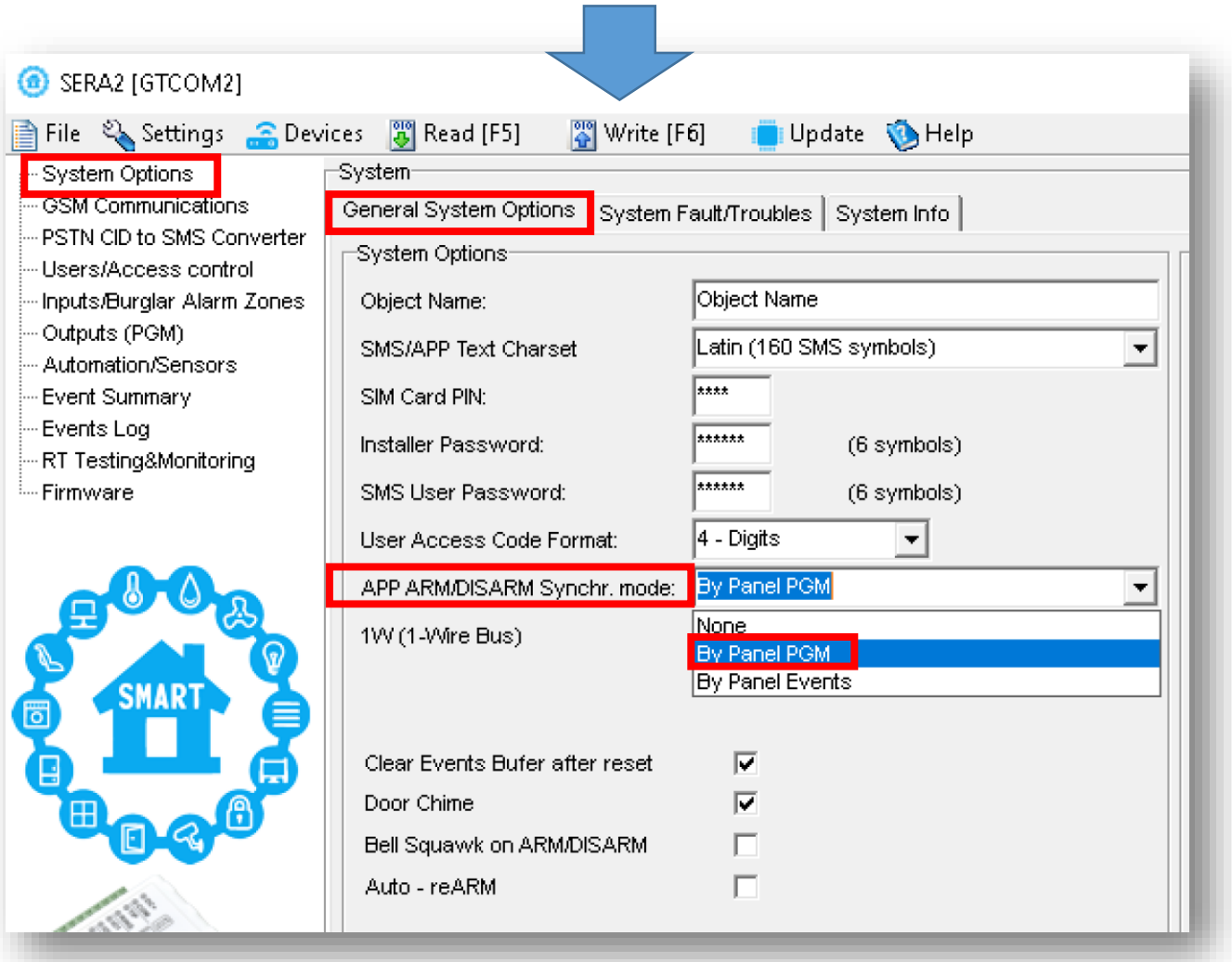
Set GTCOM2 module

GTCOM2 and primary alarm panel synchronization

by Panel’s PGM

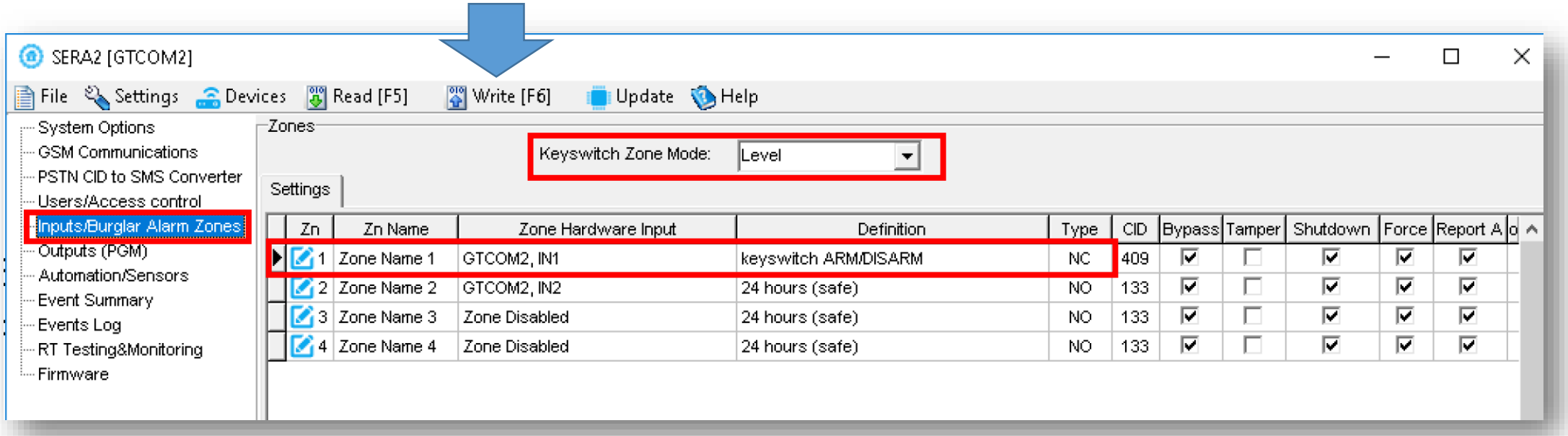

Topkodas
GTCOM2
GSM/PSTN Communicator
REG
DATA
PWR
LINE
DTMF
DC 10-24V Max 0.2A
To Panel
Inputs/ Outputs
Inputs WIEGAND Reader
1-WIRE Sensors iButton
RS485 BUS
DC+
COM
TIP
RING
IO1
IO2
IN1/D0
IN2/D1
1W
+5V
A
B
Transformer ~18-24V
AC 110-220V

- Go to SERA2> System Options> General System Options
- Set App ARM/ DISARM Synchr mode to “By Panel PGM”



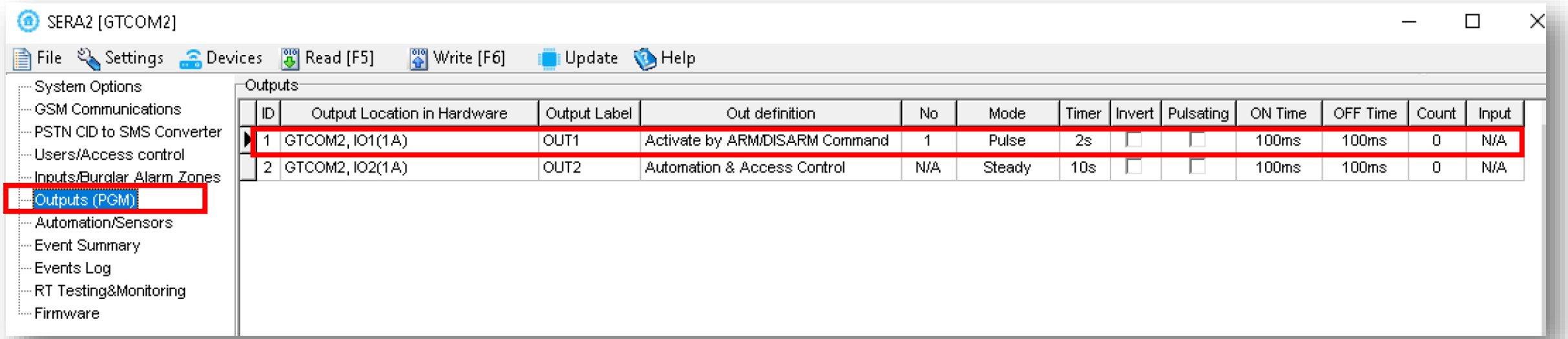
Set GTCOM2 keyswitch zone

- Go to SERA2> Inputs> Burglar Alarm Zones and set:
- Keyswitch Zone Mode : [Level] (Steady)
- Definition: [keyswitch ARM/DISARM]
- Type: [NC]
- Press “Write”



Set module PGM action on ARM/DISARM command from APP/CALL/SMS/iButon

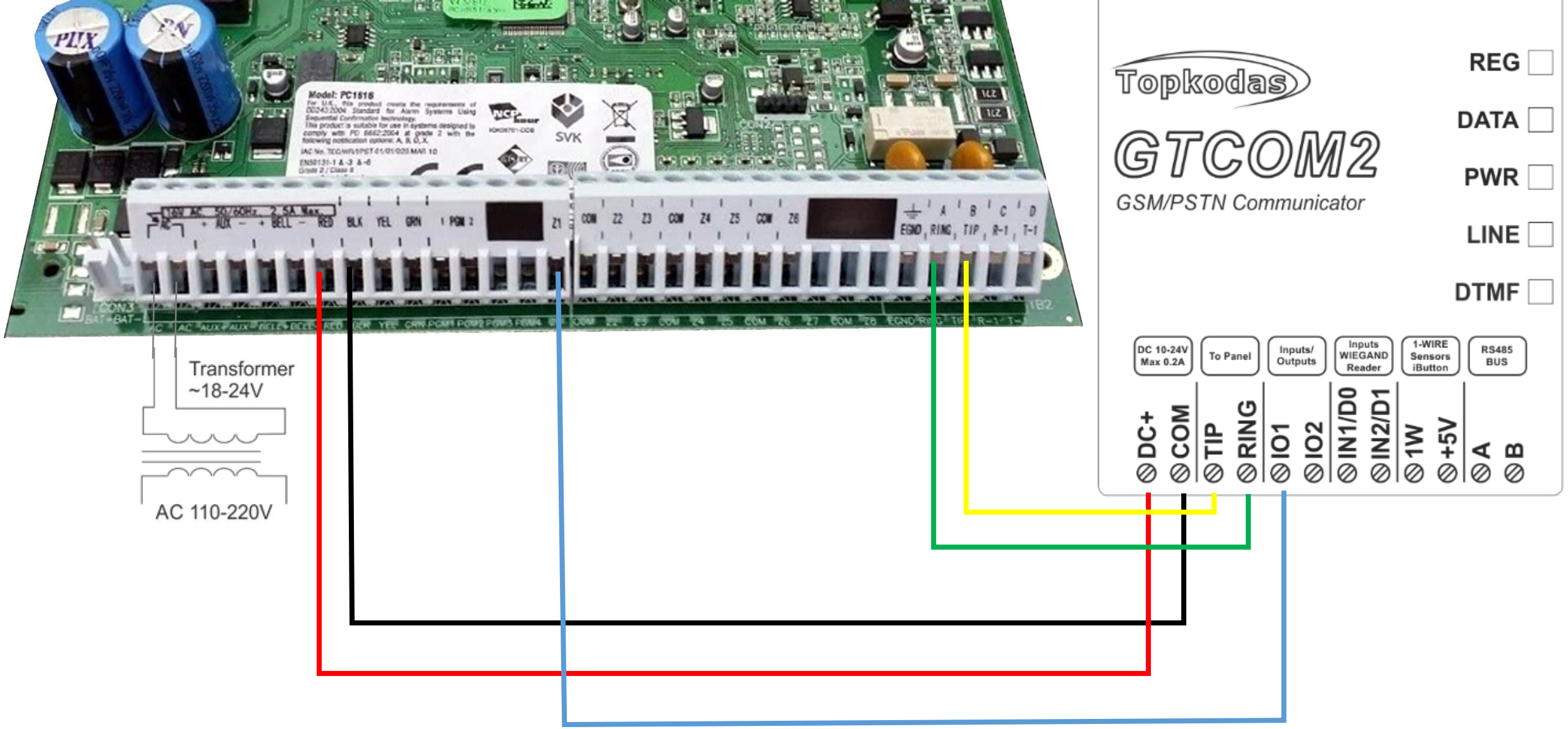
- Out Definition: [Activate by ARM/DISARM Command]
- No: [1] (this is partition number)
- Mode: [Pulse]
- Timer: [2s] (this is PGM pulse time on ARM/DISARM command)



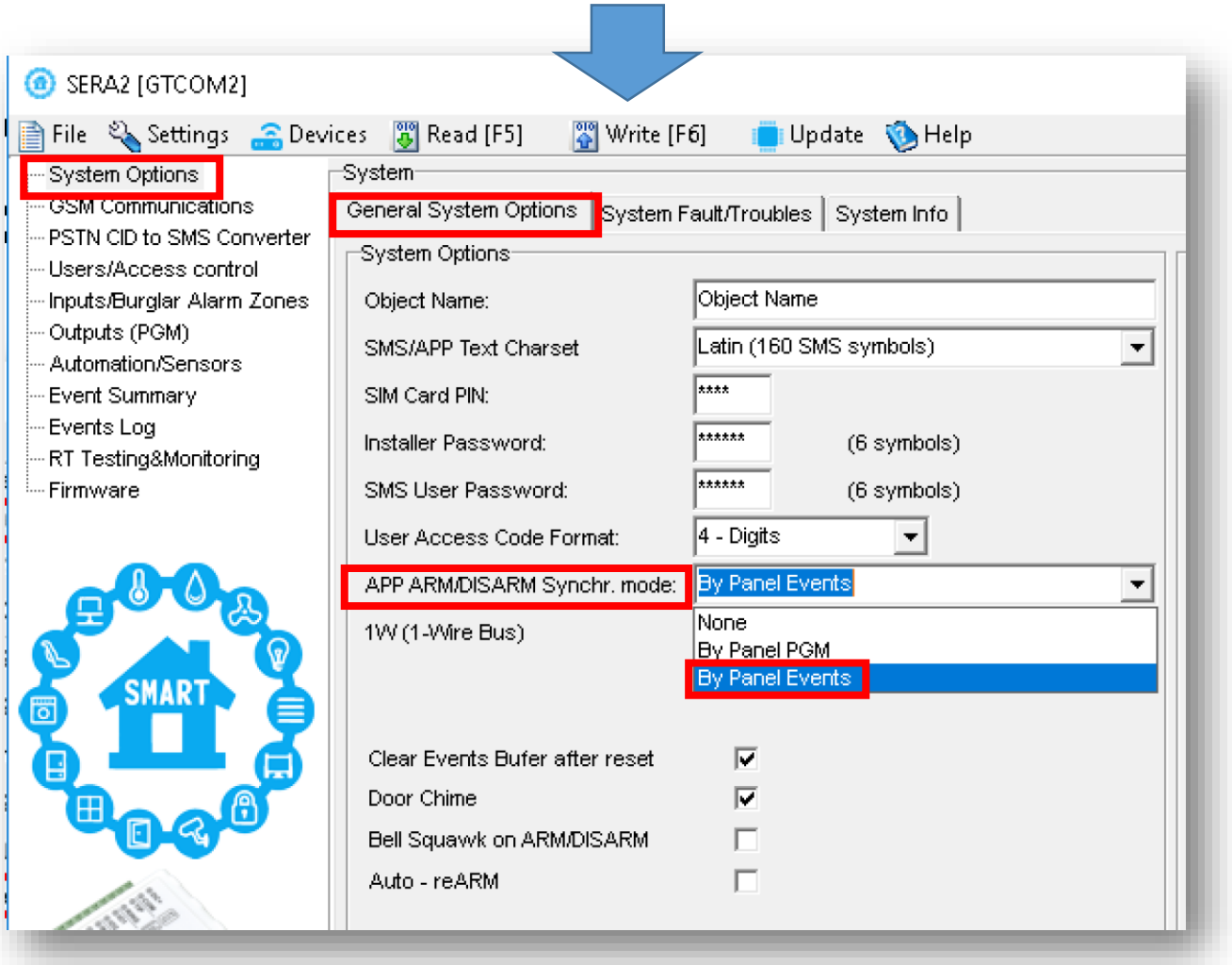
Set GTCOM2 module

GTCOM2 and primary alarm panel synchronization

by Panel's EVENTS [Var1]

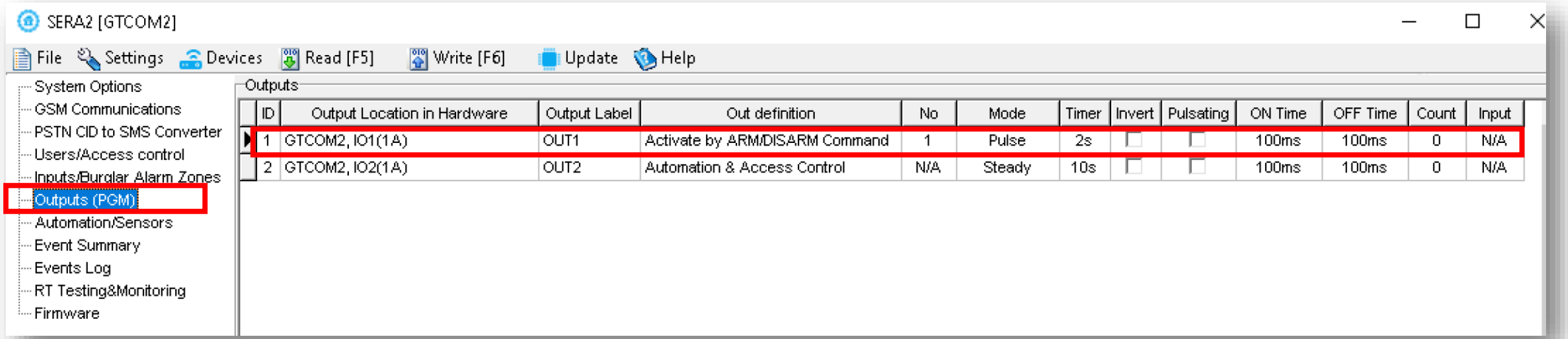

Topkodas
GTCOM2
GSM/PSTN Communicator
REG
DATA
PWR
LINE
DTMF
DC 10-24V Max 0.2A
To Panel
Inputs/ Outputs
Inputs WIEGAND Reader
1-WIRE Sensors iButton
RS485 BUS
DC+
COM
TIP
RING
IO1
IO2
IN1/D0
IN2/D1
1W
+5V
A
B
Transformer ~18-24V
AC 110-220V

- Go to SERA2> System Options> General System Options
- Set App ARM/ DISARM Synchr mode to “By Panel Events”



Set module PGM action on ARM/DISARM command from APP/CALL/SMS/iButon

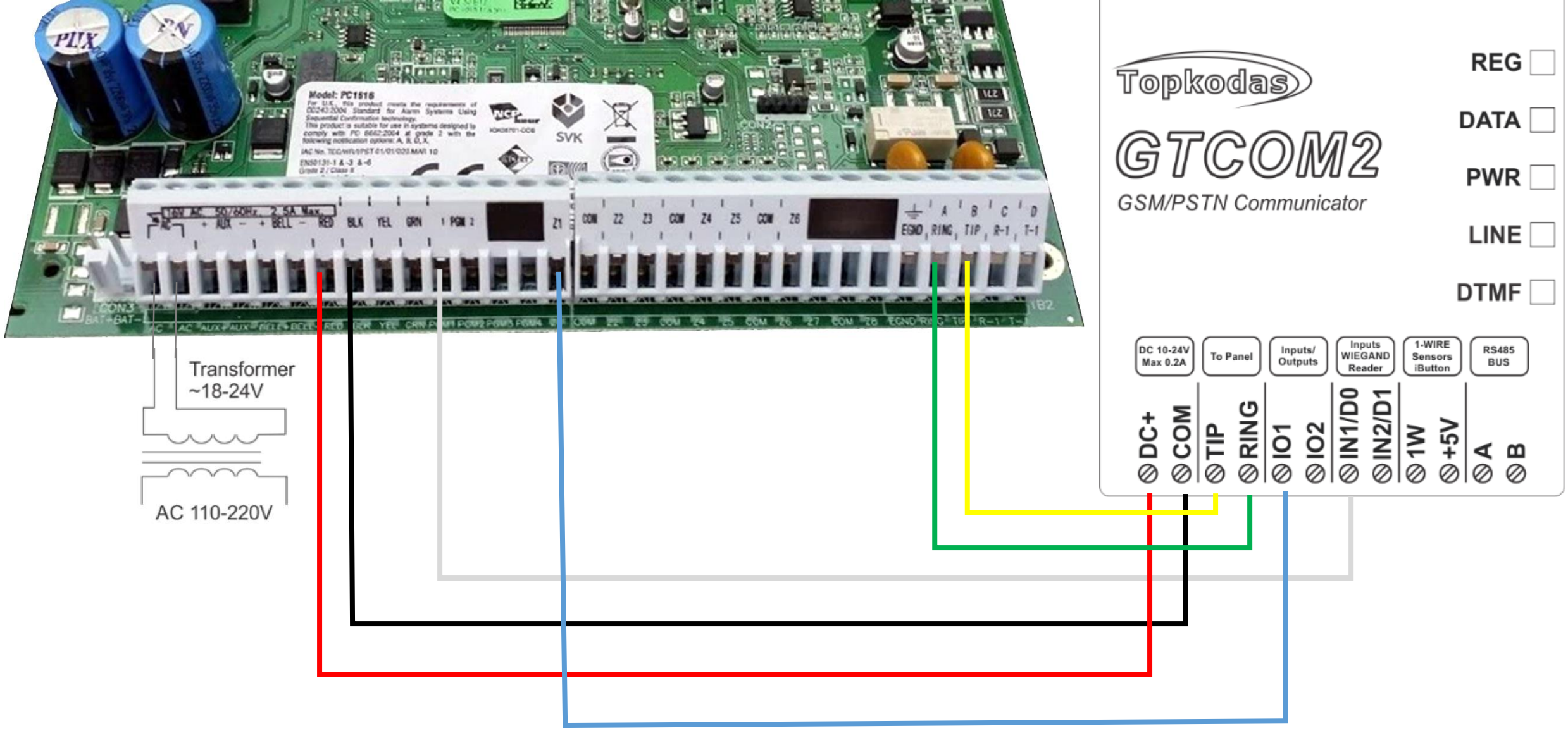
- Out Definition: [Activate by ARM/DISARM Command]
- No: [1] (this is partition number)
- Mode: [Pulse]
- Timer: [2s] (this is PGM pulse time on ARM/DISARM command)



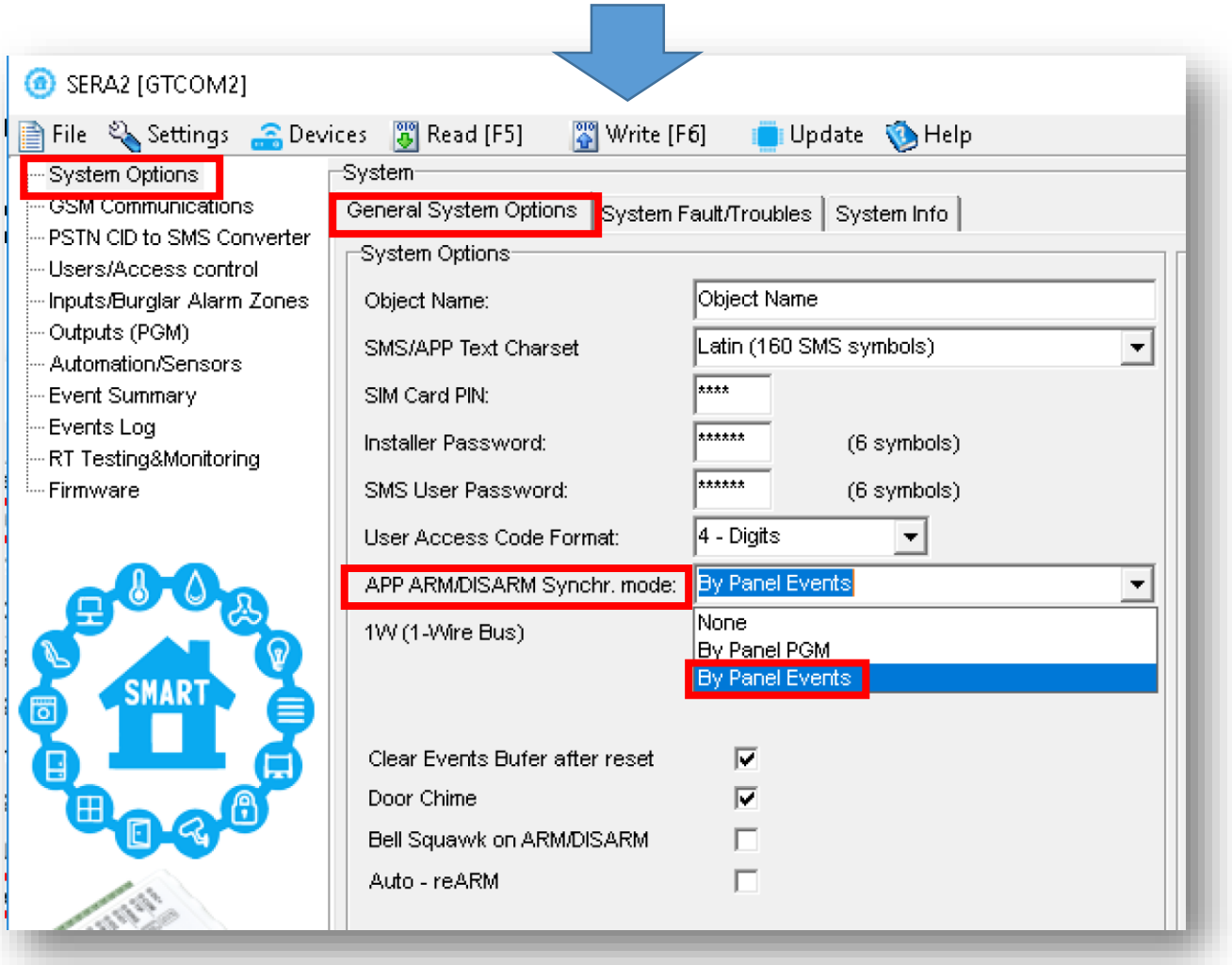
Set GTCOM2 module

GTCOM2 and primary alarm panel synchronization

by Panel's EVENTS [Var2]

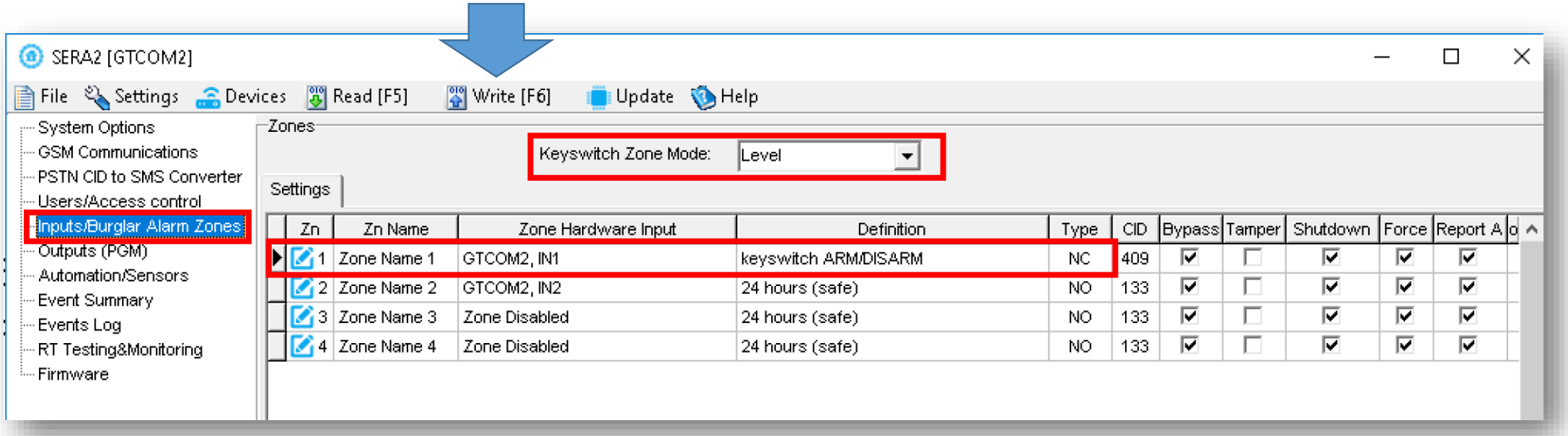

Topkodas
GTCOM2
GSM/PSTN Communicator
REG
DATA
PWR
LINE
DTMF
DC 10-24V Max 0.2A
To Panel
Inputs/ Outputs
Inputs WIEGAND Reader
1-WIRE Sensors iButton
RS485 BUS
DC+
COM
TIP
RING
IO1
IO2
IN1/D0
IN2/D1
1W
+5V
A
B
Transformer ~18-24V
AC 110-220V

- Go to SERA2> System Options> General System Options
- Set App ARM/ DISARM Synchr mode to “By Panel Events”



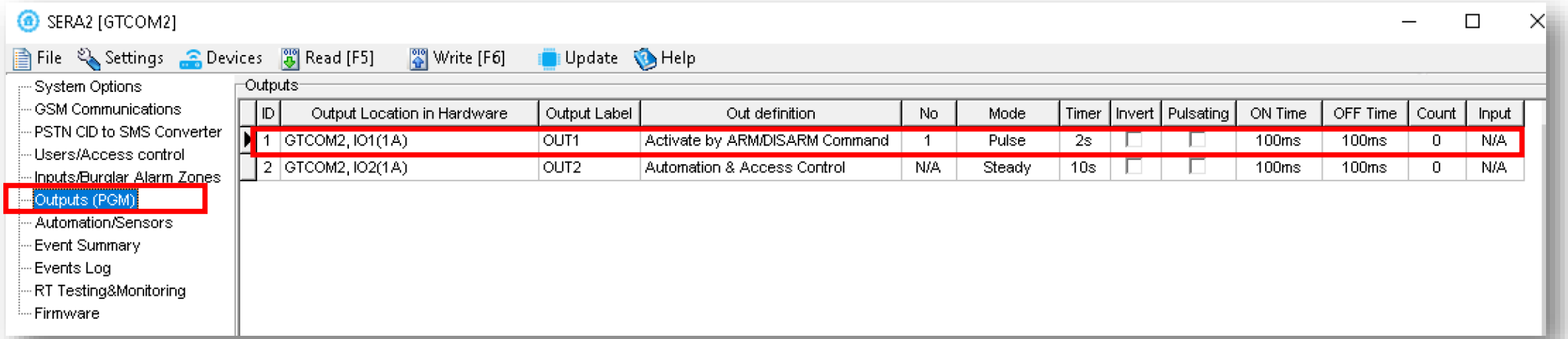
Set GTCOM2 keyswitch zone

- Go to SERA2> Inputs> Burglar Alarm Zones and set:
- Keyswitch Zone Mode : [Level] (Steady)
- Definition: [keyswitch ARM/DISARM]
- Type: [NC]
- Press “Write”



Set module PGM action on ARM/DISARM command from APP/CALL/SMS/iButon

- Out Definition: [Activate by ARM/DISARM Command]
- No: [1] (this is partition number)
- Mode: [Pulse]
- Timer: [2s] (this is PGM pulse time on ARM/DISARM command)



More information via email:

info@@topkodas.lt