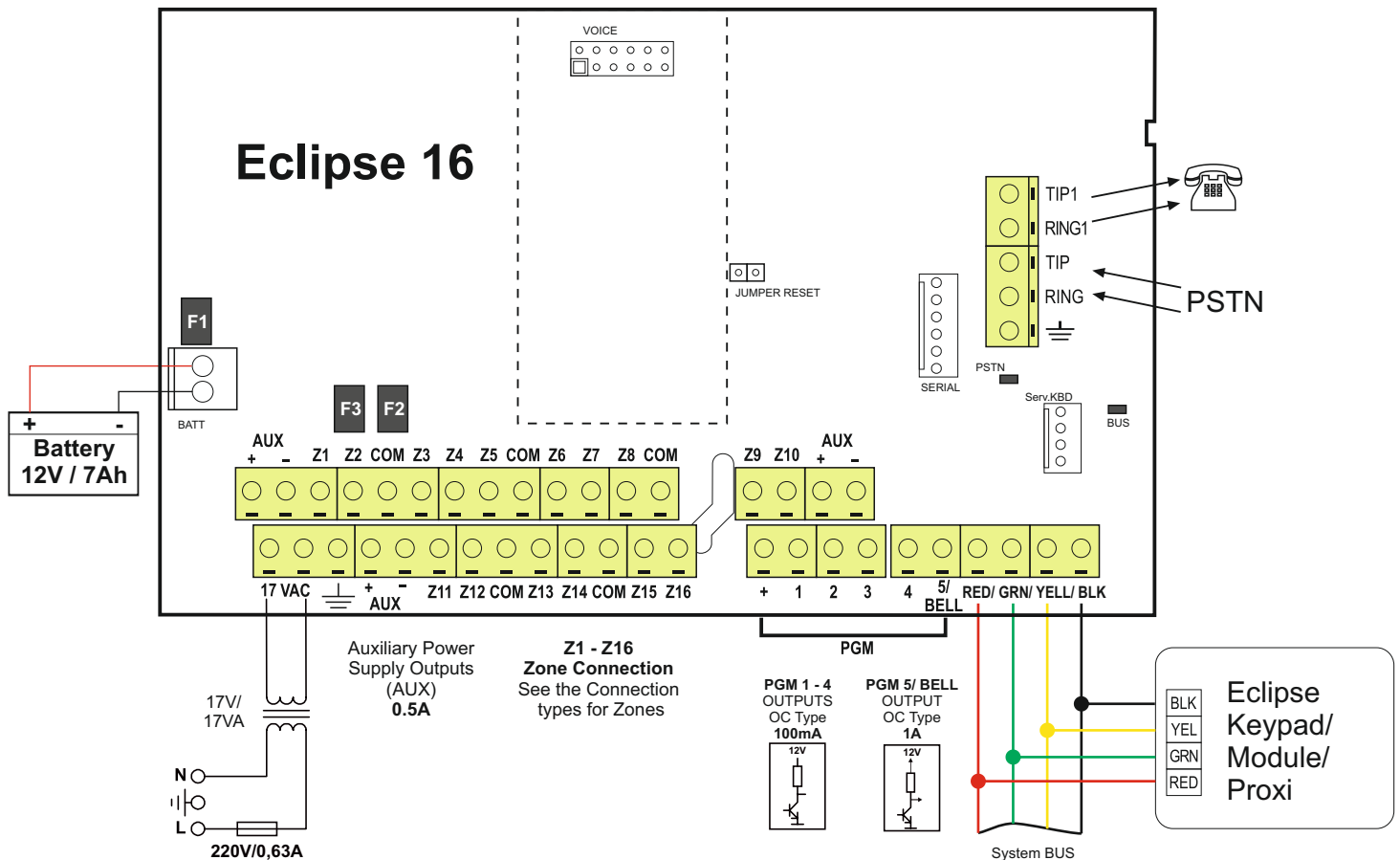


ECLIPSE 16 - QUICK STEPS OF INSTALLATION

Initial power-up of the panel:

1. Set a jumper on RESET terminals on the control panel PCB.
 2. Switch on the main power supply 220V.
 3. Switch on the back-up battery (12V/7Ah) connectors as observe the polarity of the connection: the red wire to “+” (positive) connector and the black wire “-” (negative) connector.
 4. The back lights of all connected to the system bus keyboards will light on showing that the power-up initialization of the system is running. Wait for 15-20 seconds until the power-up initialization is complete. Now the panel is ready for attaching of new devices to the system configuration.
 5. Press ENTER (✓) button of all connected to the system bus keyboards one-by-one – this is a quick method for attaching devices to the system. When the attaching is successful a confirmation sound signal is heard.
- ATTENTION:** DO NOT PRESS the PRG button of the keyboards during the attaching procedure. Pressing the PRG button will activate “Service keyboard” mode!
6. Remove the jumper from RESET terminals of the panel.
 7. Wait until the system BUS LED stops blinking fast in green.

ECLIPSE 16 - GENERAL CONNECTION DIAGRAM





ENGINEER CODE (7777 by default)

MENU: GENERAL PARAMETERS

ADDRESS	DESCRIPTION	ACTION / PARAMETERS
0000	Changing the engineer code	[*:*:*:] 0 Press and hold to delete the code → [] New code 4 digits 7777
0010	Ambush code	DISABLE ◀ ▶ ENABLE
0013	Trouble sound signalization	DISABLE ◀ ▶ ENABLE
0014	Confidential time mode	Enter time in interval 10 - 180 seconds [010]
0015	AC trouble delay indication	Enter time in interval 0 - 255 minutes [030]
0016	Setting the TAMPER type	DISABLE ◀ ▶ ENABLE <i>Silent TAMPER Audible TAMPER</i>
0020	Walk test	Test the zones one by one for correct indication in opening
0021	PGM test	[0] - enter the PGM number; [OFF/ON] - set the status
0023	Communicator test	Press "ARM" to start test transmission; Press "0" to abort.
0030	Hardware reset	DISABLE ◀ ▶ ENABLE
0031	Menu partial rest <i>Select the number of the menu and confirm with password 123456.</i>	General Settings Users Zones PGM Outputs Areas Comm menu Periph. Devices ① ② ③ ④ ⑥ ⑧
0032	Resetting the Manager code	Enter the password 123456 to reset the manager's code to its default value - 0000. 0000
0040	Review the memory LOG file	Use the arrows to review the events. Press "2" for more information; press "1" to return to main LOG review screen.
0050	System name	Enter system name up to 16 letters and/ or symbols.
0051	Setting the clock	Enter sequentially HH:MM (hour:minutes)
0052	Setting the date	Enter sequentially DD/MM/YY (day:mount:year)
0097	Setting the engineer menu style	Address Operation Text ① ② ③
0098	Review the panel software revision	

LEGEND: ■ Default parameters

 Confirm the setting

 Reject the settings

ENGINEER CODE (7777 by default)

MENU: USER CODES & SETTINGS

ADDRESS	DESCRIPTION	ACTION / PARAMETERS															
1010	User 01 Options <i>The options for User 01 cannot be changed!</i>	Disarm (1) Partial Arm (2) Bypass (3) Program (4)															
1011	User 01 Areas	Area 1 (1) Area 2 (2) Area 3 (3)															
1012	User 01 name	Enter User 01 name up to 16 letters and/ or symbols.															
1013	User 01 Proxy options	Disarm (1) Arming Options (2) (3)															
		<table border="1"> <tr> <td>(2)</td> <td>(3)</td> <td>Arming Options</td> </tr> <tr> <td>*</td> <td>*</td> <td>Arming is disabled</td> </tr> <tr> <td>*</td> <td>3</td> <td>Full Arming mode</td> </tr> <tr> <td>2</td> <td>*</td> <td>Stay Arming mode</td> </tr> <tr> <td>2</td> <td>3</td> <td>Sleep Arming mode</td> </tr> </table>	(2)	(3)	Arming Options	*	*	Arming is disabled	*	3	Full Arming mode	2	*	Stay Arming mode	2	3	Sleep Arming mode
(2)	(3)	Arming Options															
*	*	Arming is disabled															
*	3	Full Arming mode															
2	*	Stay Arming mode															
2	3	Sleep Arming mode															
1015	User 01 Function of button * of BRAVO RC remote key fob	Not used (0) Sleep ARM (1) Stay ARM (2) Fire Alarm (3) Medical Alarm (4) Police Alarm (5)															

User numbers from 02 to 32 are programmed in an analogical way.

The default settings are as follows:


1xx0	User xx Options	Disarm (1) Partial Arm (2) Bypass (3) Program (4)
1xx1	User xx Areas	Area 1 (1) Area 2 (2) Area 3 (3)

ATTENTION: BRAVO RC remote key fobs are enrolled to Eclipse WL wireless expander. The enrolled key fobs are automatically attached to corresponding user numbers in the system - RC1 to User01, RC2 to User02 and so on.

ECLIPSE 16 ADDRESS Quick Guide for Engineer Programming (2.0x)


ENGINEER CODE (7777 by default)


MENU: ZONE PROGRAMMING & SETTINGS

ADDRESS	DESCRIPTION	ACTION / PARAMETERS																										
2000	Setting type of zone wiring	Enter a connection style for zone wiring from 1 to 5. [2]																										
2003	Activations in pulse count mode	Enter a number of pulses from 2 to 9. Enter 0 to block pulse count mode. [0]																										
2004	Time for zones in pulse count mode	Enter time in interval 0 - 255 seconds. [000]																										
2010	Zone 01 Attaching of devices	Enter in sequence: [1] Number of Device; [01] Number of hardware input																										
2011	Zone 01Type  Only one type can be selected for zone!	Enter the type of Zone 01, according its operation: <table border="0"> <tr> <td>① Not used</td> <td>④ Fire</td> <td>⑧ Key-Switch</td> </tr> <tr> <td>② Entry/ Exit</td> <td>⑤ Panic</td> <td>⑨ 24h Auxiliary</td> </tr> <tr> <td>③ Follow</td> <td>⑥ Tamper</td> <td></td> </tr> <tr> <td>⑦ Instant</td> <td>⑦ Medical</td> <td></td> </tr> </table>	① Not used	④ Fire	⑧ Key-Switch	② Entry/ Exit	⑤ Panic	⑨ 24h Auxiliary	③ Follow	⑥ Tamper		⑦ Instant	⑦ Medical															
① Not used	④ Fire	⑧ Key-Switch																										
② Entry/ Exit	⑤ Panic	⑨ 24h Auxiliary																										
③ Follow	⑥ Tamper																											
⑦ Instant	⑦ Medical																											
2012	Zone 01 Areas	<table border="1"> <tr> <td>Area 1</td> <td>Area 2</td> <td>Area 3</td> </tr> <tr> <td>①</td> <td>②</td> <td>③</td> </tr> </table>	Area 1	Area 2	Area 3	①	②	③																				
Area 1	Area 2	Area 3																										
①	②	③																										
2014	Zone 01 Main Attributes	<table border="1"> <tr> <td></td> <td>Bypass</td> <td>Stay Arm</td> <td>Sleep Arm</td> <td>Force Arm</td> <td>Double Knock</td> </tr> <tr> <td></td> <td>②</td> <td>③</td> <td>④</td> <td>⑤</td> <td>⑥</td> </tr> </table>		Bypass	Stay Arm	Sleep Arm	Force Arm	Double Knock		②	③	④	⑤	⑥														
	Bypass	Stay Arm	Sleep Arm	Force Arm	Double Knock																							
	②	③	④	⑤	⑥																							
2015	Zone 01 Additional Attributes	<table border="1"> <tr> <td></td> <td></td> <td>Report Only</td> <td></td> <td></td> <td>Chime</td> <td>Pulse Count</td> <td>Power up Delay</td> </tr> <tr> <td></td> <td></td> <td>③</td> <td></td> <td></td> <td>⑥</td> <td>⑦</td> <td>⑧</td> </tr> </table>			Report Only			Chime	Pulse Count	Power up Delay			③			⑥	⑦	⑧										
		Report Only			Chime	Pulse Count	Power up Delay																					
		③			⑥	⑦	⑧																					
2016	Zone 01 Key-Switch Attributes <i>Attribute 1 has two positions: *- Pulse is set; 1 - Latch is set Attribute 5 has two positions: *- Normal is set; 5 - Invert is set</i>	<table border="1"> <tr> <td>Pulse Latch</td> <td>Arming Options</td> <td>Disarm</td> <td>Normal Invert</td> <td> <table border="1"> <tr> <td>②</td> <td>③</td> <td>Arming Options</td> </tr> <tr> <td>* *</td> <td>* *</td> <td>Arming is disabled</td> </tr> <tr> <td>* *</td> <td>③</td> <td>Full Arming mode</td> </tr> <tr> <td>②</td> <td>* *</td> <td>Stay Arming mode</td> </tr> <tr> <td>②</td> <td>③</td> <td>Sleep Arming mode</td> </tr> </table> </td> </tr> <tr> <td></td> <td>①</td> <td>②</td> <td>③</td> <td>④</td> <td>⑤</td> </tr> </table>	Pulse Latch	Arming Options	Disarm	Normal Invert	<table border="1"> <tr> <td>②</td> <td>③</td> <td>Arming Options</td> </tr> <tr> <td>* *</td> <td>* *</td> <td>Arming is disabled</td> </tr> <tr> <td>* *</td> <td>③</td> <td>Full Arming mode</td> </tr> <tr> <td>②</td> <td>* *</td> <td>Stay Arming mode</td> </tr> <tr> <td>②</td> <td>③</td> <td>Sleep Arming mode</td> </tr> </table>	②	③	Arming Options	* *	* *	Arming is disabled	* *	③	Full Arming mode	②	* *	Stay Arming mode	②	③	Sleep Arming mode		①	②	③	④	⑤
Pulse Latch	Arming Options	Disarm	Normal Invert	<table border="1"> <tr> <td>②</td> <td>③</td> <td>Arming Options</td> </tr> <tr> <td>* *</td> <td>* *</td> <td>Arming is disabled</td> </tr> <tr> <td>* *</td> <td>③</td> <td>Full Arming mode</td> </tr> <tr> <td>②</td> <td>* *</td> <td>Stay Arming mode</td> </tr> <tr> <td>②</td> <td>③</td> <td>Sleep Arming mode</td> </tr> </table>	②	③	Arming Options	* *	* *	Arming is disabled	* *	③	Full Arming mode	②	* *	Stay Arming mode	②	③	Sleep Arming mode									
②	③	Arming Options																										
* *	* *	Arming is disabled																										
* *	③	Full Arming mode																										
②	* *	Stay Arming mode																										
②	③	Sleep Arming mode																										
	①	②	③	④	⑤																							
2018	Zone 01 name	Enter Zone 01 name up to 16 letters and/ or symbols.																										
2019	Zone 01 Line resistance	Check the line resistance of Zone 01.																										

Zone numbers from 02 to 16 are programmed in an analogical way.

LEGEND:  Default parameters

 Confirm the setting

 Reject the settings

ENGINEER CODE (7777 by default)

MENU: PGM PROGRAMMING & SETTINGS

ADDRESS	DESCRIPTION	ACTION / PARAMETERS												
3010	PGM 01 Attaching of devices	Enter in sequence: [1] Number of Device; [01] Number of hardware output												
3011	PGM 01 Options <i>Attribute 1 has two positions: *- Output is set; 1 - Siren is set Attribute 2 has two positions: *- Normal is set; 2 - Invert is set</i>	<table border="1"> <tr> <td></td> <td colspan="2" style="text-align: center;"><i>Polarity</i></td> </tr> <tr> <td>Output</td> <td style="background-color: #cccccc;">Normal</td> <td></td> </tr> <tr> <td>Siren</td> <td>Invert</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">(1)</td> <td style="text-align: center;">(2)</td> </tr> </table>		<i>Polarity</i>		Output	Normal		Siren	Invert			(1)	(2)
	<i>Polarity</i>													
Output	Normal													
Siren	Invert													
	(1)	(2)												
3012	PGM 01 Areas	<table border="1"> <tr> <td style="background-color: #cccccc;">Area 1</td> <td>Area 2</td> <td>Area 3</td> </tr> <tr> <td style="text-align: center;">(1)</td> <td style="text-align: center;">(2)</td> <td style="text-align: center;">(3)</td> </tr> </table>	Area 1	Area 2	Area 3	(1)	(2)	(3)						
Area 1	Area 2	Area 3												
(1)	(2)	(3)												
3013	PGM 01 Activation event*	Enter a number of activation event for PGM 01. [20]												
3014	PGM 01 Act. event Parameters 1	Set Parameters 1 of activation event for PGM 01. [123]												
3015	PGM 01 Act. event Parameters 2	Set Parameters 2 of activation event for PGM 01. 0												

PGM numbers from 02 to 08 are programmed in an analogical way.

*NOTE: The table with description of PGM activation events is given at the end of the document.

⚠ ATTENTION: The default settings for PGM 05 is to operate as siren output:

3051	PGM 05 Options	<table border="1"> <tr> <td></td> <td colspan="2" style="text-align: center;"><i>Polarity</i></td> </tr> <tr> <td>Output</td> <td style="background-color: #cccccc;">Normal</td> <td></td> </tr> <tr> <td>Siren</td> <td>Invert</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">(1)</td> <td style="text-align: center;">(2)</td> </tr> </table>		<i>Polarity</i>		Output	Normal		Siren	Invert			(1)	(2)
	<i>Polarity</i>													
Output	Normal													
Siren	Invert													
	(1)	(2)												

LEGEND: Default parameters

Confirm the setting

Reject the settings

ENGINEER CODE (7777 by default)

MENU: AREA PROGRAMMING & SETTINGS

ADDRESS	DESCRIPTION	ACTION / PARAMETERS										
4000	Setting the account digit length	4 digits ◀ ▶ 6 digits										
4001	Setting "Double knock" delay time	Set a time in interval from 1 to 5 minutes. [3]										
4010	Setting Area 1 exit time	Set the exit time for Area 1 in time interval 0-255 seconds. [045]										
4011	Setting Area 1 entry time	Set the entry time for Area 1 in time interval 0-255 seconds. [015]										
4012	Setting Area 1 alarm cycle	Set the alarm cycle for Area 1 in time interval 0-255 min. [001]										
4013	Setting Area 1 account number	Set an account number with 4/6 digits/letters length. [FFFF]										
4014	Setting Area 1 Bell Attributes	<table border="1"> <tr> <td>Squawk on Arm</td> <td>Squawk on Disarm</td> <td></td> <td></td> <td>Fire alarm duration</td> </tr> <tr> <td>①</td> <td>②</td> <td></td> <td></td> <td>⑤</td> </tr> </table>	Squawk on Arm	Squawk on Disarm			Fire alarm duration	①	②			⑤
Squawk on Arm	Squawk on Disarm			Fire alarm duration								
①	②			⑤								
4015	Setting Area 1 ON/OFF Attributes	<table border="1"> <tr> <td></td> <td></td> <td>Clear bypass on disarm</td> <td>Quick Arm</td> </tr> <tr> <td></td> <td></td> <td>③</td> <td>④</td> </tr> </table>			Clear bypass on disarm	Quick Arm			③	④		
		Clear bypass on disarm	Quick Arm									
		③	④									
4016	Setting Area 1 Panic type <i>Attribute 2 has two positions: *- Audible; 2 - Silent</i> <i>Attribute 4 has two positions: *- Audible; 4 - Silent</i>	<table border="1"> <tr> <td>Enable Police Panic</td> <td>Police Panic Sound</td> <td>Enable Medical Panic</td> <td>Medical Panic Sound</td> <td>Enable Fire Panic</td> </tr> <tr> <td>①</td> <td>②</td> <td>③</td> <td>④</td> <td>⑤</td> </tr> </table>	Enable Police Panic	Police Panic Sound	Enable Medical Panic	Medical Panic Sound	Enable Fire Panic	①	②	③	④	⑤
Enable Police Panic	Police Panic Sound	Enable Medical Panic	Medical Panic Sound	Enable Fire Panic								
①	②	③	④	⑤								
4017	Area 1 name	Enter Area 1 name up to 16 letters and/ or symbols.										

Area numbers 2 and 3 are programmed in an analogical way.

ATTENTION!

You must consider the following important notes for **Eclipse Series keyboards** when connected to **ECLIPSE 16** control panel:

Keyboard	Display Type	Indication		
		Area 1	Area 2	Area 3
LED 8	LED Icon	One Area*; No specific indication		
LED 16A	LED Icon	A	B	C
LED 32	LED Icon	A1	A2	A3
LCD 32 (S)	LCD Text	1	2	3

***Note:** The keyboard supports operation and management of only one area. The area number is set at address 80x3, where "x" is the keyboard number in the system.

LEGEND: Default parameters

Confirm the setting

Reject the settings

ENGINEER CODE (7777 by default)

MENU: COMMUNICATION PROGRAMMING & SETTINGS

ADDRESS	DESCRIPTION	ACTION / PARAMETERS																															
6000	Setting the PSTN Options <i>Attribute 4 has two positions:</i> *- Tone type dialing is set; 4 - Pulse type dialing is set <i>Attribute 5 has two positions:</i> *- Dial tone is set; 5 - Blind dialing is set <i>Attribute 6 has two positions:</i> *- Message to all phones; 6 - Message to at least one phone	<table border="1"> <tr> <td>Dialer</td> <td>TLM*</td> <td>TLM* Alarm</td> <td colspan="2">Dialing</td> <td>All</td> <td>Report channels</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Tone Pulse</td> <td>Dial tone Blind dialing</td> <td>Alternat.</td> <td></td> </tr> <tr> <td>①</td> <td>②</td> <td>③</td> <td>④</td> <td>⑤</td> <td>⑥</td> <td>⑦ ⑧</td> </tr> </table> <table border="1"> <tr> <td>⑦ ⑧</td> <td>Report channels</td> </tr> <tr> <td>* *</td> <td>No communication through AJAX and PSTN channels</td> </tr> <tr> <td>* 8</td> <td>AJAX is the main channel, and PSTN is backup channel</td> </tr> <tr> <td>7 *</td> <td>PSTN is the main channel, and AJAX is backup channel</td> </tr> <tr> <td>7 8</td> <td>Both channels are used</td> </tr> </table>	Dialer	TLM*	TLM* Alarm	Dialing		All	Report channels				Tone Pulse	Dial tone Blind dialing	Alternat.		①	②	③	④	⑤	⑥	⑦ ⑧	⑦ ⑧	Report channels	* *	No communication through AJAX and PSTN channels	* 8	AJAX is the main channel, and PSTN is backup channel	7 *	PSTN is the main channel, and AJAX is backup channel	7 8	Both channels are used
Dialer	TLM*	TLM* Alarm	Dialing		All	Report channels																											
			Tone Pulse	Dial tone Blind dialing	Alternat.																												
①	②	③	④	⑤	⑥	⑦ ⑧																											
⑦ ⑧	Report channels																																
* *	No communication through AJAX and PSTN channels																																
* 8	AJAX is the main channel, and PSTN is backup channel																																
7 *	PSTN is the main channel, and AJAX is backup channel																																
7 8	Both channels are used																																
6001	Number of attempts for communic.	Set the number of attempts for communication 1 - 9. [4]																															
6002	Setting the test message period	Set the time period 0 - 255 hours. [024]																															
6003	Setting the test message hour	Set the start time in format [HH:MM]. [00:05]																															
6004	Setting the TLM* fault delay	Set the time delay period 0 - 255 minutes. [000]																															
6010	Phone 1 for the digital communicator	Enter a telephone number up to 32 characters long.																															
6011	Phone 1 communication protocol	CID ◀ ▶ SIA																															
6012	Phone 1 alarm messages	<table border="1"> <tr> <td>Alarm</td> <td>Tamper</td> <td>Panic, Ambush</td> <td>Fire</td> <td>Arm, Disarm, Bypass</td> <td>Medical</td> <td>Trouble</td> <td>Special</td> </tr> <tr> <td>①</td> <td>②</td> <td>③</td> <td>④</td> <td>⑤</td> <td>⑥</td> <td>⑦</td> <td>⑧</td> </tr> </table>	Alarm	Tamper	Panic, Ambush	Fire	Arm, Disarm, Bypass	Medical	Trouble	Special	①	②	③	④	⑤	⑥	⑦	⑧															
Alarm	Tamper	Panic, Ambush	Fire	Arm, Disarm, Bypass	Medical	Trouble	Special																										
①	②	③	④	⑤	⑥	⑦	⑧																										
6013	Phone 1 areas	<table border="1"> <tr> <td>Area 1</td> <td>Area 2</td> <td>Area 3</td> </tr> <tr> <td>①</td> <td>②</td> <td>③</td> </tr> </table>	Area 1	Area 2	Area 3	①	②	③																									
Area 1	Area 2	Area 3																															
①	②	③																															

The second phone number for the communicator is programmed in an analogical way.
 * TLM - Telephone Line Monitoring

ENGINEER CODE


(7777 by default)


MENU: COMMUNICATION PROGRAMMING & SETTINGS

ADDRESS DESCRIPTION ACTION / PARAMETERS

6100	Setting the VD Options	Report for event User control ① ②
6101	VD Message Repetitions	Enter the number of message repetitions from 1-9 . [3]
6102	VD Dial Repetitions	Enter the number of dials repetitions from 1-9 . [3]
6103	VD Language	Set a number for language of the messages: [00] - English [01] - Portuguese [02] - Italian [03] - Romanian [04] - Greek [05] - Persian (Farsi) [06] - French
6110	VD Phone 1	Enter a telephone number up to 32 characters long.
6111	VD Phone 1 areas	Area 1 Area 2 Area 3 ① ② ③
VD Phone numbers from 2 to 8 for the voice dialer are programmed in an analogical way.		
6901	Setting PC ID number	Enter a PC ID number for up/ downloading. [1234]
6904	Setting the UDL options	Answ. machine ②
6905	Setting the number of rings	Enter the number of incoming rings from 01 to 99. Enter 00 to block the up/ downloading. [04]

LEGEND: Default parameters

 Confirm the setting

 Reject the settings

ENGINEER CODE (7777 by default)

MENU: DEVICE PROGRAMMING & SETTINGS

ADDRESS DESCRIPTION ACTION / PARAMETERS

8xx0 → Device XX ID
XX is a number of Device 02 to 06.

⚠ Attention Device 01 is always the PCB of the control panel!

LED	LCD	Device type
①	MAIN	The PCB of the control panel.
②	LCD	LCD32 or LCD32 Sensitive Keyboard.
③	LED	LED 8, LED 16A or LED32 Keyboard.
④	ZEXP	Zone expander.
⑥	WEXP	Wireless expander.
⑦	PRX	Stand alone proximity reader.

8xx1 → Device XX areas

Area 1	Area 2	Area 3
①	②	③

8xx2 → Device XX options

Chime	Zone info	Conf. mode	Exit conf. mode
①	②	③	④

8xx3 → Device XX Physical hardware

The number of physical inputs depends on the type of the device.

In [X] - Device XX inputs; Out [X] - Device XX outputs

8xx4 → Device XX Communication

Checking the communication quality between Device XX and the control panel.

8xx5 → Wireless device enrolment

*Devices from MC, PIR, FLD and FIRE type must be attached to a free zone number.
Devices from SR type must be attached to a free PGM number with option "Siren" set.*

Enter a number of wireless device (from 01 to 16) and confirm with ENTER. If the position is free the screen displays [Free][_____].

LED	LCD	Device type
⑪	SIRN	Wireless siren BRAVO SR.
⑫	MC	Wireless magnetic contact BRAVO MC.
⑬	PIR	Wireless motion detector BRAVO PIR.
⑯	FIRE	Wireless fire detector BRAVO FD.
⑰	FLD	Wireless flood detector BRAVO FL.

8xx6 → Remote key fobs enrolment

Enter a number of key fob (from 01 to 32) and confirm with ENTER. If the position is free the screen displays [Free][_____].

⑮	REMT	Remote key fob BRAVO RC.
---	------	--------------------------

NOTE: Accessible for Eclipse WL wireless expander only.

8xx7 → Setting Arming Mode A

Area 1	Area 2	Area 3
Stay Arm	*	*

8xx8 → Setting Arming Mode B

Area 1	Area 2	Area 3
Sleep Arm	*	*

Button	Operation	Indication on keyboard		
		LCD	LED32	LED8/16A
①	No change of the Area state	[*]	[10]	Button [0]
②	Disarm	[d]	[1]	Button [1]
③	Full Arm	[f]	[2]	Button [2]
④	Stay Arm	[s]	[3]	Button [3]
⑤	Sleep Arm	[S]	[4]	Button [4]

NOTE: Accessible for stand alone proximity card readers only.

LEGEND: Default parameters

Confirm the setting

Reject the settings

APPENDIX

Table of the PGM events.

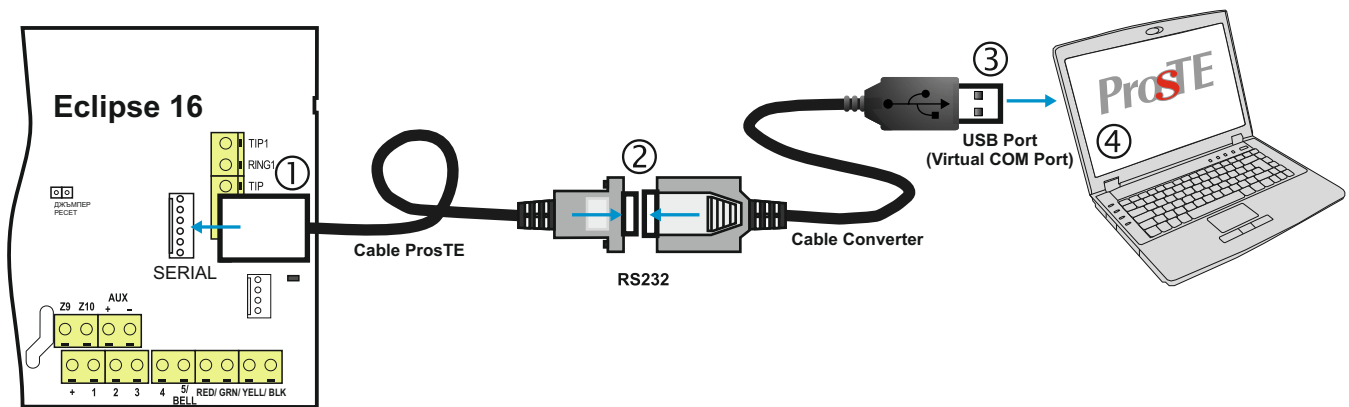
ADDRESS: 3xx3 - Activation		ADDRESS: 3xx4 – Set Parameter 1	ADDRESS: 3xx5 – Set Parameter 2
00	The output is not used		
Event No	ZONE Event - Description	PARAMETERS 1	PARAMETERS 2
01 ZONE OPEN	Zone Open Activated on “OR” function (if at least one of the set area numbers is open the PGM is activated) Deactivated on “AND” function (when all of the set area numbers are closed the PGM is restored)	Enter zone number “FROM”	Enter zone number “TO” “00” – not used, operates only “FROM”
02-11	Not used	-	-
12 ZONE IN ALARM	Alarm cycle Activated on “OR” function (a signal from protected areas from type Entry-Exit, Follow and Instant, PGM is activated) Deactivated on “AND” function (when all of the set zone numbers are alarm restored the PGM is restored too)	Enter zone number “FROM”	Enter zone number “TO” “00” – not used, operates only “FROM”
13-19	Not used		
Event No	AREA Event - Description	PARAMETERS 1	PARAMETERS 2
20 AREA ARM	Area Arming Activated on “OR” function (if at least one of all area numbers is armed the PGM is activated) Deactivated on “AND” function (when all area numbers are disarmed the PGM is restored)	Enter the arming type: 1 – FULL arming 2 – STAY arming 3 – SLEEP arming All arming types are enabled by default.	-
21-26	Not used	-	-
27 ALARM IN AREA	Alarm in Area Activated on “OR” function (if at least one area number is in alarm the PGM is activated) Deactivated on “AND” function (when all area numbers are alarm restored the PGM is restored too)	Enter the alarm type: 1 – Burglary alarm 2 – Fire alarm 3 – Panic alarm 4 – Tamper alarm 5 – Medical alarm 6 – Ambush code All alarm types are enabled by default.	-
28	Not used		-
29 PANIC IN AREA	Panic Alarm in Area Activated on “OR” function (if at least one area number is in panic alarm the PGM is activated) Deactivated on “AND” function (when all area numbers are panic alarm restored the PGM is restored too)	Enter the panic type: 1 – Silent panic 2 – Sound panic 3 – Silent medical 4 – Sound medical 5 – Fire All panic types are enabled by default.	-
30-36	Not used	-	-

Event No	CODE Events - Description	PARAMETERS 1	PARAMETERS 2
37 AMBUSH CODE	Ambush Code Enter Activated on "OR" function (when an ambush code is entered the PGM is activated) Deactivation on time - 5 sec.	Enter the number of user code to start "FROM".	Enter the number of user code to end "TO".
		<i>To set a single user code, enter 00 at the address for PARAMETERS 2. To set all possible user codes, enter 00 for both addresses PARAMETERS 1 and PARAMETERS 2.</i>	
38	Not used		
39 VALID PROXY	Proximity card using <i>Only for those cases when the proxy card and the PGM output have common areas and at least one of them is disarmed.</i> Activated on "OR" function (when a valid proximity card is placed in front of the card reader the PGM is activated) Deactivation on time - 5 sec.	Enter the number of proximity card to start "FROM".	Enter the number of proximity card to end "TO".
		<i>To set a single user code, enter 00 at the address for PARAMETERS 2. To set all possible user codes, enter 00 for both addresses PARAMETERS 1 and PARAMETERS 2.</i>	
40	Not used		
41 Valid remote key fob	Valid remote key fob (RC) Activated on "OR" function (when a valid RC is entered, the PGM is activated). Deactivation on time – 5 sec.	Enter the number of RC to start "FROM".	Enter the number of RC to end "TO".
		<i>To set a single RC, enter 00 at the address for PARAMETERS 2. To set all possible RCs, enter 00 for both addresses PARAMETERS 1 and PARAMETERS 2.</i>	
42-46	Not used	-	-
Event No	TROUBLE Event - Description	PARAMETERS 1	PARAMETERS 2
47 SYSTEM FAULT	System Trouble Activated on "OR" function (if at least one system trouble is present the PGM is activated) Deactivated on "AND" function (when no system troubles are present)	Enter the trouble type: 1 – AC power loss 2 – Battery loss 3 – Blown fuse 4 – Tel. line or communication failure 5 – Tamper 6 – System bus error 7 – Fire line failure 8 – Siren fault All system troubles are enabled by default.	Enter the trouble type: 9 (bit 1) – Invalid time and date 10 (bit 2) – Wireless device trouble 11 (bit 3) – Radio jamming of the wireless expander 12 (bit 4) – Problem with the power supply of an expander module. All system troubles are disabled by default.
	48-54	Not used	-
Event No	Special Events - Description	PARAMETERS 1	PARAMETERS 2
55 ENG. MENU ENTRY	Engineer menu entry The PGM is activated in Engineer menu entry. The PGM is restored in Engineer menu exit.	-	-
	56 - 60	Not used	-
61 FIRE RESET	Fire Detector Reset The PGM is activated when the Memory log file is cleared after entering of valid codes with rights for operation in the respective area. Deactivation on time - 5 sec.	-	-
	62-63	Not used	
64 CONTROL	Remote control <i>Activation and deactivation (restore) of the PGM output over communication module (AJAX, VD/DTMF, ARGUS, etc).</i>	-	-
	65	Not used	
66	Alarm or entry time	-	-

FIRMWARE UPDATE

For realizing of firmware update of ECLIPSE 16 you have to provide the following:

- ECLIPSE 16 control panel with power supply on.
- Specialized cable “Cable ProsTE” for programming.
- Cable converter USB to SERIAL RS232.
- Personal computer or laptop with installed ProsTE software.
- SPF file for firmware update downloaded form the site of the manufacturer.



Attention: Always use the last actual version of ProsTE Specialized Programming Software downloaded from the official web page of the manufacturer!

Actual files (SPF) for firmware update are available for download for registered users only from the official web page of the manufacturer: <http://www.teletek-electronics.com>

To do a firmware update of your ECLIPSE 16 panel:

1. Download the last actual file for firmware update from the official web page of the manufacturer and save it to your local computer or laptop.
2. Connect the ECLIPSE 16 panel to the computer and run the ProsTE software.
3. Choose ECLIPSE 16 system from the drop-down menu.
4. Read and save the system configuration to your local computer as *.TDF file format.
5. Click with the right button of the mouse and choose from the option list “Firmware update” menu.
6. In the new dialogue window press the Browse button and select the SPF file from your local computer.
7. Press “Update” button in the dialogue window.
8. In the dialogue window “Communication” choose a COM port (to which the panel is physically connected) and press OK button for confirmation.
9. Wait the firmware update process to complete.
10. Press the Finish button in the dialogue window.
11. Perform a full hardware reset of the panel – see item 3.2.
12. Update the language strings of the panel – start ProsTE at your language, choose “Eclipse Strings” and write them down to the panel.
13. Write down the saved earlier system configuration (*.TDF file).