

Alarm Control Panel

CA-6

Firmware Version 6.06

Satel 

GDAŃSK

PROGRAMMING LIST



ALARM SYSTEM.....

USER.....

ADDRESS.....

TELEPHONE NUMBER.....

REMARKS

.....

.....

Latest EC declaration of conformity and product approval certificates can
be downloaded from website www.satel.pl



FS20 - KEYPAD AND PARTITION OPTIONS

FIRST SET (the lower B diode is blinking)		
1	<input type="checkbox"/>	No quick arming, partition A
2	<input type="checkbox"/>	No quick arming, partition B
3	<input type="checkbox"/>	No quick arming, partition A and B
4	<input type="checkbox"/>	<i>not used</i>
5	<input type="checkbox"/>	No wrong codes count
6	<input type="checkbox"/>	Disable PANIC alarm from keypad
7	<input type="checkbox"/>	Disable AUX. alarm from keypad
8	<input type="checkbox"/>	Disable FIRE alarm from keypad

Confirm by pressing #

SECOND SET (the lower A diode is blinking)		
1	<input type="checkbox"/>	Alarm until cancelled (if the option 2 of this set is off)
2	<input type="checkbox"/>	Alarm during alarm time
3	<input type="checkbox"/>	Sign. Day/Night zones violation
4	<input type="checkbox"/>	CHIME signalling
5	<input type="checkbox"/>	Trouble signalling
6	<input type="checkbox"/>	Exit signalling
7	<input type="checkbox"/>	Entry signalling
8	<input type="checkbox"/>	Key press sounds

Confirm by pressing #

FS24 - ZONE SENSITIVITY (program from 1 up to 255)

Zone	1	2	3	4	5	6	7	8
Value	<input type="checkbox"/>							
default [x16ms]	30	30	30	30	30	30	30	30

Note: the LEDs 1–8 do not display the new parameter value
 Default setting for all of the zones = 30
 (30*16 ms = 480 ms.).
 Program from 1 up to 255, each digit confirm with [#] key.

FS25 - ZONE TYPE (program from 00 up to 05)

Zone	1	2	3	4	5	6	7	8
Value	<input type="checkbox"/>							
default	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3

00	no detector	03	EOL
01	NC	04	2EOL/NC
02	NO	05	2EOL/NO

FS26 - ZONE FUNCTION (program from 00 up 20)

00 - EXIT/ENTRY

03 - INSTANT

06 - COUNTING C2

13 - SILENT ARMING

01 - DELAYED

04 - DAY/NIGHT

07 - COUNTING C3

14 - DISARMING

02 - INTERIOR DELAYED

05 - COUNTING C1

08 - 24H AUDIBLE

15 - NO ALARM ACTION

Zone	1	2	3	4	5	6	7	8
Value								
default	0 0	0 3	0 3	0 3	0 3	0 3	0 3	0 3

09 - 24H AUXILIARY

16 - ARM/DISARM

10 - 24H SILENT

17 - DELAYED WITH SIGNALLING

11 - 24H FIRE

18 - ARMING WITH BYPASS

12 - ARMING

19 - PERIMETER

FS27 - ZONE OPTIONS

Option	Zones	zone number is displayed on AB, AB LEDs							
		1	2	3	4	5	6	7	8
1	Arming impossible, if the zone with activated option is violated or tampered (PRIORITY)	x	x	x	x	x	x	x	x
2	CHIME signalling in keypad								
3	Bypassed after 1 alarm (AUTORESET 1)								
4	Bypassed after 3 alarm (AUTORESET 3)								
5	No information on the zone violation during the entry delay reported to the monitoring station (ABORT DELAY)								
6	The zone will be bypassed for 120 sec. after power is switched on (POWER UP DELAY)								
7	Restore after bell								
8	Restore after disarm								

Activation of the options is carried out individually for each zone and consists in lighting up the corresponding LEDs. Settings for each zone must be confirmed with [#] key. By default all options are off (except PRIORITY).

FS28 - INDIVIDUAL ENTRY DELAY (program from 00 up 99 sec.)

Zone	1	2	3	4	5	6	7	8
Entry delay								

Note: Confirm with [#] key.
By default all entry delay times = 0.

FS31, 33, 35, 37, 39 - OUTPUTS

			FS31 OUT 1	FS33 OUT 2	FS35 OUT 3	FS37 OUT 4	FS39 OUT 5
OUTPUT FUNCTION							
<i>Confirm by pressing #</i>			<i>by default:</i>				
OUTPUT OPERATION TIME							
<i>Confirm by pressing #</i>			<i>by default:</i>				
OPTIONS <i>lighting of the LED indicates that the option is ON</i>	Output assigned to partition 1	1					
	Output assigned to partition 2	2					
	<i>not used</i>	3					
	<i>not used</i>	4					
	Pulse signal	5					
	Operation time in minutes	6					
	LATCH type output – signaling until cleared	7		x			
	Polarity +12V	8	x	x	x	x	x

- 00 not used
- 01 BURGLARY
- 02 FIRE/BURGLARY
- 03 FIRE ALARM
- 04 ALARM (from keypad)
- 05 FIRE (from keypad)
- 06 PANIC (from keypad)
- 07 MEDICAL ALARM (AUX) (from keypad)
- 08 TAMPERING (KEYPAD/MODULE)
- 09 DAY ALARM
- 10 DURESS ALARM
- 11 CHIME
- 12 MONO SWITCH ([CODE][*][7])
- 13 BI SWITCH ([CODE][*][8])
- 14 ARMED STATUS
- 15 SILENT ARMING STATUS
- 16 EXIT DELAY STATUS
- 17 ENTRY DELAY STATUS
- 18 TELEPHONE LINE IN USE STATUS
- 19 GROUND START
- 20 MONITORING ACKNOLEGMENT
- 21 BYPASS STATUS
- 22 READY STATUS
- 23 ZONE VIOLATION

Confirm by pressing #

X - by default

- 24 TELEPHONE LINE TROUBLE STATUS
- 25 AC POWER LOSS
- 26 BATTERY TROUBLE
- 27 POWER SUPPLY
- 28 FIRE DETECTORS POWER SUPPLY
- 29 RESETABLE POWER SUPPLY
- 30 TIMER
- 31 AUDIBLE ARMING STATUS
- 32 FULL ARMED STATUS

- 33 ARM/DISARM beep
- 34 ALARM IN KEYPAD
- 35 POWER SUPPLY ON ARMED
- 36/37 SIGNALLING: LED/RELAY
- 38 *not used (do not program)*
- 39 NO GAURD ROUND
- 40 SERVICE MODE STATUS
- 41 BATTERY LOW STATUS

FS32, 34, 36, 38, 40 - LIST OF ZONES - TRIGGERING OUTPUTS

		Lists of zones				
	LED	FS32 OUT1	FS34 OUT2	FS36 OUT3	FS38 OUT4	FS40 OUT5
ZONE 1	1					
ZONE 2	2					
ZONE 3	3					
ZONE 4	4					
ZONE 5	5					
ZONE 6	6					
ZONE 7	7					
ZONE 8	8					

Note:

The list of zones can be empty (default setting). Then the output will respond to violation of any zone with a corresponding to the output type function (for example an output, which signals burglary alarms will not respond to a violation of a 24H FIRE zone).

Similarly, it is not necessary to enter a partition number in output options. In this case the output will be responding to all zones, independent of their partition assignments.

If zones and partitions are selected, than the output will be responding only to the selected zones and clearing the alarm will be possible only in the selected partition.

Confirm by pressing #

FS43 - STATION 1 TELEPHONE NUMBER

|_|_|#|_|_|#|_|_|#|_|_|#|_|_|#|_|_|#|_|_|#|_|_|#|_|_|#|_|_|#

by default |AAAAAAAAAAAAAAAA|

see: function no.4

FS44 - STATION 2 TELEPHONE NUMBER

|_|_|#|_|_|#|_|_|#|_|_|#|_|_|#|_|_|#|_|_|#|_|_|#|_|_|#|_|_|#

by default |AAAAAAAAAAAAAAAA|

see: function no.4

FS45 - STATION 1 FORMAT |_|_|#

- 00 - Silent Knight, Ademco slow
- 01 - Sescoa, Franklin, DCI, Vertex
- 02 - Silent Knight fast
- 03 - Radionics 1400Hz
- 04 - Radionics 2300Hz
- 05 - Radionics with parity 1400Hz
- 06 - Radionics with parity 2300Hz
- 07 - Ademco Express

- 08 - Silent Knight, Ademco slow, extended
- 09 - Sescoa, Franklin, DCI, Vertex, extended
- 0A - Silent Knight fast, extended
- 0B - Radionics 1400Hz, extended
- 0C - Radionics 2300Hz, extended
- 0D - *do not program*
- 0E - Contact ID (selected)
- 0F - Contact ID (full)

FS46 - STATION 2 FORMAT |_|_|#

FS47 - MONITORING OPTIONS

1	<input type="checkbox"/>	Only station 1, with event selection
2	<input type="checkbox"/>	Only station 2, with event selection
3	<input checked="" type="checkbox"/>	<i>not used</i>
4	<input checked="" type="checkbox"/>	<i>not used</i>
5	<input type="checkbox"/>	Add zone number to partition report code
6	<input type="checkbox"/>	Add zone number to event code
7	<input type="checkbox"/>	Omit code not confirmed by station 1
8	<input type="checkbox"/>	Omit code not confirmed by station 2

Note:

- when option 1 and 2 are off: transmission to station 1 or to station 2, without event sorting (to those, which is first).
- when option 1 and 2 are on: transmission to the both station, with event sorting.

FS48 - EVENT IDENTIFIER FOR STATION 1

|_|_|#|_|_|#

FS54 - EVENT IDENTIFIER FOR STATION 2

|_|_|#|_|_|#

Note:

- use the characters from 1 to F. In case of three character identifiers, the fourth character should be programmed as 0 (zero is not transmitted).
- If the station requires zero in the identifier, program "A" instead of "0" (i.e. 12A3 instead of 1203)

FS60, 61, 63, 64, 65 - REPORTING CODES – ZONES

Zones <i>(the zone number displayed on AB, AB LEDs)</i>	1	2	3	4	5	6	7	8
FS60 - ZONE ALARM CODES								
FS61 - ZONE TAMPER CODES								
FS63 - ZONE VIOLATION CODES								
FS64 - ZONE RESTORE CODES								
FS 65 - TAMPER RESTORE CODES								

Note:

Events with 00 code will not be reported.
 The zone violation code is transmitted to the monitoring station in case of:

- violation of an armed delayed zone
- violation of an instant zone when the zone already signals an alarm
- violation of a counting zone when the number of violations still does not trigger an alarm
- violation of a day/night zone when it is disarmed

If there is no need to distinguish between the alarms and the violations, then the violation codes can be programmed just the same as the alarm codes.

Confirm by pressing #

by default all codes = 00

FS67, 68 - ZONE EVENTS ASSIGNMENT TO MONITORING STATIONS

	FS67 reported to station 1	FS68 reported to station 2
ZONE ALARM CODES	1	1
ZONE TAMPER CODES	2	2
<i>not used</i>	3	3
ZONE VIOLATION CODES	4	4
ZONE RESTORE CODES (end of violation)	5	5
TAMPER RESTORE CODES (end of tamper)	6	6

Note:

The mode of reporting to the both stations with event sorting requires that event assignment to the stations is programmed. Events with no assignment will not be reported even if their reporting codes have been programmed.

Confirm by pressing #

FS69, 70 - REPORTING CODES – PARTITION

EVENT CODES:			FS69 A PARTITION	FS70 B PARTITION
the code number displayed on the AB, AB LED	1	ARMING *		
	2	DISARMING *		
	3	ZONE BYPASS *		
	4	ALARM DURESS		
	5	SILENT ARMING		
	6	ARMING WITH BYPASS		
	7	PARTIAL ARMING		
	8	QUICK ARMING		
	9	ALARM CLEARING		

Note:

- codes marked with * can be extended with the user number (see FS47). For example if the ARMING code is programmed as 10, the panel will report code 11 on arming the partition by User 1, code 12 on arming by User 2 etc.
- Each code should be confirmed by pressing the [#] key.

FS73, 74, 77, 78 - PARTITION EVENTS ASSIGNMENT TO MONITORING STATIONS

			EVENTS REPORTED TO STATION 1			EVENTS REPORTED TO STATION 2	
			FS73 A PARTITION	FS74 B PARTITION		FS77 A PARTITION	FS78 B PARTITION
the lower B LED is blinking	1	ARMING			first set		
	2	DISARMING					
	3	ZONE BYPASS					
	4	ALARM DURESS					
	5	SILENT ARMING					
	6	ARMING WITH BYPASS					
	7	PARTIAL ARMING					
	8	QUICK ARMING					
the A LED is blinking	1	EXIT/ENTER (GUARD ROUND)			second set		
	2	NO GUARD ROUND					
	3	ALARM CLEARING					

Confirm by pressing #

Note: Event codes 1 and 2 of the second set of events assignment are programmed by means of FS126 service function, the rest of codes is programmed using FS69 and 70.

FS 81+84 - REPORTING CODES – SYSTEM AND ASSIGMENT TO MONITORING STATION

SYSTEM EVENTS I PART		FS 81 EVENT CODES:	REPORTED TO		
			STATION 1 FS 83	STATION 2 FS 84	
1	AC LOSS				1
2	AC POWER RESTORE				2
3	BATTERY TROUBLE				3
4	BATTERY RESTORE				4
5	OUTPUT 1 TROUBLE				5
6	OUTPUT 1 RESTORE				6
7	OUTPUT 2 TROUBLE				7
8	OUTPUT 2 RESTORE				8
9	OUTPUT 3 TROUBLE				1
10	OUTPUT 3 RESTORE				2
11	SERVICE MODE START				3
12	SERVICE MODE END				4
13	DOWNLOADING - START				5
14	DOWNLOADING - END				6

FIRST SET

SECOND SET

SYSTEM EVENTS II PART		FS 82 EVENT CODES:	REPORTED TO (contd.)		
			STATION 1 FS 83	STATION 2 FS 84	
1	KEYPAD SUPPLY TROUBLE				
2	KEYPAD SUPPLY RESTORE				
3	REPORTING TROUBLE				
4	STATION BUFFER OVERFLOW				
5	CLOCK LOSS				
6	RAM MEMORY ERROR				
7	PANEL RESTART				
8	PERIODICAL REPORTING TEST				
9	CLOCK SETTING *				
10	FIRE (FROM KPD)				1
11	PANIC (FROM KPD)				2
12	MEDICAL ALARM. (FROM KPD)				3
13	ALARM KEYPAD TAMPER				4
14	ALARM 3 INCORRECT CODES				5

THIRD SET

Note:
 When monitoring with events sorting is enabled, the system events, **set II 1-9**, are always sent to the both stations. Codes marked with * can be extended with the user number (see FS47).

FS85 - TEST TRANSMISSION TIME

by default |9999|000000|000000|

1) Everyday at |__|__|#|__|__|#

2) Every |__|__|#|__|__|#|__|__|#
from last transmission

3) Every |__|__|#|__|__|#|__|__|#
from last transmission when armed

1) Program from 00:00 up to 23:59; 99:99 value disables test transmissions.

2) The number of: days, hours, minute; 00:00:00 value disables test transmissions.

3) The number of: days, hours, minute; 00:00:00 value disables test transmissions. If the transmission is disabled then irrespective of the control panel state (armed or disarmed) the second time is chosen.

FS86 - AC LOSS REPORT DELAY (01-99 minutes)

|__|__|#

by default |10|

FS87 - TELEPHONE NUMBER 1

|__|__|#|__|__|#|__|__|#|__|__|#|__|__|#|__|__|#|__|__|#|__|__|#

FS88 - TELEPHONE NUMBER 2

|__|__|#|__|__|#|__|__|#|__|__|#|__|__|#|__|__|#|__|__|#|__|__|#

FS89 - TELEPHONE NUMBER 3

|__|__|#|__|__|#|__|__|#|__|__|#|__|__|#|__|__|#|__|__|#|__|__|#

FS90 - TELEPHONE NUMBER 4

|__|__|#|__|__|#|__|__|#|__|__|#|__|__|#|__|__|#|__|__|#|__|__|#

*by default all numbers cleared = |A|A|#|A|A|#|A|A|#|A|A|#|A|A|#|A|A|#|A|A|#|A|A|#
see: FS4*

FS95 - ASSIGNMENT OF PARTITIONS AND MESSAGES TO TELEPHONE NUMBERS

		AB-AB LEDs			
		1	2	3	4
1-6 LEDs	1 A Partition				
	2 B Partition				
	3 not used				
	4 not used				
	5 Message 1 (for PAGER)				
	6 Message 2 (for PAGER)				

Note:

- The LEDs show the assignment of partition or message.
- if no pager message assignment is made the message will be sent by a voice synthesizer.

Confirm by pressing #

FS106 - TIMER FUNCTIONS

TIMER 1	<input type="text"/>
TIMER 2	<input type="text"/>

Confirm by pressing #

TIMER 3	<input type="text"/>
TIMER 4	<input type="text"/>

Confirm by pressing #

- 0 – timer not used
- 1 – control OUT 1
- 2 – control OUT 2
- 3 – control OUT 3
- 4 – control OUT 4
- 5 – control OUT 5

TIMER FUNCTIONS:

- 6 – not used
- 7 – round partition
- 8 – arming/disarming A partition
- 9 – arming/disarming B partition

Note:

Timer 1 with function "round partition" (no. 7) controls A partition, timer 2 – B partition. Do not program the partition guard rounds control function for timers 3 and 4.

FS107 - RESTORE DEFAULT SETTINGS

FS108 - CLEAR EVENT LOG

FS109 - RESTORE DEFAULT COMMUNICATION PASSWORDS

FS110 - RESTORE DEFAULT CODES

FS111 - KEYPAD ADDRESS

LEDs 1 to 4 corresponds to the jumper settings.

					<i>the lower B LED is blinking</i>	
Keypad address	<i>LED numbers</i>	1	<input type="text"/>	A	<i>keypad jumpers</i>	
		2	<input type="text"/>	B		
		3	<input type="text"/>	C		
		4	<input type="text"/>	D		

Confirm by pressing #

FS112 - START OF PROGRAMMING FROM COMPUTER IN LOCAL MODE

FS117 - TELEPHONE LINE LOSS DELAY (from 00 up to 99 minutes) ||#

by default |00|

FS118 - PARAMETERS OF PAGER STATION SIGNALS

program: |3|B|#|4|2|#|0|B|#|0|F|#|0|1|#|7|D|# for POLPAGER system |__|
2	B	#	2	E	#	0	E	#	1	4	#	3	0	#	3	A	# for TELEPAGE system	__
3	7	#	3	D	#	0	7	#	0	B	#	B	6	#	C	8	# for EASY CALL system	__
1	6	#	1	A	#	1	3	#	1	7	#	0	B	#	0	F	# for METRO-BEEP system	__

FS123 - COUNTER COUNT-UP TIMES (from 0 up to 255 sec.)

by default |30|30|30|

COUNTER	1	2	3
COUNT TIME	_ _	_ _	_ _

Confirm by pressing #

FS124 - AUTOMATIC READOUT OF KEYPAD ADDRESS

FS125 - CTL INPUT FUNCTIONS

|__|__|#

by default |00|

INPUT FUNCTION (first digit, from 0 to 7)

- 0 – Not used
- 1 – Arming
- 2 – Disarming
- 3 – FIRE alarm
- 4 – PANIC alarm
- 5 – Alarm AUX.
- 6 – Arming / Disarming
- 7 – Alarm cancelling (without disarming)

RANGE (second digit, from 0 to 3)

- 0 – Not used
- 1 – Partition A
- 2 – Partition B
- 3 – Partition A and B

FS126 - GUARD CONTROL CODES

code nr. indicated on ABAB LED	1	EXIT/ENTER A PARTITION (ENTERING A PARTITION GUARD CODE)	*	_ _
	2	EXIT/ENTER B PARTITION (ENTERING B PARTITION GUARD CODE)	*	_ _
	3	NO GUARD ROUND –A PARTITION		_ _
	4	NO GUARD ROUND –B PARTITION		_ _

Note:

- Codes marked with * can be extended by a control panel with user number (see FS47).
- Each code should be confirmed by pressing the [#] key.

FS127, 128 - ZONES BYPASSED ON NO EXIT FROM SITE (see: FS16÷19)**FS131 - ADDITIONAL OPTIONS**

FIRST SET (the lower B LED is blinking)		SECOND SET (the lower A LED is blinking)	
1	hardware entering service mode blocked	1	disable arming if battery trouble
2	hardware start of downloading disabled	2	automatic clearing zone Auto-Reset
3	pulse dialing ration 1:1,5 (if off: 1:2)	3	<i>not used</i>
4	remote control module supported (MST-1)	4	<i>not used</i>

Confirm by pressing #

Confirm by pressing #

FS132 - CLOCK CORRECTION

|_|_|

by default |00|

The range of possible correction: -19 - +19 seconds:

01 to 19 - positive value from 1s up to 19s

00 - no correction

81 to 99 - negative value from 1s up to 19s

FS 133 - REVIEWING CONTROL PANEL REAL-TIME CLOCK (no change possible).

History Of Manual Updates

The changes described refer to the manual drawn up for the CA-6 v5.05 control panel.

DATE	VERSION	DESCRIPTION OF CHANGES
June 2007	6.06	Possibility of programming the special characters (*, #, a, b, c, d) in the telephone number has been added. Arming is impossible, if the zone with activated PRIORITY option is violated or tampered (p. 4). A new parameter which enables to set a separate time of the test transmission when system is armed (p. 11) and a new option „only 3 test transmission events” (FS 5, option no. 5 of the first set, p. 1) have been added.

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