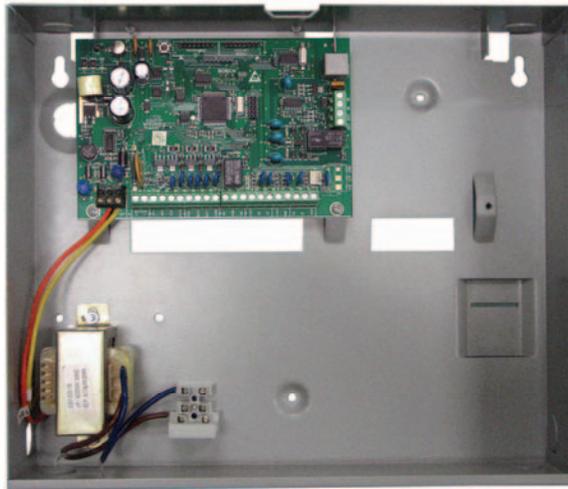


ICP-CC404



Quick Reference Guide
ICP-CC404
EN Control Panel



BOSCH

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1.0 Introduction

Thank you for choosing the ICP-CC404 Control Panel for your installation. This system is extremely flexible, reliable, and easy to use. This quick reference guide is supplied with the system to provide enough basic information to wire, configure, and program the system. Due to the system's many programmable features and options, get the complete *Installation Guide* (P/N: F01U089401) that provides detailed information on system options, functions, and programming methods.

2.0 Programming

The programming options of the system are stored in a non-volatile EPROM. This memory holds all information during a total power loss. You can change the information as many times as necessary.

The entire programming sequence consists of entering a location number and changing the data as required.

Use the following methods to program the system:

- Codepad
- Alarm Link Software

2.1 Programming Using a Codepad

Before you can program the system, the system must be disarmed (with no active alarm). If there is an active alarm or the system is armed, enter the Master Code (default = 2580) and press [#].

Table 1 on page 4 shows a quick guide to programming:

To enter Installer's Programming Mode, enter the installer code (default = 1234) and press [#]. Two beeps sound and both the STAY and AWAY indicators flash simultaneously. The codepad indicators show the data programmed in Location 000 (the first location of the Primary Telephone Number). Refer to *Table 3* on page 5.

To move to another programming location, enter the location number and press [#].

The codepad indicators show the data in the new location (for example, enter [3 4 #] to move to Location 034, the first location of the Subscriber ID Number For Receiver 1).

To move to the next location, press [#].

The codepad indicators show the data in the next location (for example, if you are positioned at Location 034, press [#] to move to Location 035).

To move back one position, press [*] (for example, if you are currently positioned at Location 35, pressing [*] takes you back to Location 34).

To change the data programmed in the current location, enter the new value (0 to 15) and press [*]. The codepad indicators show the new value. For example, if you enter [1 4 *], both the Zone 4 and the MAINS indicators light to show the new value).

To exit from Installer's Programming Mode, enter [9 6 0 #].

Two beeps sound and the STAY and AWAY indicators turn off. The system is returned to the disarmed state, ready for use.

Table 1: Quick Guide to Programming

Task	Keys to Press
Enter Installer's Programming Mode	[1 2 3 4 #]
Exit from Installer's Programming Mode	[9 6 0 #]
Move to the next location	[#]
Move to the previous location	[*]
Program data into the location	[Data][*] (Data = 0 to 15)
Move to another location	[Location number][#]

2.2 Programming Option Bits

Some parameters provide up to four options. Use option bits to program any combination of the options in one location. To select a combination of options, add the option numbers together. Program a 0 to disable all options.

Example

To program options 1 and 4 for Location 177, add the numbers together and program the sum. In this example, program 5 (1 + 4 = 5).

Table 2: Programming Option Bits Example

Option	Description
1	Dialer reporting functions allowed.
2	Remote arming by telephone allowed.
4	Answering machine bypass only when armed.
8	Use Bell 103 for FSK format (disabled = CCITT V21).

Table 3: Codepad Indicators

Data Value	Zone 1 Indicator	Zone 2 Indicator	Zone 3 Indicator	Zone 4 Indicator	Zone 5 Indicator	Zone 6 Indicator	Zone 7 Indicator	Zone 8 Indicator	MAINS Indicator
0									
1	X								
2		X							
3			X						
4				X					
5					X				
6						X			
7							X		
8								X	
9	X							X	
10									X
11	X								X
12		X							X
13			X						X
14				X					X
15					X				X

2.3 Installer's Programming Commands

Installer's programming commands are used only in Installer's Programming Mode.

To execute an installer's command, enter the command and press [#].

Table 4 on page 5 shows the installer's programming commands.

Table 4: Installer's Programming Commands

Command	Description
959	Test programming key
960	Exit from Installer's Programming Mode
961	Default system back to factory settings
962	Copy control panel memory to programming key
963	Copy programming key to control panel memory
964	Erase programming key
965	Default system for domestic dialing format
966	Enable/disable automatic stepping of locations when programming
999	Display software version

3.0 Using the System

3.1 Arm the System (On)

3.1.1 AWAY Mode

1. Press and hold [#] until two beeps sound.
Or
 - Enter your code and press [#] (for example, [2 5 8 0 #]).

3.1.2 STAY Mode 1

1. Press and hold [*] until two beeps sound.
Or
 - Enter your code and press [*] (for example, [2 5 8 0 *]).

3.1.3 STAY Mode 2

Press and hold [0] until two beeps sound.

3.2 Disarm the System (Off)

3.2.1 AWAY Mode

Enter your code and press [#] (for example, [2 5 8 0 #]).

3.2.2 STAY Mode 1

1. Press and hold [*] until two beeps sound (only if no alarm).
Or
 - Enter your code and press [#] (for example, [2 5 8 0 #]).

3.2.3 STAY Mode 2

1. Press and hold [0] until two beeps sound (only if no alarm).
Or
 - Enter your code and press [#] (for example, [2 5 8 0 #]).

3.3 Isolating Zones

3.3.1 Standard Isolating

1. Press [*] twice.
2. Enter the zone number to isolate and press [*]. Repeat *Step 2* to select other zones.
3. Press [#].

3.3.2 Code to Isolate

1. Press [*].
2. Enter your user code and press [*].
3. Enter the zone number to isolate and press [*]. Repeat *Step 3* to select other zones.
4. Press [#] to exit.

3.4 Set First Test Report

1. Enter the Installer Code and press [1 #] (for example, [1 2 3 4 1 #]).
2. Enter the number of days (0 to 15) to wait until the first Test Report, and press [#].

3.5 Event Memory Recall

Enter the Installer Code and press [8 #] keys (for example, [1 2 3 4 8 #]).

The last 40 events appear in reverse order (most recent to least recent).

3.6 Walk Test Mode

1. Enter the Installer Code or Master Code and press [7 #] (for example, [1 2 3 4 7 #]).
2. Test each zone.
3. Press [#] to exit.

3.7 Satellite Siren Service Mode

Enter the Installer Code and press [5 #] (for example, [1 2 3 4 5 #]).

3.8 Telephone Monitor Mode (Toggle On/Off)

1. Enter the Installer Code and press [6 #] (for example, [1 2 3 4 6 #]).
2. To send a Test Report, press and hold [9] until two beeps sound.
The codepad indicators show the dialing events (refer to *Table 5* on page 6).
3. Enter the Installer Code and press [6 #] to turn Telephone Monitor Mode off.



You must exit from Telephone Monitor Mode to resume normal operations.

Table 5: Telephone Monitor Mode Zone LEDs

Zone LED	Dialing Event
1	Telephone line seized
2	Dialing telephone number
3	Handshake received
4	Data being sent
5	Kiss-off received
None	Released telephone line

3.9 Add/Delete User Code/RF Keyfob**3.9.1 Add a User Code**

1. Enter the Master Code and press [1 #] (for example, [2 5 8 0 1 #]).
2. Enter the user number (1 to 16) to add, and press [#].
3. Enter the new code and press [#].

3.9.2 Add an RF Keyfob

1. Enter the Master Code and press [1 #] (for example, [2 5 8 0 1 #]).
2. Enter the user number (9 to 16) to add, and press [#].
4. Press the RF keyfob until hearing two beeps. The RF keyfob is added. Refer to the *ICP-CC404 Installation Guide* for more details.



You can only program User Codes 9 to 16 as RF users.

3.9.3 Delete a User Code/RF Keyfob

1. Enter the Master Code and press [1 #] (for example, [2 5 8 0 1 #]).
2. Enter the user number (1 to 16) to delete, and press [#].
3. Press [*] to delete the user code.

3.10 Change Domestic Telephone Numbers

1. Enter the Installer Code or Master Code and press [2 #] (for example, [1 2 3 4 2 #]).
2. Enter the digits of the telephone number.
3. If there is more than one telephone number, enter [* 4] (which inserts a break between phone numbers), then repeat *Step 2*.
4. Press [#] to exit.

3.11 Turn Outputs On/Off

1. Enter the Master Code and press [5 #] (for example, [2 5 8 0 5 #]).
2. Enter the output number (1 to 3).
3. Press [#] to toggle the output on, or [*] to toggle the output off.
4. Press [#] to exit.

3.12 Setting Date and Time

1. Enter the Master Code and press [6 #] (for example, [2 5 8 0 6 #]).
2. Enter the day (DD), month (MM), year (YY), hour (HH) and minute (MM).
3. Press [#] to exit.

3.13 Day Alarm – Toggle On/Off

Press and hold [4] until two beeps sound. Day alarm toggles on or off.

3.14 Program STAY Mode 2 Zones

1. Enter the Installer Code or Master Code and press [4 #] (for example, [1 2 3 4 4 #]).
2. Enter the zone number to automatically isolate, and press [*].
3. Repeat Step 2 to program other zones.
4. Press [#] to exit.

3.15 Fault Analysis

1. Press and hold [5] until two beeps sound.
2. The zone indicators show the fault condition. Refer to *Table 6* on page 7.
3. Press [#] to exit.

Table 6: Fault Condition Indicators

Zone LED	FAULT Condition
1	Battery low
2	Date/time reset
3	Sensor watch fail
4	Horn speaker fail
5	Telephone line fail
6	EEPROM fail
7	AUX Power Supply fail
8	Communication fail

3.16 Modem Call (Alarm Link)

Press and hold [6] until two beeps sound.

3.17 Reset Latching Outputs

Press and hold [7] until two beeps sound.

3.18 Set the Codepad ID/Buzzer Tone

1. Press and hold [8] until the desired buzzer tone sounds.
2. Press [#] to exit.

3.19 Test Report

Press and hold [9] until two beeps sound.

3.20 Speaker Test

Press and hold [1] until two beeps sound. The speaker sounds for 2 sec.

3.21 Bell Test

Press and hold [2] until two beeps sound. The piezo siren sounds for 2 sec.

3.22 Strobe Test (Toggle On/Off)

1. To turn the strobe on, press and hold [3] until three beeps sound.
2. To turn the strobe off, press and hold [3] until two beeps sound.

3.23 Telco Arm Sequence (Call Forward On)

1. Enter the Installer Code or Master Code and press [3 #] (for example, [1 2 3 4 3 #]).
2. Enter [1 #].
3. Enter the Call Forward On sequence.
4. Press [#] to exit.

3.24 Telco Disarm Sequence (Call Forward Off)

1. Enter the Installer Code or Master Code and press [3 #] (for example, [1 2 3 4 3 #]).
2. Enter [2 #].
3. Enter the Call Forward Off sequence.
4. Press [#] to exit.

4.0 Programming Parameters

Location Function	Options/Notes	Default
000 to 015 Phone Number 1 - Receiver 1	0 = 10 and telephone termination = 0 anywhere else 0 = 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
016 to 031 Phone Number 2 - Receiver 1	0 = 10 and telephone termination = 0 anywhere else 0 = 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
032 Handshake Tone – Receiver 1	1 HI-LO handshake (contact ID) 2 1400 Hz (Ademco TX @ 1900 Hz) 3 2300 Hz (Sescoa TX @ 1800 Hz)	4 No handshake 5 Pager 1
033 Transmission Format – Receiver 1	1 Contact ID 2 4 + 2 express 3 FSK 300 baud	4 Domestic 5 Basic pager 1
034 to 039 Subscriber ID Number – Receiver 1	Right justified	0 0 0 0 0 0
040 to 055 Phone Number 1 - Receiver 2	0 = 10 and telephone termination = 0 anywhere else 0 = 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
056 to 071 Phone Number 2 - Receiver 2	0 = 10 and telephone termination = 0 anywhere else 0 = 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
072 Handshake Tone – Receiver 2	1 HI-LO handshake (contact ID) 2 1400 Hz (Ademco TX @ 1900 Hz) 3 2300 Hz (Sescoa TX @ 1800 Hz)	4 No handshake 5 Pager 1
073 Transmission Format – Receiver 2	1 Contact ID 2 4 + 2 express 3 FSK 300 baud	4 Domestic 5 Basic pager 1
074 to 079 Subscriber ID Number – Receiver 2	Right justified	0 0 0 0 0 0
080 Dialing Format	1 Australian DTMF 2 Australian decadic 3 Alternate DTMF and Australian decadic	4 International DTMF 5 Reversed decadic 6 Alternate DTMF and reversed decadic 1
113 to 142 Telco Arming Sequence (Call Forward On)		0 0
143 to 158 Telco Disarm Sequence (Call Forward Off)		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
159 to 174 Call Back Telephone Number	0 = 10 and telephone termination = 0 anywhere else 0 = 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
175 Ring Count	0 Control panel does not answer 1 to 13 Number of rings until control panel answers 14 Answering machine bypass 2 15 Answering machine bypass 1	8
176 Telephone Line Fail Options	1 Display FAULT indicator when telephone line fails 2 Sound alarm when system arms 4 Sound alarm when system disarms Options 2 and 4 must be used in conjunction with Option 1 (for example, program 1, 3, 5, or 7).	0
177 Dialer Options 1	1 Dialer reporting functions allowed 2 Remote arming by telephone allowed 4 Answering machine bypass only when armed 8 Bell 103 used for FSK format (Disabled = CCITT V21)	9
178 Dialer Options 2	1 Open/Close Reports only if previous alarm 2 Open/Close Reports for STAY Mode 1 and STAY Mode 2 4 Delay siren until transmission complete 8 Extend handshake wait time from 30 sec to 60 sec	0

Location Function	Options/Notes				Default						
179 Dialer Options 3	1	Set DTMF dialing pulses to 1 digit/sec			0						
	2	Reserved									
	4	Change decadic dialing to 60/40									
	8	Reserved									
180 Alarm Link Options	1	Upload/download allowed			3						
	2	Call back phone number required for upload/download									
	4	Exit upload/download connection on alarm									
	8	Reserved									
181 to 184 Installer Code					1 2 3 4						
185 to 264 User Codes	* The fifth location in each user code is the authority level:										
0	Arm/disarm	User #01 (185 to 189)	2	5	8	0	10*				
1	Arm only	User #02 (190 to 194)	15	15	15	15	2*				
2	Arm/disarm and open/close reports	User #03 (195 to 199)	15	15	15	15	2*				
3	Arm only and close reports	User #04 (200 to 204)	15	15	15	15	2*				
4	Arm/disarm and code required to isolate	User #05 (205 to 209)	15	15	15	15	2*				
6	Arm/disarm and open/close reports and code required to isolate	User #06 (210 to 214)	15	15	15	15	2*				
8	Master code and arm/disarm	User #07 (215 to 219)	15	15	15	15	2*				
10	Master code and arm/disarm and open/close reports	User #08 (220 to 224)	0	15	15	15	3*				
12	Master code and arm/disarm and code required to isolate	RF User #09 (225 to 229)	15	15	15	15	2*				
14	Master code and arm/disarm and code required to isolate and open/close reports	RF User #10 (230 to 234)	15	15	15	15	2*				
		RF User #11 (235 to 239)	15	15	15	15	2*				
		RF User #12 (240 to 244)	15	15	15	15	2*				
		RF User #13 (245 to 249)	15	15	15	15	2*				
		RF User #14 (250 to 254)	15	15	15	15	2*				
		RF User #15 (255 to 259)	15	15	15	15	2*				
		RF User #16 (260 to 264)	15	15	15	15	2*				
265 Day Alarm Zones	1	Zone 1	4	Zone 3			0				
	2	Zone 2	8	Zone 4							
266 EOL Resistor Value	0	No EOL	4	3K3	8	6K8	12	Reserved	15		
	1	1K	5	3K9	9	10K	13	Reserved			
	2	1K5	6	4K7	10	12K	14	Reserved			
	3	2K2	7	5K6	11	22K	15	Split EOL (3K3/6K8)			
267 to 322 Zone Defaults	Zone #01 (Default = Delay 1) (267 to 273)				2	0	0	1	14	1	1
	Zone #02 (Default = Handover) (274 to 280)				1	0	0	1	14	1	1
	Zone #03 (Default = Handover) (281 to 287)				1	0	0	1	14	1	1
	Zone #04 (Default = Instant) (288 to 294)				0	0	0	1	14	1	1
	Zone #05 (Default = Fixed 24-hr burglary) (295 to 301)				12	0	0	1	12	1	1
	Zone #06 (Default = Fixed 24-hr burglary) (302 to 308)				12	0	0	1	12	1	1
	Zone #07 (Default = Fixed 24-hr fire) (309 to 315)				13	0	0	1	12	1	1
	Zone #08 (Default = Fixed Tamper) (316 to 322)				9	0	0	1	12	1	1
The first location (from the left) of the zone definition is the Zone Type. The options are:											
0	Instant	4	Reserved	8	24-hour hold-up	12	24-hour burglary				
1	Handover	5	Reserved	9	24-hour tamper	13	24-hour fire				
2	Delay 1	6	24-hour medical	10	Reserved	14	Chime				
3	Delay 2	7	24-hour panic	11	Keypad	15	Not used				
The second location of the zone definition is the Zone Pulse Count. Use the pulse count to program the number of pulses (0 to 15) that must register within the pulse count time to activate an alarm.											
The third location (from the left) of the zone definition is the Zone Pulse Count Time. The options are:											
20 ms Loop Response Time:						150 ms Loop Response Time:					
0	0.5 sec	4	4 sec	8	20 sec	12	60 sec				
1	1 sec	5	5 sec	9	30 sec	13	90 sec				
2	2 sec	6	10 sec	10	40 sec	14	120 sec				
3	3 sec	7	15 sec	11	50 sec	15	200 sec				
The fourth location of the zone definition is the Zone Options 1 parameter. The options are:											
1	Lockout siren/dialer	4	Silent alarm								
2	Delay Alarm Report	8	Sensor watch								

Location Function	Options/Notes	Default																														
267 to 322 Zone Defaults (continued)	<p>The fifth location of the zone definition is the Zone Options 2 parameter. The options are:</p> <table> <tr> <td>1 Isolated in STAY Mode</td> <td>4 Forced arming allowed</td> </tr> <tr> <td>2 Zone isolation allowed</td> <td>8 Zone Restore Report allowed</td> </tr> </table> <p>The sixth location of the zone definition is the Report Code. The options are:</p> <table> <tr> <td>0 Do not send Zone Alarm Reports</td> <td></td> </tr> <tr> <td>1 Send Zone Alarm Reports</td> <td></td> </tr> </table> <p>The seventh location of the zone definition is the Zone Dialer Options parameter. The options are:</p> <table> <tr> <td>0 No Zone Reports allowed</td> <td>4 Report to both Receiver 1 and Receiver 2</td> </tr> <tr> <td>1 Report to Receiver 1</td> <td>8 Report to Receiver 2 only if Receiver 1 fails</td> </tr> <tr> <td>2 Report to Receiver 2</td> <td></td> </tr> </table> <p>The keyswitch zone options replace Zone Options 1 for zones programmed to operate as keyswitch zones (Zone Type = 11). The options are:</p> <table> <tr> <td>0 Latching arm and disarm in AWAY Mode</td> <td>8 Momentary arm and disarm in AWAY Mode</td> </tr> <tr> <td>1 Latching arm in AWAY Mode</td> <td></td> </tr> <tr> <td>2 Latching disarm from AWAY Mode or STAY Mode</td> <td>9 Momentary arm In AWAY Mode</td> </tr> <tr> <td></td> <td>10 Momentary disarm from AWAY Mode or STAY Mode</td> </tr> <tr> <td>4 Latching arm and disarm in STAY Mode</td> <td></td> </tr> <tr> <td>5 Latching arm in STAY Mode</td> <td>12 Momentary arm and disarm in STAY Mode</td> </tr> <tr> <td>6 Latching disarm from STAY Mode</td> <td>13 Momentary arm in STAY Mode</td> </tr> <tr> <td></td> <td>14 Momentary disarm from STAY Mode</td> </tr> </table>	1 Isolated in STAY Mode	4 Forced arming allowed	2 Zone isolation allowed	8 Zone Restore Report allowed	0 Do not send Zone Alarm Reports		1 Send Zone Alarm Reports		0 No Zone Reports allowed	4 Report to both Receiver 1 and Receiver 2	1 Report to Receiver 1	8 Report to Receiver 2 only if Receiver 1 fails	2 Report to Receiver 2		0 Latching arm and disarm in AWAY Mode	8 Momentary arm and disarm in AWAY Mode	1 Latching arm in AWAY Mode		2 Latching disarm from AWAY Mode or STAY Mode	9 Momentary arm In AWAY Mode		10 Momentary disarm from AWAY Mode or STAY Mode	4 Latching arm and disarm in STAY Mode		5 Latching arm in STAY Mode	12 Momentary arm and disarm in STAY Mode	6 Latching disarm from STAY Mode	13 Momentary arm in STAY Mode		14 Momentary disarm from STAY Mode	
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323 Swinger Shutdown Count for Siren	1 to 15 Number of times siren operates until lockout	3																														
324 Swinger Shutdown Count for Dialer	1 to 15 Number of times dialer operates until lockout	6																														
325 Zone Bypass Report		9																														
326 Zone Bypass Restore Report		8																														
327 Zone Trouble Report		2																														
328 Zone Trouble Restore Report		3																														
329 Sensor Watch Report		4																														
330 Sensor Watch Restore Report		5																														
331 Zone Alarm Restore Code		14																														
332 Zone Status Reporting Options	<table> <tr> <td>0 No Zone Status Reports allowed</td> <td></td> </tr> <tr> <td>1 Report to Receiver 1</td> <td></td> </tr> <tr> <td>2 Report to Receiver 2</td> <td></td> </tr> <tr> <td>4 Report to both Receiver 1 and Receiver 2</td> <td></td> </tr> <tr> <td>8 Report to Receiver 2 only if Receiver 1 fails</td> <td></td> </tr> </table>	0 No Zone Status Reports allowed		1 Report to Receiver 1		2 Report to Receiver 2		4 Report to both Receiver 1 and Receiver 2		8 Report to Receiver 2 only if Receiver 1 fails		1																				
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334 Close Report		12																														
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336 Codepad Duress Report		6																														
337 to 338 Codepad Panic Report	<table> <tr> <td>Location 337: tens digit</td> <td>7</td> </tr> <tr> <td>Location 338: units digit</td> <td>15</td> </tr> </table>	Location 337: tens digit	7	Location 338: units digit	15																											
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Location 338: units digit	15																															
339 to 340 Codepad Fire Report	<table> <tr> <td>Location 339: tens digit</td> <td>7</td> </tr> <tr> <td>Location 340: units digit</td> <td>14</td> </tr> </table>	Location 339: tens digit	7	Location 340: units digit	14																											
Location 339: tens digit	7																															
Location 340: units digit	14																															
341 to 342 Codepad Medical Report	<table> <tr> <td>Location 341: tens digit</td> <td>7</td> </tr> <tr> <td>Location 342: units digit</td> <td>13</td> </tr> </table>	Location 341: tens digit	7	Location 342: units digit	13																											
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343 Open/Close Reporting Options	<table> <tr> <td>0 No Codepad Alarm Reports allowed</td> <td></td> </tr> <tr> <td>1 Report to Receiver 1</td> <td></td> </tr> <tr> <td>2 Report to Receiver 2</td> <td></td> </tr> <tr> <td>4 Report to both Receiver 1 and Receiver 2</td> <td></td> </tr> <tr> <td>8 Report to Receiver 2 only if Receiver 1 fails</td> <td></td> </tr> </table>	0 No Codepad Alarm Reports allowed		1 Report to Receiver 1		2 Report to Receiver 2		4 Report to both Receiver 1 and Receiver 2		8 Report to Receiver 2 only if Receiver 1 fails		1																				
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344 to 345 System Status – AUX Power Supply Fail Report	<table> <tr> <td>Location 344: tens digit</td> <td>10</td> </tr> <tr> <td>Location 345: units digit</td> <td>3</td> </tr> </table>	Location 344: tens digit	10	Location 345: units digit	3																											
Location 344: tens digit	10																															
Location 345: units digit	3																															

Location Function	Options/Notes	Default
346 to 347 System Status – AUX Power Supply Fail Restore Report	Location 346: tens digit Location 347: units digit	10 8
348 to 349 System Status – AC Fail Report	Location 348: tens digit Location 349: units digit	10 2
350 to 351 System Status – AC Fail Restore Report	Location 350: tens digit Location 351: units digit	10 7
352 to 353 System Status – Low Battery Report	Location 352: tens digit Location 353: units digit	10 1
354 to 355 System Status – Low Battery Restore Report	Location 354: tens digit Location 355: units digit	10 6
356 to 358 System Status – Access Denied (Code Retry)	Location 356: Code retry limit (0 = unlimited) Location 357: tens digit Location 358: units digit	6 7 12
359 System Status Reporting Options	0 No System Status Reports allowed 1 Report to Receiver 1 2 Report to Receiver 2 4 Report to both Receiver 1 and Receiver 2 8 Report to Receiver 2 only if Receiver 1 fails	1
360 to 366 Test Report Time (Automatic)	Location 360: Hour of day (tens digit) Location 361: Hour of day (units digit) Location 362: Minute of day (tens digit) Location 363: Minute of day (units digit) Location 364: Test Report (tens digit) Location 365: Test Report (units digit) Location 366: Repeat interval in days	0 0 0 0 7 1 0
367 Test Reporting Dialer Options	0 No Test Reports allowed 1 Report to Receiver 1 2 Report to Receiver 2 4 Report to both Receiver 1 and Receiver 2 8 Report to Receiver 2 only if Receiver 1 fails	1
368 to 397 Outputs	Output 1 (Default = Horn speaker) (368 to 373) Output 2 (Default = Fire alarm with verification) (374 to 379) Strobe Output (Default = Strobe – reset after 8 hr) (380 to 385) Relay Output (Default = Sirens running) (386 to 391) Codepad Buzzer (Default = Entry/exit plus day alarm) (392 to 397)	1 14 0 0 0 0 2 7 10 2 1 5 2 0 6 4 0 8 1 15 1 0 0 0 0 13 2 1 0 1
The first two locations (from the left) of the output definition provide the Event Code. The options are:		
0 0	EDMSAT – satellite siren (Output 1 only)	1 2 Kiss-off received
0 1	System armed	1 3 AUX Power Supply fail
0 2	System disarmed	1 4 AC fail
0 3	Armed in STAY Mode	1 5 Low battery
0 4	Armed in AWAY Mode	1 6 Horn speaker fail
0 5	Pre-arming alert	1 7 Sensor watch alarm
0 6	Exit Warning (all zones sealed) and entry warning	1 8 Codepad medical alarm
0 7	Exit Warning	1 9 Codepad fire alarm
0 8	Exit Warning finished	1 10 Codepad panic alarm
0 9	Kiss-off after end of Exit Time	1 11 Codepad duress alarm
0 10	Reserved	1 12 Access denied (code retries)
0 11	Entry warning	1 13 Reserved
0 12	Entry warning and day alarm resetting	1 14 Horn speaker (Output 1 only)
0 13	Exit Warning and entry warning and day alarm resetting	1 15 Sirens running
0 14	Day alarm resetting	2 0 Strobe
0 15	Day alarm latching	2 1 Silent alarm
1 0	Day alarm enabled	2 2 Alarm in STAY Mode
1 1	Telephone line fail	2 3 Alarm in AWAY Mode

Location Function	Options/Notes		Default
368 to 397	2 4	System fault	4 5 Chime
Outputs	2 5	Fire alarm (resetting)	4 6 Zone not sealed
(continued)	2 6	Fire alarm (latching)	4 7 Zone not sealed after Exit Time
	2 7	Fire alarm (verification)	4 8 Reserved
	2 8	Remote Control 1	4 9 AC MAINS cycle (60 Hz or 50 Hz)
	2 9	Remote Control 2	4 10 Reserved
	2 10	Remote Control 3	4 11 Reserved
	2 11	Radio Control Output 1	4 12 Reserved
	2 12	Radio Control Output 2	4 13 Reserved
	2 13	Radio Control Output 1 – not in AWAY Mode	4 14 Reserved
	2 14	Radio Control Output 2 – not in AWAY Mode	4 15 Reserved
	2 15	Communications fail after three attempts	5 0 Reserved
	3 0	Communications fail	5 1 Reserved
	3 1	Dialer disabled	5 2 Reserved
	3 2	Dialer active (on-line)	5 3 Reserved
	3 3	Ring detect	5 4 Reserved
	3 4	Reserved	5 5 Reserved
	3 5	Mimic zone 1	5 6 Reserved
	3 6	Mimic zone 2	5 7 Reserved
	3 7	Mimic zone 3	5 8 Reserved
	3 8	Mimic zone 4	5 9 Reserved
	3 9	Mimic zone 5	5 10 Reserved
	3 10	Mimic zone 6	5 11 Reserved
	3 11	Mimic zone 7	5 12 Reserved
	3 12	Mimic zone 8	5 13 Reserved
	4 0	Reserved	5 14 Reserved
	4 1	Reserved	5 15 Reserved
	4 2	Reserved	6 0 Reserved
	4 3	Reserved	6 1 Reserved
	4 4	Reserved	

The third location of the output definition is the output polarity. The options are:

0 Disabled	8 Normally low, going open
1 Normally open, going low	9 Normally low, pulsing open
2 Normally open, pulsing low	10 Normally low, one shot open
3 Normally open, one shot low	11 Normally low, one shot open (reactivate)
4 Normally open, one shot low (reactivate)	12 Normally low, one shot open (can reset)
5 Normally open, one shot low (can reset)	13 Normally low, one shot open (alarm)
6 Normally open, one shot low (alarm)	14 Normally low, latching open
7 Normally open, latching low	

The fourth location of the output definition is the time base. The options are:

1 200 ms	3 1 min
2 1 sec	4 1 hr

The fifth and sixth locations of the output definition provide the time base multiplier. Enter a value between 01 and 99.

One Shot Mode
When you program the output polarity as one shot, the time base is multiplied by the time base multiplier. For example, if the time base = 2 and the multiplier = 05, the output operates for 5 sec.

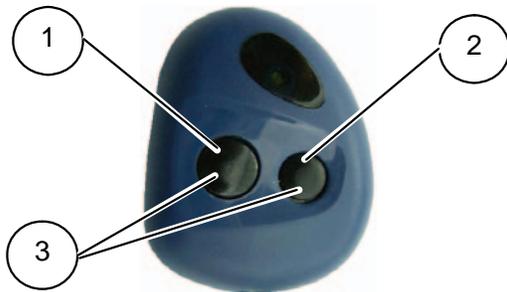
Pulsing Mode
When you program the output polarity as pulsing, the time base becomes the ON time and the multiplier becomes the OFF time. The OFF time is the time base, which is multiplied by the multiplier. For example, if you want the output to pulse 1 sec ON and 5 sec OFF, you would program time base as 2 and the multiplier as 5.

Location Function	Options/Notes	Default
398 to 399 Entry Time 1	Location 398: increments of 1 sec (0 to 15 sec) Location 399: increments of 16 sec (0 to 240 sec)	4 1
400 to 401 Entry Time 2	Location 400: increments of 1 sec (0 to 15 sec) Location 401: increments of 16 sec (0 to 240 sec)	8 2
402 to 403 Exit Time (AWAY/STAY Modes)	Location 402: increments of 1 sec (0 to 15 sec) Location 403: increments of 16 sec (0 to 240 sec)	12 3
404 to 405 Entry Guard Time for STAY Mode	Location 404: increments of 1 sec (0 to 15 sec) Location 405: increments of 16 sec (0 to 240 sec)	0 0
406 to 407 Delay Alarm Report Time	Location 406: increments of 1 sec (0 to 15 sec) Location 407: increments of 16 sec (0 to 240 sec)	0 0
408 to 409 Sensor Watch Time	Location 408: increments of days (tens digit) Location 409: increments of days (units digit)	0 0
410 Codepad Lockout Time	0 No lockout 1 to 15 Increments of 10 sec (10 sec to 150 sec)	0
411 Siren Run Time	0 No siren time 1 to 15 Increments of 1 min (1 min to 15 min)	5
412 Siren Sound Rate	0 (slowest frequency) to 15 (fastest frequency)	7
413 Auto Arming Pre-Alert Time	0 No pre-alert time 1 to 15 Increments of 5 min (5 min to 75 min)	1
414 to 417 Auto Arming Time	Location 414: Hour of day (tens digit) Location 415: Hour of day (units digit) Location 416: Minute of day (tens digit) Location 417: Minute of day (units digit)	0 0 0 0
418 to 421 Auto Disarming Time	Location 418: Hour of day (tens digit) Location 419: Hour of day (units digit) Location 420: Minute of day (tens digit) Location 421: Minute of day (units digit)	0 0 0 0
422 Kiss-Off Wait Time	0 to 15 Increments of 500 ms (500 ms to 8 sec)	3
423 Reserved		0
424 System Options 1	1 Bosch smart lockout allowed 2 Horn speaker monitor 4 Strobe indication for radio arm/disarm 8 Horn speaker beeps for radio arm/disarm	1
425 System Options 2	1 Codepad panic to be silent 2 Codepad fire to be silent 4 Codepad medical to be silent 8 Access denied (code retries) to be silent	0
426 System Options 3	1 AC fail after 1 hr (disabled = after 2 min) 2 Ignore AC fail 4 Pulse count handover allowed 8 Handover delay to be sequential	8
427 System Options 4	1 Control panel to power up disarmed (if power reset) 2 Arm/disarm tracking on power up 4 Internal crystal to keep time 8 Night arm station or RE005 installed	0
428 Consumer Options 1	1 Test reports only when armed 2 Test report after siren reset 4 Auto arm in STAY Mode 1 8 STAY indicator to display day alarm status	0
429 Consumer Options 2	1 Codepad display extinguish after 60 sec 2 Single button arming allowed (AWAY/STAY Modes 1 and 2) 4 Single button disarming allowed (STAY Modes 1 and 2) 8 Alarm memory reset on disarm	2
430 Consumer Options 3	1 Codepad fault beeps allowed 2 Use digit 3 for codepad duress alarm (instead of digit 9) 4 Alarms activate sirens and strobe outputs in STAY Modes 1 and 2 8 Reserved	5

Location Function	Options/Notes	Default
431 Radio Input Options	1 Radio receiver (WE800) 2 Latching keyswitch input 3 Momentary keyswitch input 4 Reserved	0
748 to 749 Reserved		
750 to 751 Country Codes Refer to page 19	Location 750: Country Code (tens digit) Location 751: Country Code (units digit)	0 2 <input type="text"/> <input type="text"/>
900 Default Options	0 Defaulting system allowed 15 Defaulting system disabled	0
901 to 904 System Time	Location 901: Hour of day (tens digit) Location 902: Hour of day (units digit) Location 903: Minute of day (tens digit) Location 904: Minute of day (units digit)	0 0 0 0
905 to 910 System Date	Location 905: Day of the month (tens digit) Location 906: Day of the month (units digit) Location 907: Month of the year (tens digit) Location 908: Month of the year (units digit) Location 909: Current year (tens digit) Location 910: Current year (units digit)	0 1 0 1 0 1

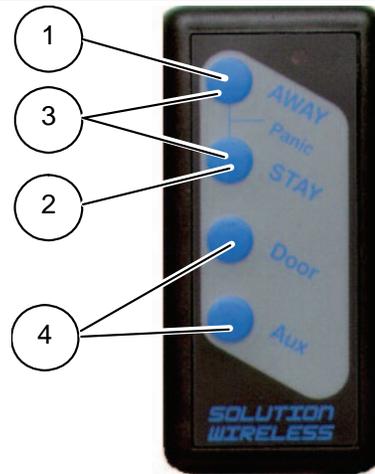
5.0 Two-Channel and Four-Channel Keyfobs

Figure 1: RE012/E: 2-Channel Keyfob Transmitter



- 1 – Button 1: Arm or disarm in AWAY Mode
- 2 – Button 2: Arm or disarm STAY Mode
- 3 – Buttons 1 and 2: Press both buttons at same time to activate Panic alarm..

Figure 2: RE013/E: 4-Channel Keyfob Transmitter



- 1 – Button 1: Arm or disarm in AWAY Mode
- 2 – Button 2: Arm or disarm in STAY Mode
- 3 – Buttons 1 and 2: Press both buttons at same time to activate Panic alarm.
- 4 – Buttons 3 and 4: Your security company can program these buttons for optional operation, such as operating a garage door.

6.0 Wiring Diagrams

Figure 3: Split EOL Wiring Diagram

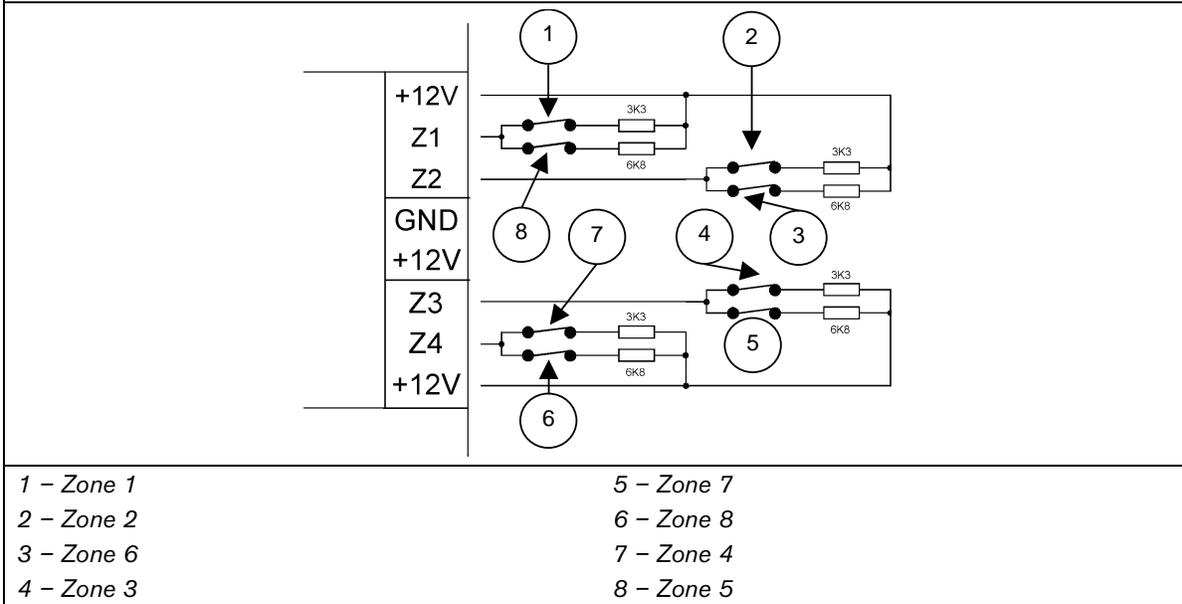


Figure 4: Split EOL Wiring Diagrams Using N/O Contacts

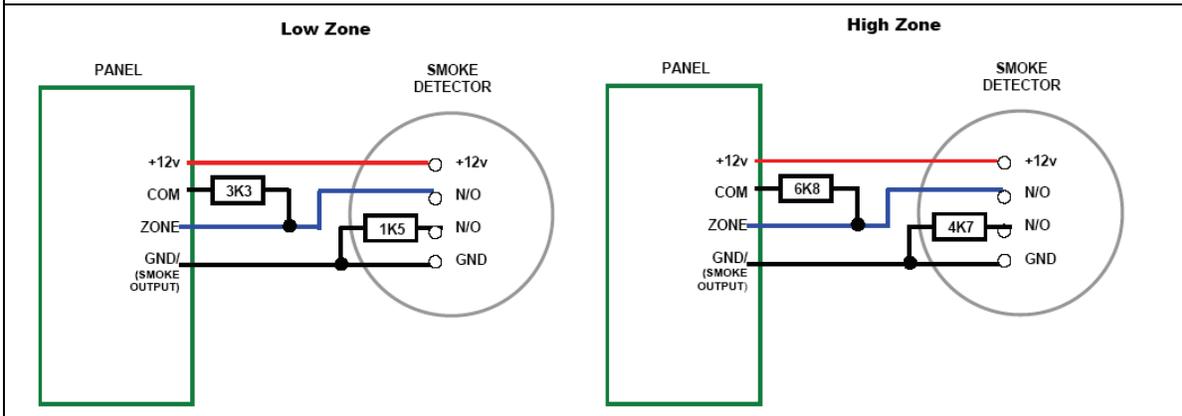


Figure 5: Wiring Diagram for Keyswitch Zone

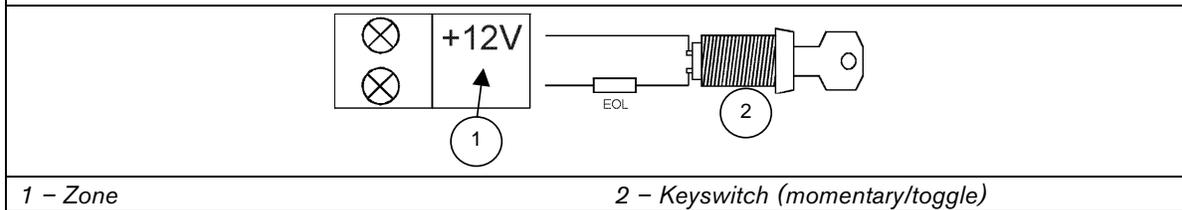
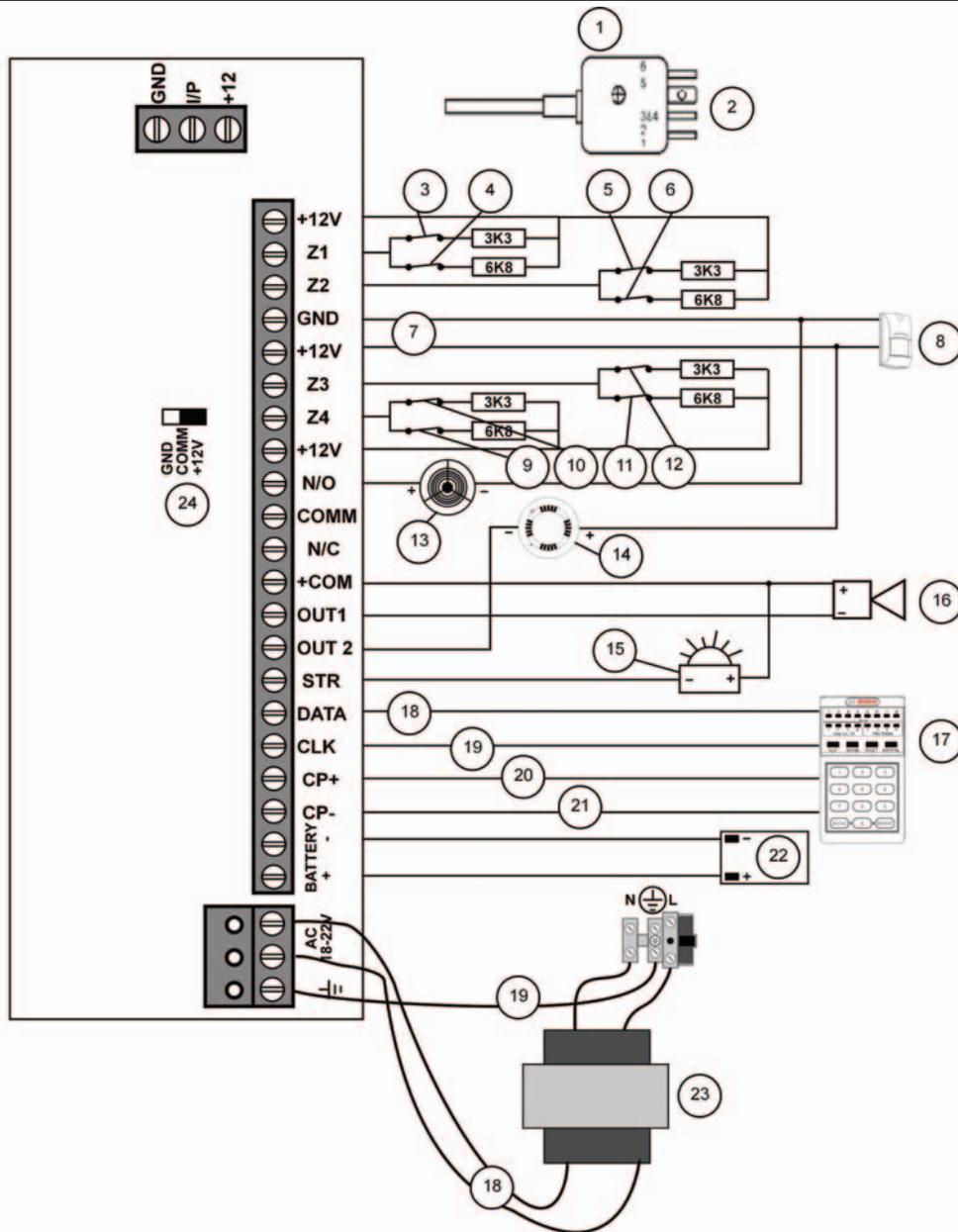


Figure 6: ICP-CC404 Wiring Diagram



- | | | |
|-----------------------------------|---|--|
| 1 - 605 plug | 7 - Power to external equipment:
12 V @ 400 mA | 15 - Strobe |
| 2 - 6 (Red) Telecom line (street) | 8 - PIR | 16 - Horn speaker |
| 5 (Yellow) Internal phone line | 9 - Zone 8 | 17 - Codepad |
| 3 and 4 Not used | 10 - Zone 4 | 18 - Yellow |
| 2 (Black) Telecom line (street) | 11 - Zone 7 | 19 - Green |
| 1 (Green) Internal phone line | 12 - Zone 3 | 20 - Red |
| 3 - Zone 1 | 13 - Piezo siren | 21 - Black |
| 4 - Zone 5 | 14 - Smoke detector | 22 - Battery |
| 5 - Zone 2 | | 23 - 18 VAC 1.3 A plug pack
(TF008) |
| 6 - Zone 6 | | 24 - Link between +12 V and Comm |

Figure 7: ICP-CC404 Component Overlay

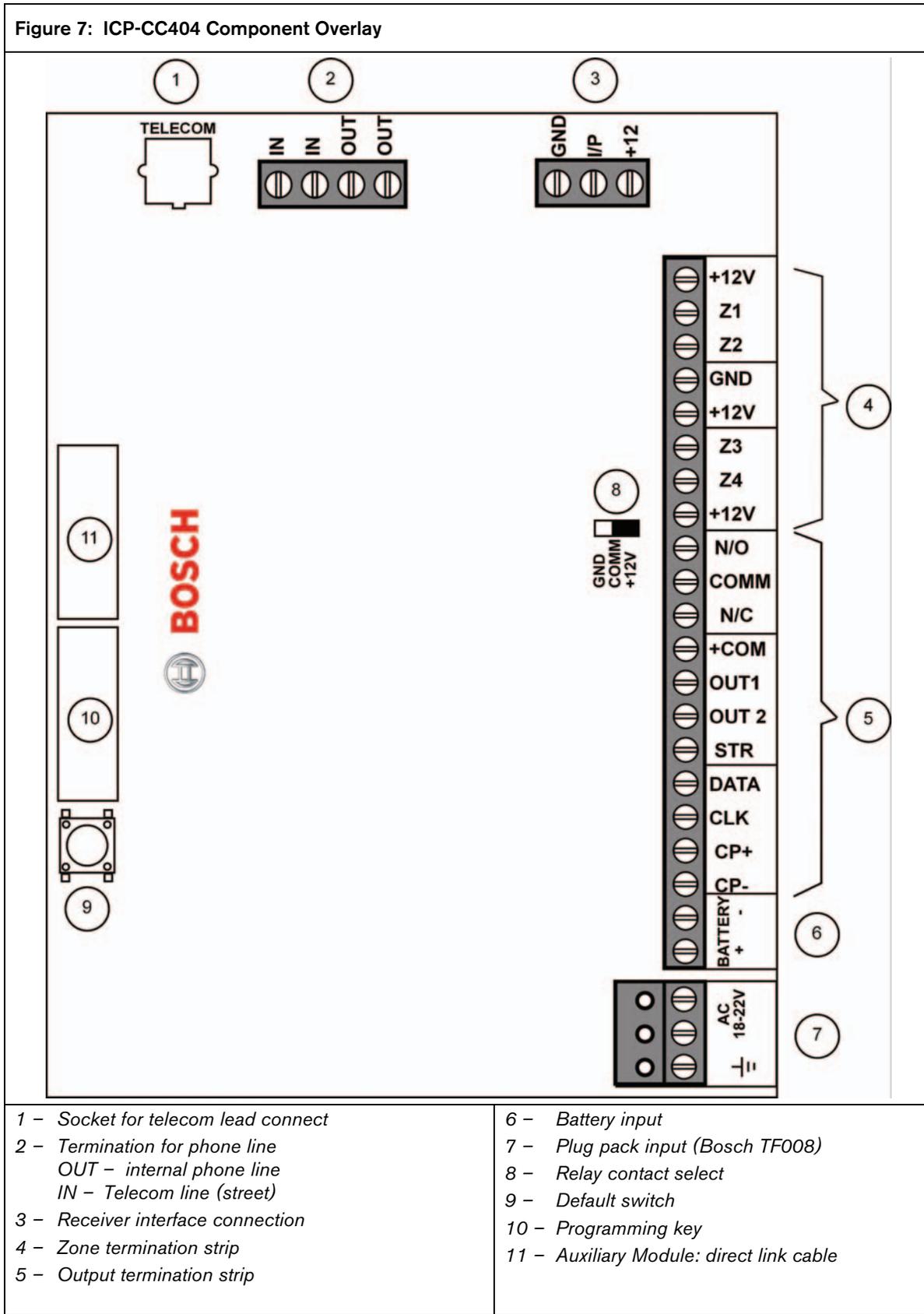
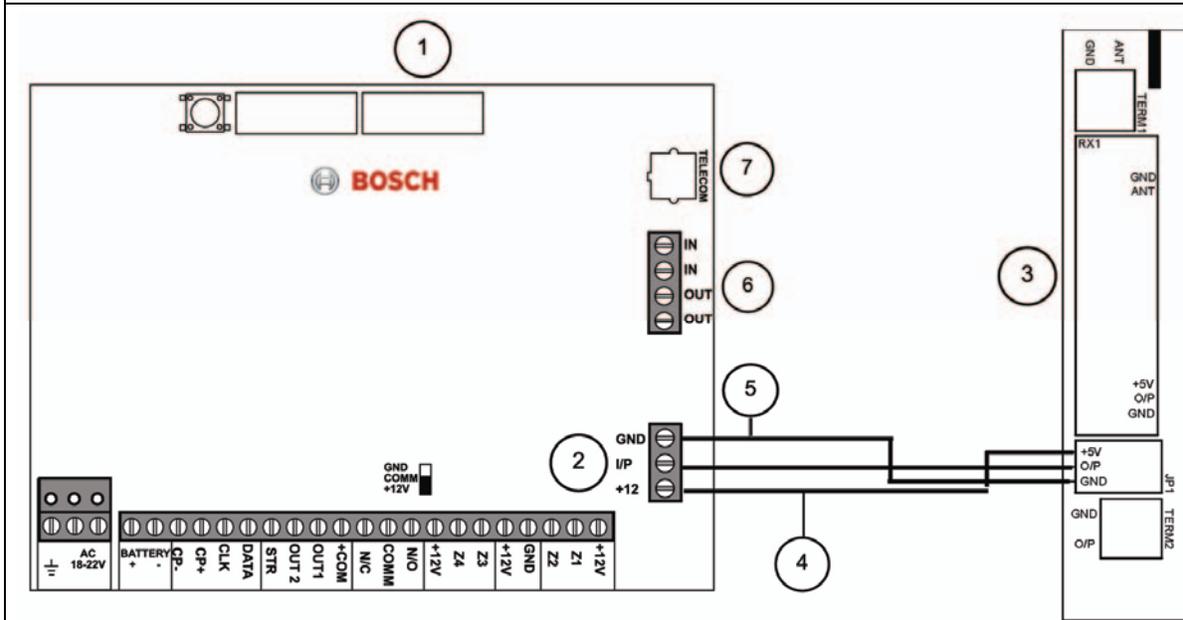


Figure 8: WE800/E Wireless On/Off Interface



- 1 - Direct link cable
- 2 - Receiver interface connection
- 3 - Wireless On/Off Interface
- 4 - Red
- 5 - Black
- 6 - Termination for phone line
- 7 - Socket for telecom lead connection

7.0 Country Codes

The PSTN provides a programmable line interface to meet international telephone line requirements. This program meets various country PTT standards.

Country	Code	Country	Code	Country	Code	Country	Code	Country	Code
Argentina	0 1	Poland	4 1	Liechtenstein	6 3	Gabon	6 5	Papua New Guinea	6 5
Australia	0 2	Portugal	4 2			Gambia	6 5	Paraguay	6 5
Austria	0 3	Romania	4 3	Afghanistan	6 5	Ghana	6 5	Rwanda	6 5
Belgium	0 4	Russian Federation	4 4	Albania	6 5		6 5	St. Lucia	6 5
Brazil	0 5	Saudi Arabia	4 5	Andorra	6 5	Grenada	6 5	Samoa Eastern	6 5
Bulgaria	0 6	Serbia and Montenegro	4 6	Angola	6 5	Guatemala	6 5	San Marino	6 5
Canada	0 7	Singapore	4 7	Antigua and Barbuda	6 5	Guinea	6 5	Sao Tome and Principe	6 5
China	0 8	Slovakia	4 8	Azerbaijan	6 5	Guyana	6 5	Saint Vincent	6 5
Colombia	0 9	Slovenia	4 9	Bahamas	6 5	Haiti	6 5	Senegal	6 5
Croatia	1 0	South Africa	5 0	Bangladesh	6 5	Vatican	6 5	Seychelles	6 5
Cyprus	1 1	Spain	5 1	Barbados	6 5	Honduras	6 5	Sierra Leone	6 5
Czech Republic	1 2	Sweden	5 2	Belize	6 5	Iran	6 5	Solomon Is	6 5
Denmark	1 3	Switzerland	5 3	Benin	6 5	Iraq	6 5	Somali	6 5
Egypt	1 4	Taiwan, China	5 4	Bhutan	6 5	Ivory Coast	6 5	Sri Lanka	6 5
Estonia	1 5	Thailand	5 5	Bolivia	6 5	Jamaica	6 5	Sudan	6 5
Finland	1 6	Turkey	5 6		6 5	Kenya	6 5	Suriname	6 5
France	1 7	United Kingdom	5 7	Botswana	6 5	Kiribati	6 5	Swaziland	6 5
Germany	1 8	United States	5 8	Brunei	6 5	Kuwait	6 5	Tajikistan	6 5
Greece	1 9	Venezuela	5 9	Burkina-faso	6 5	Laos	6 5	Tanzania	6 5
Hong Kong, PRC	2 0	Vietnam	6 0	Burma	6 5	Lesotho	6 5	Togo	6 5
Hungary	2 1			Burundi	6 5	Liberia	6 5	Tuvalu	6 5
India	2 2	Armenia	6 2	Cambodia	6 5	Libya	6 5	Uganda	6 5
Indonesia	2 3	Belarus	6 2	Cameroon	6 5	Madagascar	6 5	United Arab Emirates	6 5
Ireland	2 4	Georgia	6 2	Cape Verde	6 5	Malawi	6 5	Uruguay	6 5
Italy	2 5	Jordan	6 2	Central African Republic	6 5	Maldives	6 5	Uzbekistan	6 5
Japan	2 6	Kazakhstan	6 2	Chad	6 5	Mali	6 5	Vanuatu	6 5
Korea, South	2 7	Kyrgyzstan	6 2	Chile	6 5	Marshall Islands	6 5		
Latvia	2 8	Moldova	6 2	Comoros	6 5	Mauritania	6 5		
Lithuania	2 9	Oman	6 2	Congo	6 5	Mauritius	6 5		
Luxembourg	3 0	Pakistan	6 2	Costa Rica	6 5	Micronesia	6 5		
Macedonia	3 1	Qatar	6 2	Cuba	6 5	Monaco	6 5		
Malaysia	3 2	Syria	6 2	Djibouti	6 5	Mongolia	6 5		
Malta	3 3	Ukraine	6 2	Dominica Rep.	6 5	Mozambique	6 5		
Mexico	3 4			East Timor	6 5	Namibia	6 5		
Netherlands	3 5	Algeria	6 3	Ecuador	6 5	Nauru	6 5		

Country	Code	Country	Code	Country	Code	Country	Code	Country	Code
New Zealand	3 6	Bahrain	6 3	El Salvador	6 5	Nepal	6 5		
Nigeria	3 7	French Polynesia	6 3	Equatorial Guinea	6 5	Nicaragua	6 5		
Norway	3 8	Iceland	6 3	Eritrea	6 5	Niger	6 5		
Peru	3 9	Israel	6 3	Ethiopia	6 5	Palau	6 5		
Philippines	4 0	Lebanon	6 3	Fiji	6 5	Panama	6 5		

Notes

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F01U089402-02



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