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Control panel drilling plan

JK-05 PROFI GSM ALARM KIT

Installation instructions
Only Jablotron distributor certified installers should install this kit.

1. Kit contents

All items in the kit are enrolled and preprogrammed. The detectors and remote controls have batteries pre-installed.

Item	Description	Address
JA-60N	wireless door sensor	**1**
JA-60P	wireless motion detector	**2**
JA-60F	wireless keypad	**c1**
RC-44	remote control	**c2**
UC-260	wireless indoor siren	panel is enrolled
RC-28	wireless doorbell button	enrolled to UC-260
SMS-8010	SMS phone	Rx, Tx numbers 1111

The **RC-42** is the same remote control as the **RC-44** except that it is built into the housing witch only two buttons (🔓 & 🔒), which have identical functions to the left pair of RC-44 buttons.

2. Before installation

Ensure that PIN code protection has been disabled before you insert a SIM card into the control panel. For example, on a NOKIA phone, select: Menu, Settings, Security settings, PIN code request, Off.
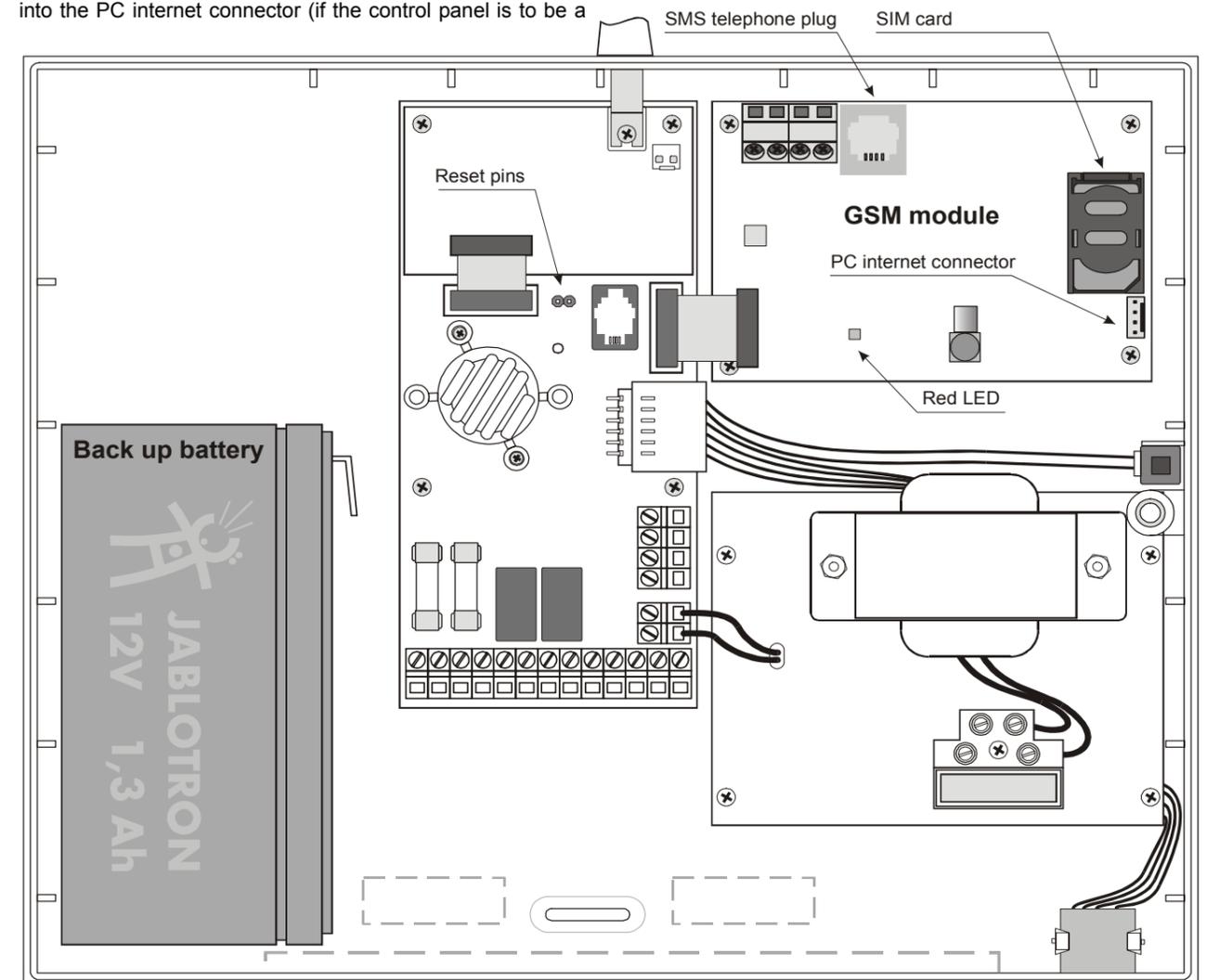
Decide upon suitable locations for all of the items. The wireless keypad should be within 20m of the control panel.

3. Control panel installation

a) **Install the control panel** - see the drilling plan on the last page of this manual. Plug the SMS phone lead into the GSM dialer's SMS telephone plug (see diagram) and the PC lead int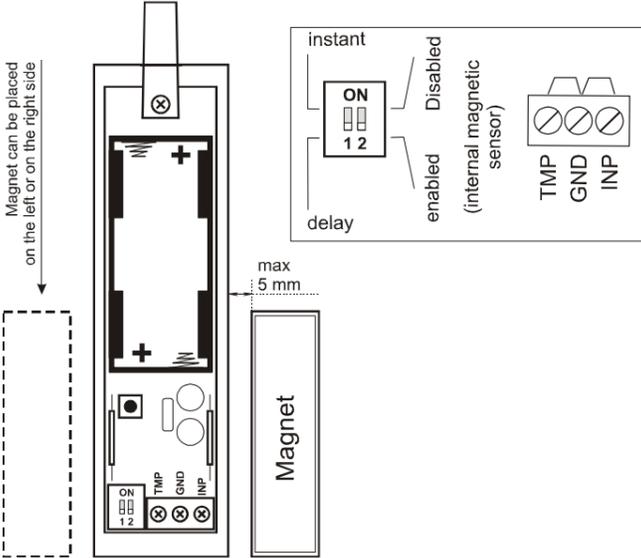o the PC internet connector (if the control panel is to be a GPRS data modem) before mounting the panel. Push out the appropriate cut-outs to allow the leads access to the panel.

b) Open the SIM card holder (by sliding it in the direction shown in picture below) and Insert the SIM card into the holder and close it by sliding it back.

c) Insert batteries into the **SMS phone**, plug in its **telephone cable** and connect the SMS phone's AC adapter.

d) Install and **connect the backup battery** to the control panel

e) Connect the **AC power** to the control panel

f) **The red LED** will be lit during connection to a **GSM network** and should turn off within 60 sec. *If the LED starts flashing, GSM network connection was unsuccessful (switch off both the AC and backup up battery and then try the SIM card in your own mobile phone to ensure it is functioning).*

g) Connect the **keypad batteries** (pull out the red tape to activate the batteries). **P will be indicated** on the keypad (programming mode).
  • If F is indicated, there is no communication with the control panel.
  • Enter **F0 6060 to re-enter P mode** if you accidentally exit it by pushing the N key
  • To save the keypad batteries, close the cover while it is in P mode

h) **Enter 971 to measure the GSM signal** strength. It should register 3 minimum (if not, change the location of the control panel or use an external GSM antenna).

i) **Exit measuring** by pressing the N **key**. Attach the control panel cover.

SMS telephone plug   SIM card

Reset pins

GSM module

PC internet connector
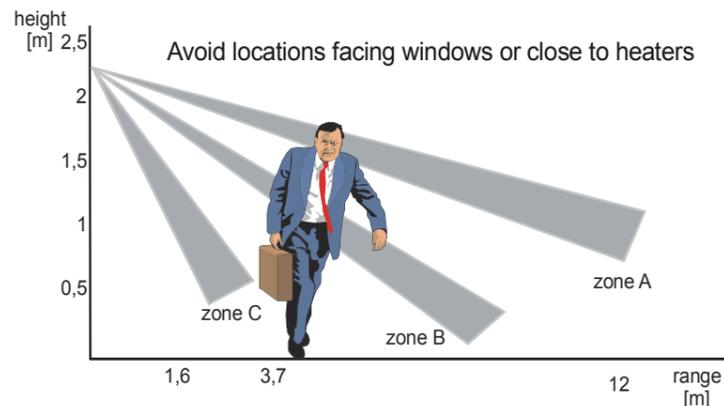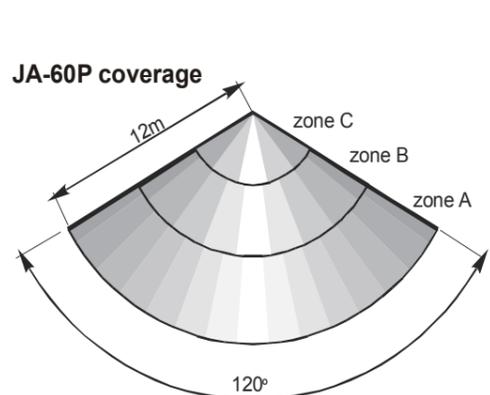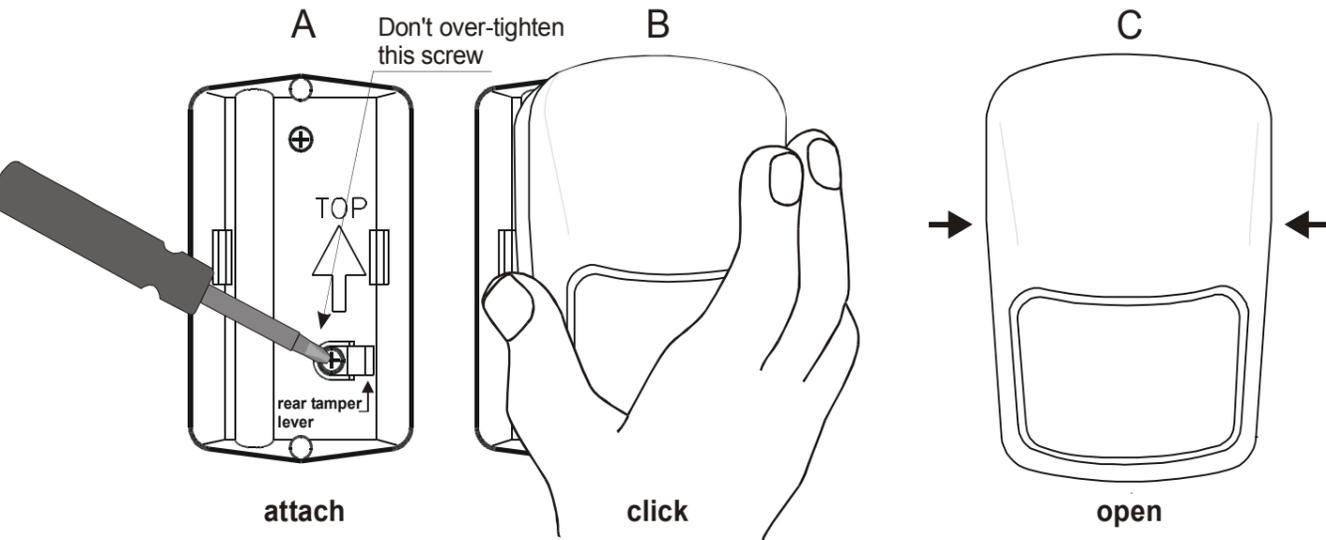
Red LED

Back up battery

JABLOTRON 12V 1,3 Ah

4. Detectors and accessories installation

a) Install the **JA-60N magnetic detector to a door** (antenna pointing up or down)

b) Install the **JA-60P motion PIR detector**
c) Select **Instant or Delay reactions** via the DIP switches inside the detectors.
d) **Connect the detector batteries** (pull out the red tape to activate the batteries)
e) **Attach the keypad to the desired location**
f) Plug the UC-260 **wireless siren** into a power socket.
g) Test the wireless **doorbell button** and install it.

A — Don't over-tighten this screw — TOP — rear tamper lever — **attach**
B — **click**
C — **open**

JA-60P coverage

zone C / zone B / zone A — 12m — 120º

Avoid locations facing windows or close to heaters

5. Enrollment of additional accessories

If you install **additional detectors** (max. 32), you have to enroll them. The system should be in the **P mode** (if not enter F0 6060):

a) **Press 1 to enter the learning** mode*
b) **The next free** detector **position will be displayed on the keypad.**
c) **Install batteries** into all new detectors step by step to enroll them (system will automatically offer the next free position)
d) To **scroll through the sensor positions,** press 1 (up) or 7 (down)
e) To enroll a **second detector** to an occupied position press 5 before you install the detector batteries
f) To **exit the learning mode** press the N key

The wireless keypad (JA-60F) enrolls after you install its battery while in the learning mode.

The remote control (RC-4x) enrolls after you press and hold both the 🔓 and 🔒 buttons while in the learning mode.

The wireless outdoor siren (JA-60A) enrolls after it is powered up while in the learning mode

To enroll the control panel to UC receivers enter **299** on the keypad while in the P mode

Check the manuals of individual items for more details

*Learning mode will also be entered after shorting the Reset pins in the control panel.

6. Detector and controller testing

a) The system should be in **P mode** (if not, enter F0 6060)
b) **Trigger the detectors** – their addresses (1=door and 2=PIR) should be displayed (if the PIR detector does not react, re-enter its test mode by opening and closing its cover)
c) Press **button 🔓 on the RC-4x remote control** – c2 will be indicated on the alarm display

7. Radio signal strength measurement

a) While in P mode, press **1** and then using **7** scroll to position **1**
b) Press **8** to start measuring
c) **Activate** the door detector to view its signal strength
d) Using the **1 key, scroll to the next position** (2=PIR) and check its signal strength (if the PIR detector does not react, re-enter its test mode by opening and closing its cover)
e) Repeat step d) to check all enrolled items. The **wireless keypad** (c1) signal is indicated after you trigger its tamper. The **remote control** (c2) is indicated after you press button 🔓.
f) Change the location of an item if its signal is **lower than 2**
g) **Return to P** mode by pressing the **N key**

8. GSM communication testing

a) **Dial your mobile** number from the SMS phone. Hang up after it rings. This will display the system's SIM card number on your mobile phone.
b) **Call back the system number** using your mobile. Let the SMS phone ring until the system answers your call (you will hear a beep). Then enter the **installer remote access code 0000** on your mobile.
c) Now the **mobile should work as a system keypad**. Press the **#** key to exit P mode and re-enter it by keying ∗0 6060
d) **End the phone call**
e) From your mobile, send a command SMS with MO in it to the system. You should then receive a **status report reply**
f) Type some **test text** on the **SMS** phone and send it as an SMS to your mobile.
g) You can also store your mobile phone number in the SMS phone memory so that the end user can easily call you in future.

9. Programming the system

a) The system should be in **P mode** (if not enter F0 6060)
b) Using the following sequences you can program:

Function	Sequence	Comments
Your **installer code***	**5 xxxx xxxx**	**6060 =** factory default xxxx = new code
Installer remote access code*	**94 xxxx F0**	**0000 =** factory default xxxx = customized code
User remote access code*	**94 xxxx F1**	**1111 =** factory default xxxx = new code
Exit delay	**20x**	**3**=30sec factory def.
Entrance delay	**21x**	**3**=30 sec factory def.
Alarm duration	**22x**	**4**=4min factory def.
Alarm SMS reporting	**71 yyy..y F0** **72 yyy..y F0**	**yyy..y** = phone number
Alarm SMS + phone call reporting	**73 yyy..y F0** **74 yyy..y F0**	if 001 is entered the SMS will go to the SMS phone (free of charge) – the SMS phone will work as the system's LCD keypad
Alarm & arming SMS reporting	**75 yyy..y F0** **76 yyy..y F0**	
Alarm phone call only	**77 yyy..y F0**	
Technical trouble SMS reporting	**78 yyy..y F0**	7**n**F0 erases number **n**
User 1 to 4 arming reporting to 75 & 76	**80x**	**x=1** enabled x=2 disabled
GSMLink pre-registration	**972 yyy..yF0**	**yyy..y** = your mobile number (international format 00 country …)
Time & date entry	**4 hh mm DD MM YY**	

See control panel installation manual for more details
* Must be changed

10. SMS text editing

Factory default SMS texts in the system can be modified easily by Jablotron's Comlink software. You can also change individual texts by sending the following SMS from the SMS phone to telephone number 001 (it goes directly to the control panel - free of charge).

yyyy∗TXT∗z,text,z,text,z,text.....

yyyy = installer remote access code (0000 = factory default)
∗ = separator, space can also be used
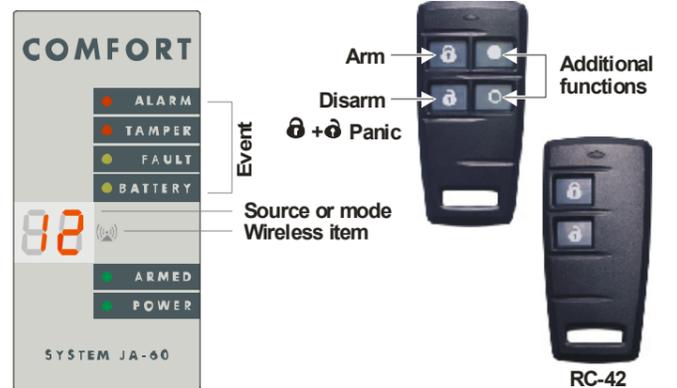**z** = text index, see the following table
text = new text (no commas or periods/full stops allowed)

z	Factory default text	z	Factory default text
700	Alarm system reports:	415	Wireless detector #15
201	Controller #1	416	Wireless detector #16
202	Controller #2	501	User code #1
203	Controller #3	502	User code #2
204	Controller #4	503	User code #3
205	Controller #5	504	User code #4
206	Controller #6	505	User code #5
207	Controller #7	506	User code #6
208	Controller #8	507	User code #7
401	Wireless detector #1	508	User code #8
402	Wireless detector #2	509	User code #9
403	Wireless detector #3	510	User code #10
404	Wireless detector #4	511	User code #11
405	Wireless detector #5	512	User code #12
406	Wireless detector #6	513	User code #13
407	Wireless detector #7	514	User code #14
408	Wireless detector #8	z	Factory default commands
409	Wireless detector #9	703	AM
410	Wireless detector #10	704	DM
411	Wireless detector #11	705	MO
412	Wireless detector #12	706	ME
413	Wireless detector #13	710	PGON
414	Wireless detector #14	711	PGOFF

A complete list of all texts is in the control panel installation manual

11. Finishing the installation

a) Fill in the information on the sticker label and attach it inside the keypad cover.
b) Switch the system to standby (by pressing the N key)
c) Instruct the user on how to operate the system
d) Show that after you pickup the SMS phone and press #, the phone keypad operates the system.

COMFORT — ALARM / TAMPER / FAULT / BATTERY — 12 — ARMED / POWER — SYSTEM JA-60

Arm / Disarm / 🔓+🔒 Panic / Additional functions — Event — Source or mode / Wireless item — RC-42

12. Keypad operation

Entry	Function
user code	Arming / Disarming
F1 / 🚶🏠	Arming without code
F2 / 🏠	Partial arming
F3 / 🚶🔓	Door lock opening
F4	Memory reading
F5	New master code (example: **F5 1234 2789 2789**)
F6	User code setting (example: **F6 1234 03 3344**)
F7 / 🚶🏃	Disarming under duress
F8	Appliance control (F81 = ON, F80 = OFF)
F0 M.code	User test mode (example F0 1234)
N	Escape & fault detail reading