Operating Manual

Easy Set Module APFES

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1. Features

- Allow the AP11 alarm control panel to become a wireless alarm system.
- Link up to 4 wireless remote keys (AUWFOB)
- Arm and disarm alarm by remote key
- Powered by alarm panel, no extra power source is needed
- Status LED indication
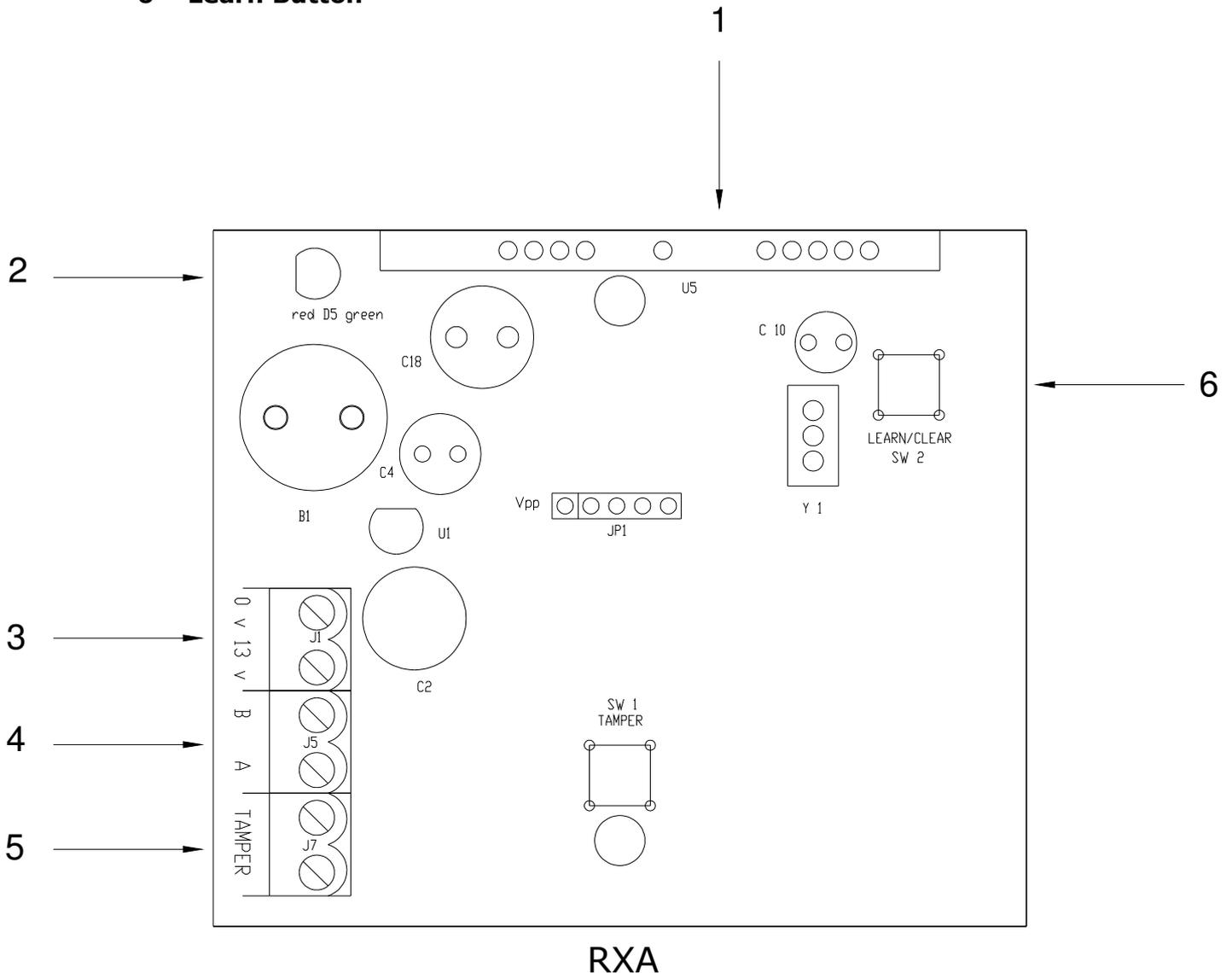- Tamper protection
- Alert buzzer

2. Overview

1 – RF Module

2 – Power LED

3 – Power
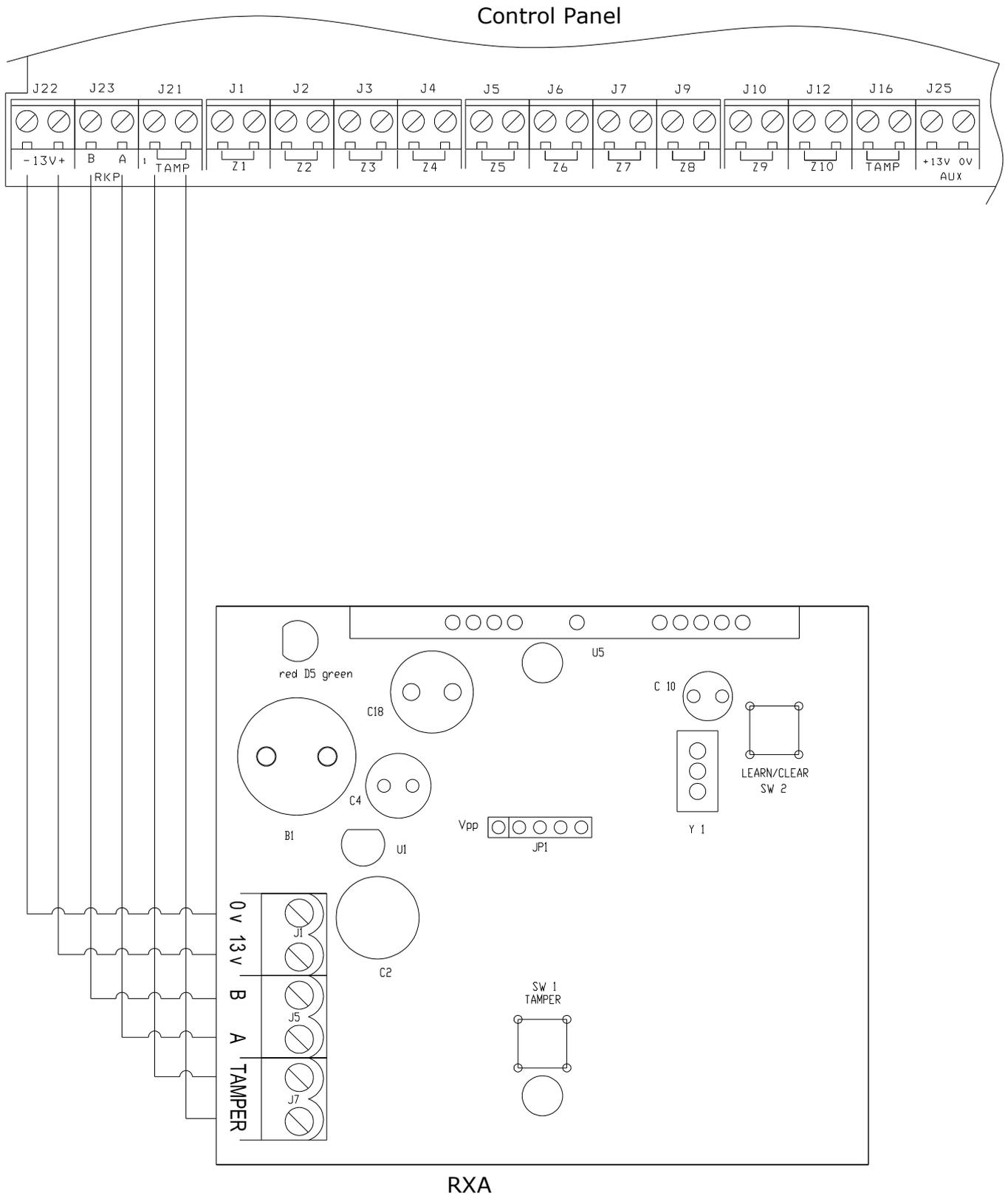
4 – A : Data communication, B: sound line.

5 – Tamper

6 – Learn Button

RXA

3. Wiring diagram

Easy set APFES connection to Force10 AP11 alarm control panel

Control Panel

| J22 | J23 | J21 | J1 | J2 | J3 | J4 | J5 | J6 | J7 | J9 | J10 | J12 | J16 | J25 |

-13V+   B   A   1 TAMP

RKP

Z1   Z2   Z3   Z4   Z5   Z6   Z7   Z8   Z9   Z10   TAMP   +13V 0V AUX

red D5 green

U5

C18

C10

C4

LEARN/CLEAR SW 2

B1

U1

Vpp

JP1

Y 1

0 v
13 v
B
A
TAMPER

J1

J5

J7

C2

SW 1
TAMPER
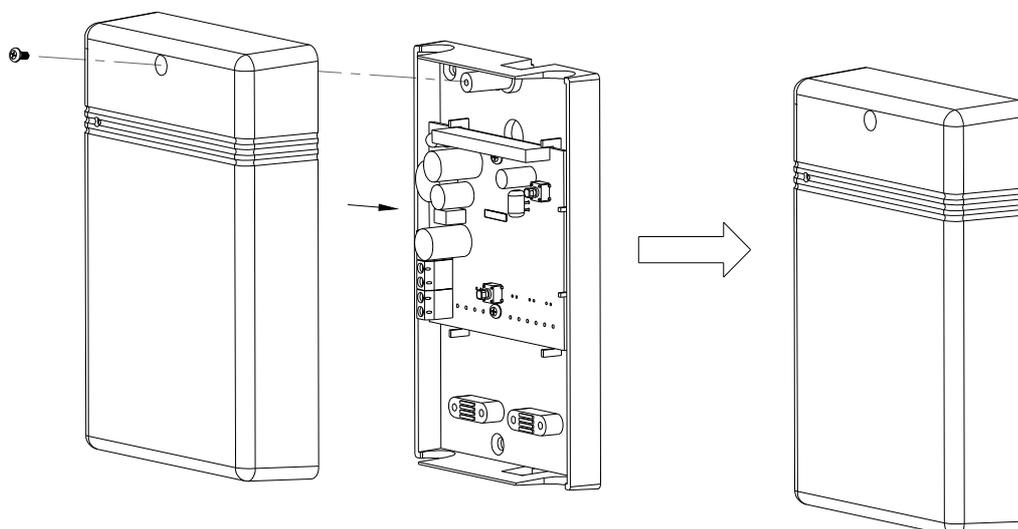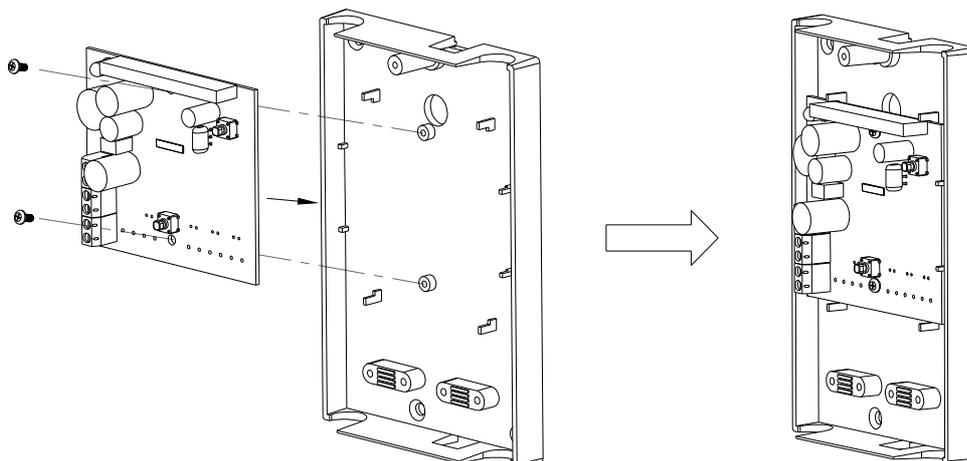
RXA

4. Extending the System

When extending the system, please note the system can take up to 4 Wireless Remote Keys (AUWFOB).

Wireless Remote Key (AUWFOB)
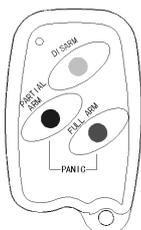
– can be used to arm, part-arm, disarm or panic the system with an operating range of about 50 meters in line of site conditions..

5. Installing the unit

6. Wireless Remote Key Learning

How to go into learn mode

Press Learn button on APFES board for more than 2 seconds then release, it gives two beeps, then yellow LED is on to indicate unit is in learn mode.

How to learn a valid pin code.

The APFES acts as if the user has entered a valid PIN code.   To achieve this, the system needs to learn the PIN code.
Under learn mode, Input 4 digit PIN code (must be a user code programmed in the AP11 panel already), Red LED on APFES board will flash fast twice and give two beeps to indicate OK.

How to register wireless remote key into APFES module.

Under learn mode, press any key on unregistered wireless remote key. Red LED on APFES board will flash fast twice and give two beeps to indicate OK. The APFES will be ready to learn the next remote key. The APFES may register a maximum four wireless remote keys. It will exit learn mode after 10 seconds after last registration.

7. Using the system

How to set control panel going into FULL ARM, PART ARM via wireless remote key?

Under system is DAY mode, press [FULL ARM] or [PART ARM]button of registered remote key, control panel will go into FULL or PART mode after a short delay.

How to set control panel into OFF MODE via wireless remote key?

Under system is ARM mode, press [DISARM], [FULL ARM] or [PART ARM] any one button of registered remote key, control panel will return to OFF mode at once.

What to do if PIN code in alarm panel changed.

When the original user PIN code in the control panel is changed, you must relearn the PIN code. (See section 6) We suggest programming a different user code for the APFES than the standard user code. (2 user codes plus a manager code can be programmed in panel)

How to clear valid pin restore factory default setting?

Press button on APFES board for more than 6 seconds, APFES gives two beeps when factory default completed. Then release button.

8. Summary of LED Response

Below is double colour LED indicating status

Colour ＼ Status	Light on	Flash twice	Slow flash
Green	Normal mode		
Red		Learn ok	Anti-Jamming
Yellow	Learn mode		

9. Specification

Housing	ABS
Dimension	150×100×30 (unit : mm)
Power Supply:	DC 9V to 14V
Current Consumption:	Standby 20mA
	Alarm 100mA
User Remote Key:	Up to 4PCS
Radio System:	433MHz AM Receiver
Wireless remote key	50m
Anti-Jamming	Yes
Tamper:	Yes
PA:	Yes
Ambient Operating temperature:	0℃ to 40℃

Note : Default ID address of APFW10 is 0x04 (no jump setting).

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