Operating Manual

Easy Set Module APFW10

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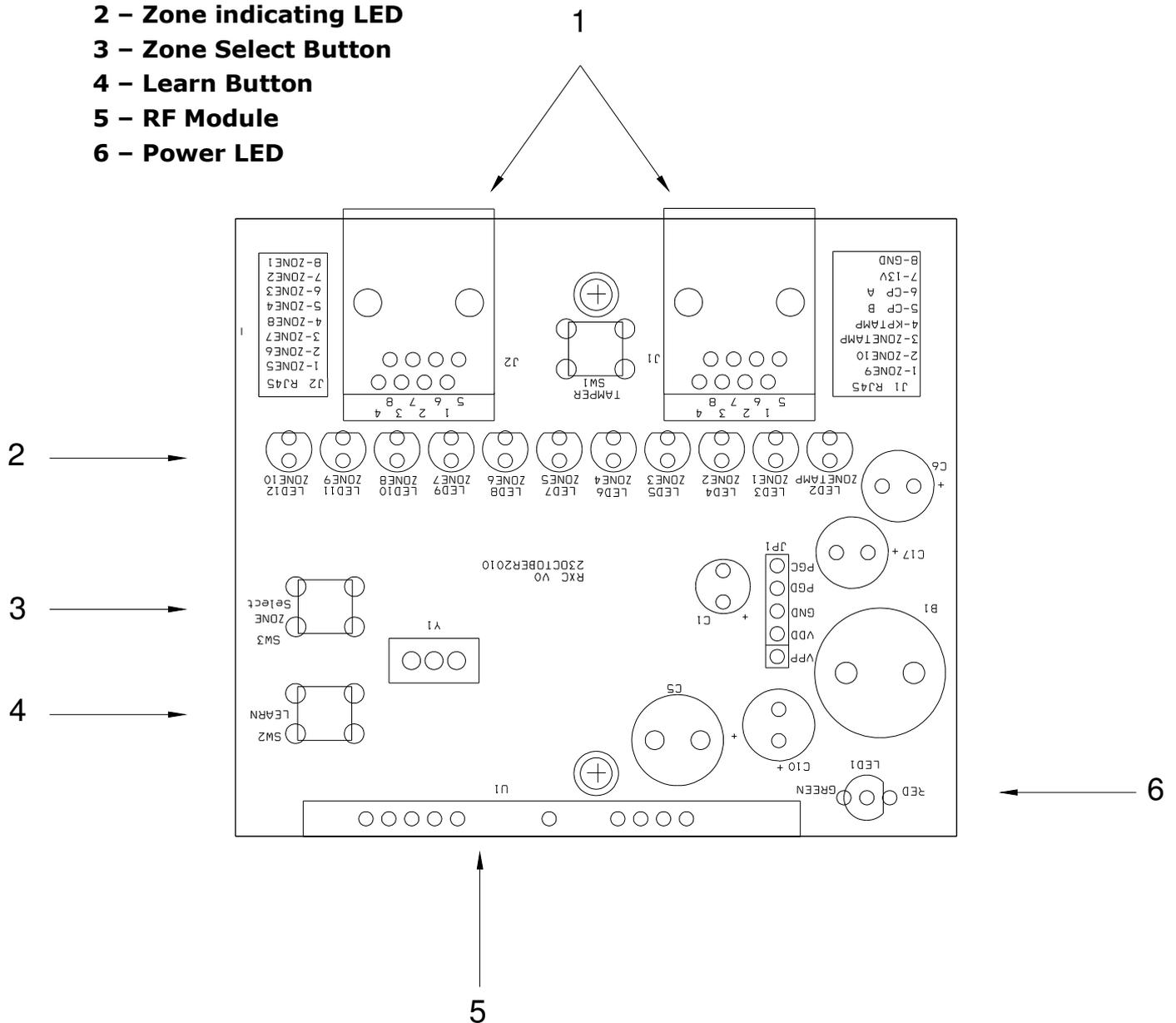
1. Features

- Allow the AP11 alarm control panel become wireless alarm system
- Link to 20 wireless PIR(ADFW1)/wireless Magnetic Contact(ACFW1) and 4 Wireless remote keys (AUWFOB) in maximum
- Arm and disarm alarm by remote key
- Power up by Alarm Control Unit, no extra power source is needed
- Status LED indication
- Tamper protection
- Anti-jamming detection
- Detectors low battery detection
- Detectors Supervision
- Alert buzzer
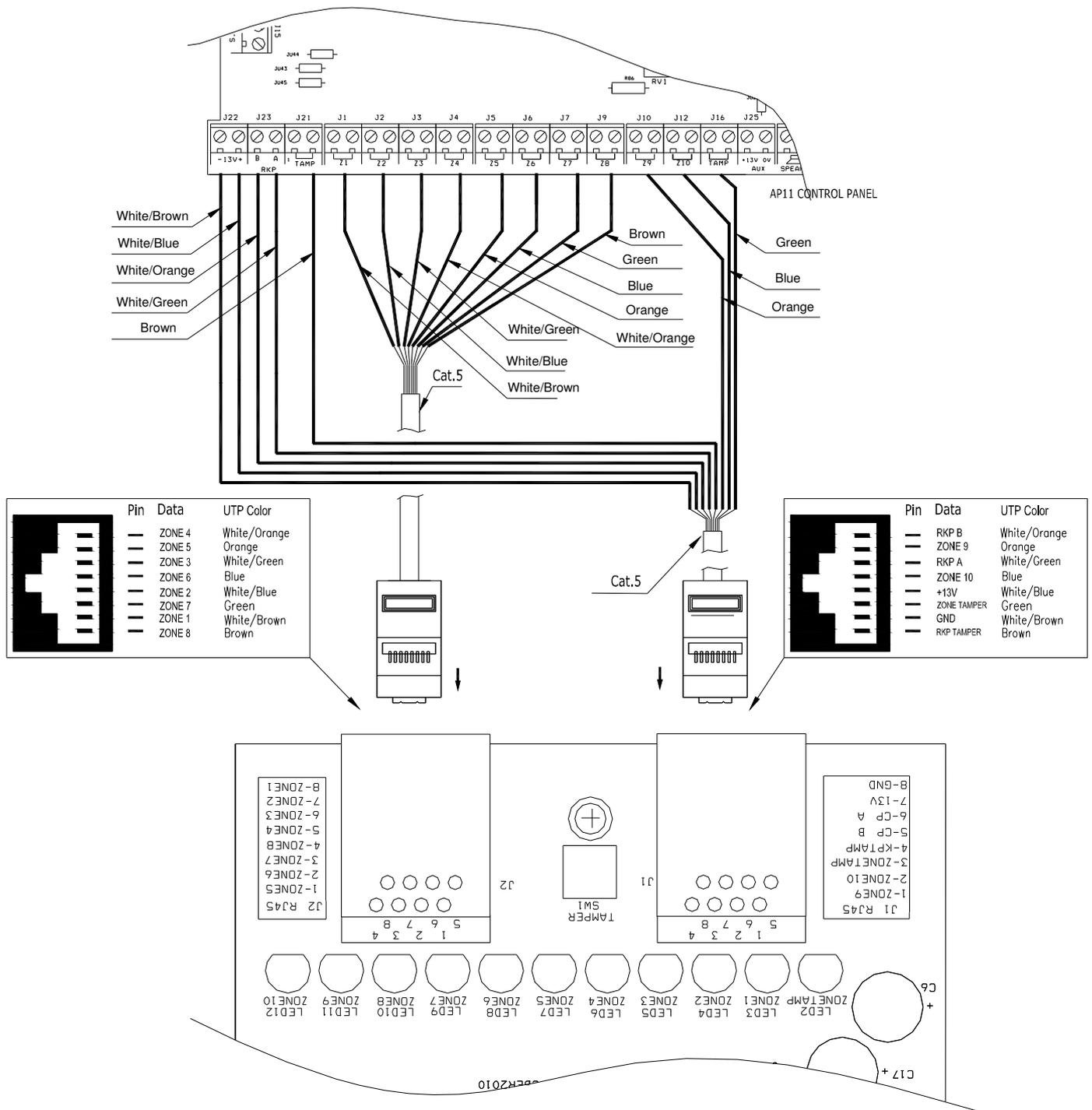
2. Overview

1 – RJ45 Socket

2 – Zone indicating LED

3 – Zone Select Button

4 – Learn Button

5 – RF Module

6 – Power LED

3. Wiring diagram

Easy Set module APFW10 connect with Force-10 AP11 alarm control panel

4. Extending the System

A number of accessories are available to extend your system to suit your exact requirements. When extending the system, please note the system can take up to 20 wireless PIR(ADFW1)/wireless Magnetic Contact(ACFW1) and 4 Wireless remote keys (AUWFOB) in maximum

Wireless PIR (ADFW1)
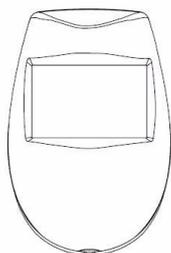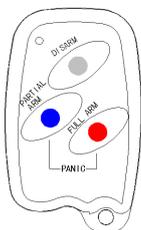
– easy to install, one unit protects a large area.

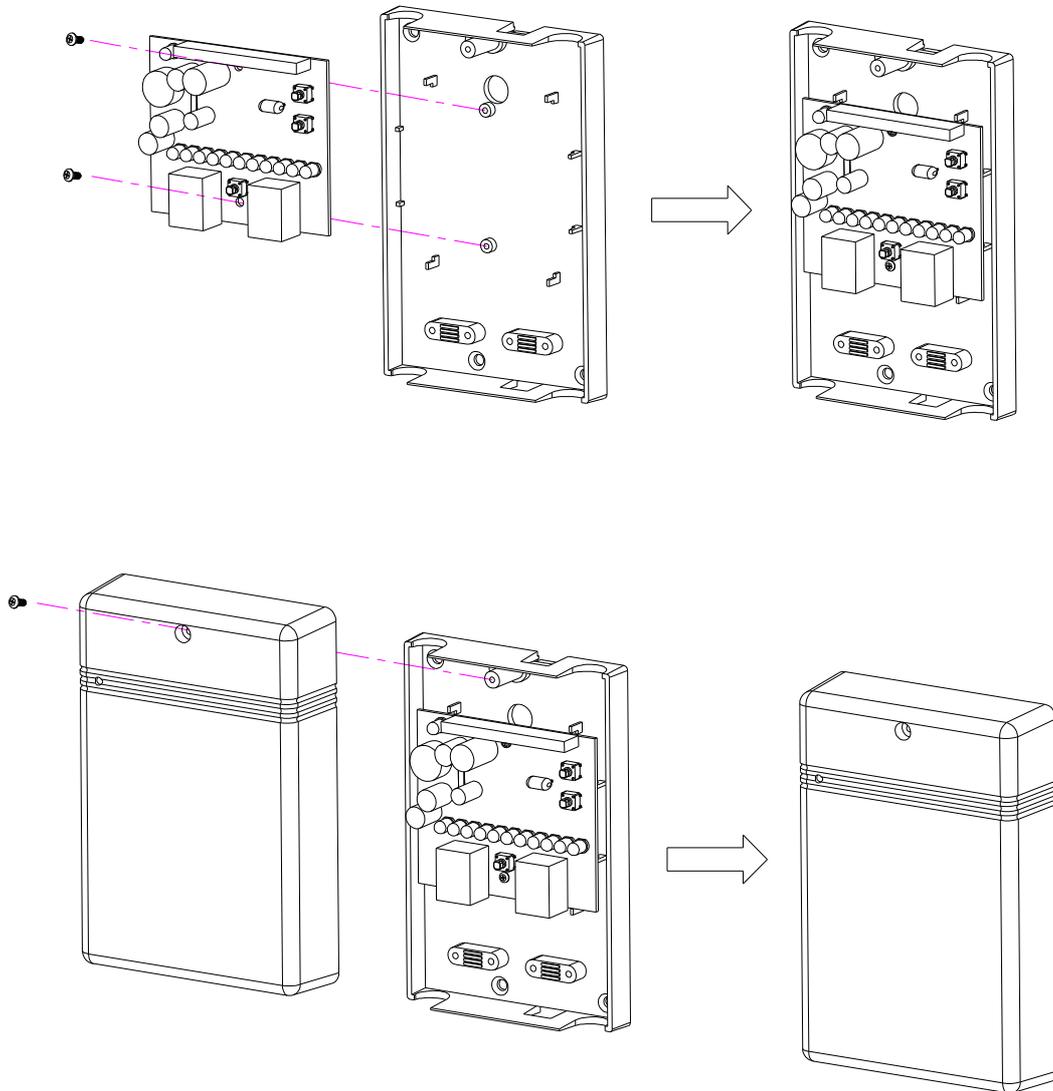### Wireless Magnetic Contact (ACFW1)
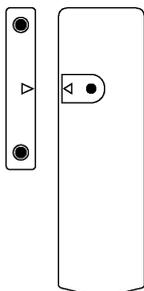
– easy to fit, detects opening of a door or window, can be extended by the addition of wired magnetic contact.

Wireless Remote Key (AUWFOB)

– can be used to arm, part-arm, disarm or panic the CU system with an operating range of about 60 meters in open field conditions..

5. Installing the unit

6. Wireless Detectors Learning

How to go into learn mode

Press Learn button on APFW10 board, it gives one beep, then yellow LED is on to indicate learn mode now after release off.

How to learn a valid pin of control panel from wiring remote keypad.

The APFW10 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 - digital key, Red LED on APFW10 board will flash fast twice and give two beeps to indicate OK.

How to register wireless detector into RXC module.

Under learn mode, trigger unregistered wireless detector, Red LED on APFW10 board will flash fast twice and give two beeps to indicate OK. The APFW10 will be ready to learn the next wireless detector. A   zone LED will jump to next zone LED indicate when it has learnt 2 detector. The APFW10 may register maximum twenty detectors (ten zones, each of zone may be registered by two detectors). It will exit learn mode when unregistered wireless detector has not signal over 10 second and doesn't receive any hit button signal from other wiring remote keypad.

How to register wireless remote key into APFW10 module.

Under learn mode, press any key on unregistered wireless remote key, Red LED on APFW10 board will flash fast twice and give two beeps to indicate OK. The APFW10 will be flash the yellow LED and ready to learn the next wireless remote key. The APFW10 may register maximum four wireless remote keys. It will exit learn mode when unregistered wireless detector and wireless remote key have not signal over 10 second and doesn't receive any hit button signal from other wiring remote keypad.

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 with delay a little time.

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

Under system is ARM mode, press [DISARM] 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 APFW10 than the standard user code. (2 user codes plus a manager code can be programmed in panel)

How to clear valid pin and register wireless detector/device to restore factory default setting?

In normal mode (Green LED on), Press button on APFW10 board for more than 6 seconds, APFW10 gives two beeps when factory default completed. Then release button

When do supervisor signal appear for APFW10 ?

System indicates message:
Below is Zone LED status when Wireless detector trigger.

Detector Action	Zone LED Status
PIR trigger	Light on about 2 seconds
MC open	ON
MC close	OFF
Tamper from PIR or MC	Light on about 2 seconds
Missed zone(No supervision signal)	Light on about 2 seconds

8. Summary of LED Response

Below is double colour LED indicating status

Status colour	Light on	Flash twice	Slow flash
Green	Normal mode		Low battery
Red	Supervisor	Learn ok	Anti-Jamming
Yellow	Learn mode(PIR&MC)		Learn mode(key)

When APFW10 working in learn mode, Z1 LED – Z10 LED indicate status: LED flash slowly hint ready to learn the first detector to zone, LED flash fast hint to learn the second detector, while LED light on indicate the zone be learned.

In Learn mode, APFW10 Learning Key status & PIR, MC status toggle automatically when the rx signal enter.

Note: If APFW10 miss detector or doesn't receive supervisor signal of any detector, then it light on the corresponding zone LED about 2 seconds.

9. Specification

Housing	ABS
Dimension	15×100×30mm； 5-7/8in×3-15/16in×1-3/16in
Power Supply:	DC 9V to 14V
Current Consumption:	Standby 20mA
	Alarm 100mA
Security Wireless Zones:	Up to 20PCS
User Remote Key:	Up to 4PCS
Radio System:	433MHz AM Receiver
Wireless MC,PIR Range:	Up to 160 m
Wireless remote key	50m
Anti-jamming	Yes
Tamper:	Yes
Supervision:	Yes
PA:	Yes
Ambient Operating temperature:	0℃ to 40℃

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

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