CROW
Electronic Engineering Ltd

SH-KP-ADV-8F /9F

TWO WAY WIRELES ADAVNCED ICON KEYPAD WITH RFID READER FOR SHEPHERD™ PANELS

INSTRUCTION MANUAL
P/N 7102382_B

KEYPAD DESCRIPTION

The SH-KP is a 2 way wireless Icon keypad with a built-in RFID reader designed to work with the Shepherd™ panel.

- Easy and user-friendly control
- Back Light indication
- Integrated panic and alerts functions
- Keypad loudness control
- Up to 3 years battery life
- Events transmission:
  - Arm / Disarm
  - Panic and Alerts: Fire and Medical
  - Tamper Open/Close
  - Supervision
  - Battery status
- Up to 4 keypads per Shepherd ™ panel
- Getting Panel Status ARM/STAY ARM
- Outputs can be operated
- Pin Code User: 4,6,8 digits
- Siren & KP buzzer timeout control (on panic event only)
- Panic Alarm visibility control (KP Leds)
- Audible Panic Alarm control (KP buzzer sound)
- Button loudness control (KP keys sound)
- Fast ARM/STAY ARM function
- Remotely configurable
- Wall mounted or can be used as portable unit
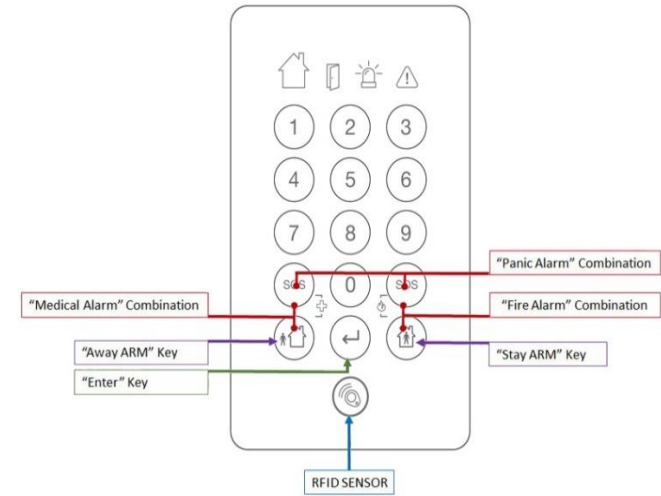- Acoustic alarm by sounder

OVERVIEW

"Medical Alarm" Combination
"Panic Alarm" Combination
"Fire Alarm" Combination
"Away ARM" Key
"Stay ARM" Key
"Enter" Key
RFID SENSOR

Figure 1

KEYPAD OPENING

1 Unscrew the holding screw

2 Tilt Out the Unit from its bracket
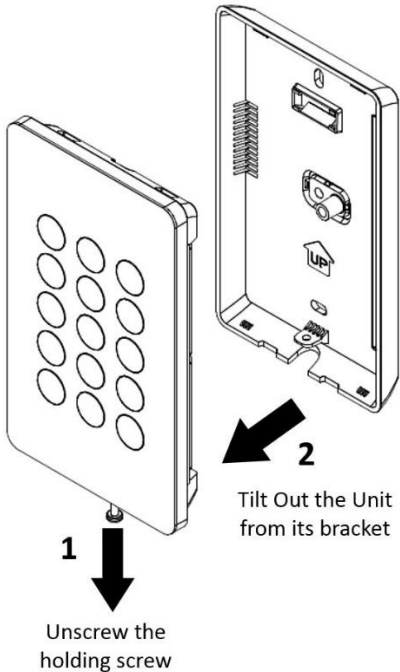
Figure 2

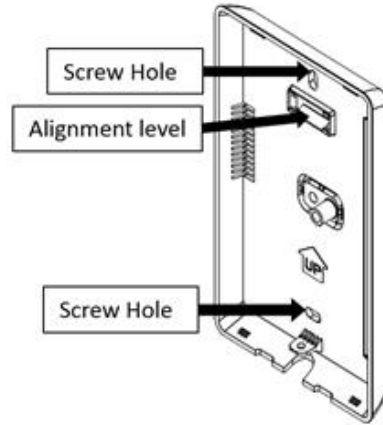## WALL MOUNTING

Screw Hole
Alignment level
Screw Hole

Figure 3
Wall bracket installation

1. Place the bracket on the wall
   Check that the base is flat against the wall to facilitate the unit device insertion into the wall bracket

2. Use the built-in alignment level to verify the correct position.
3. Draw 2 holes on the wall and drill into the wall
4. Use supplied screws to mount the bracket on the wall.

PAIRING PROCESS

1. Log into Installer webpage : https://installer.crowcloud.xyz
2. Select the panel you want to configure and go to "Keypads" level.
3. Click on the keypad position you want to add.
4. Add Keypad, Set the link type "ISM" , insert device's ID serial number, device type : select Advanced Keypad, configure the required parameters and save configuration.
5. Insert batteries into keypad as per Figure 4.
6. The Keypad will start its power up process:

   The Green Led indication will switch ON for 3 seconds and then Red and Green Leds blinking alternately during device initialization until the device is ready for use.
7. When registration process is completed, the Green LED will freeze for 3 seconds and then turn OFF.

KEYPAD Configuration

Fast arm : Enabled — Enable or disable of Fast Key ARM action

Fast stay arm : Enabled — Enable or disable of Fast Key STAY ARM action

Pin code size: 4 digits — Select user pin code size

Siren Timeout: 30 seconds — Timeout of Siren and KP buzzer can be set by this time (relevant on panic event only).

panic alarm visibility : Enabled — Enable or disable of red light indication during panic event.

Audible panic alarm : Enabled — Enable or disable of KP buzzer sound.

Button loudness : Full — Keypad keys sound level.

Siren loudness : Full — KP buzzer sound control level.
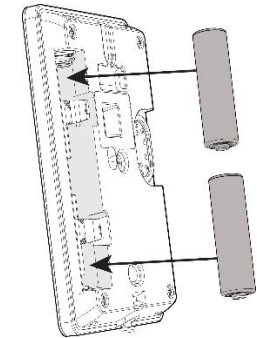
BATTERIES INSERTION

Figure 4

Batteries can be replaced by user
Place batteries according to their polarity.

CAUTION
RISK OF EXPLOSION
IF BATTERIES ARE REPLACED BY DIFFERENT TYPES / MODELS.
DISPOSE USED BATTERIES ACCORDING TO INSTRUCTIONS

**BATTERIES MUST BE REPLACED BY
2 LITHIUM BATTERIES FR6 AA**

RFID TAG LEARNING

For Learning process, please refer to your control panel instructions.

1. Log into Installer webpage :
https://installer.crowcloud.xyz

2. Go to USER in programming mode , select user number , go to tag section and click the button

Learn Access Tag

3. The learning process will start
4. Approach the tag to the RFID symbol on the keypad

5. Beep sounds and RFID led flashes
6. Confirm OK and Submit new configuration to the panel.

KEYPAD OPERATIONS

SYSTEM AWAY ARM

Key + Enter User Code

OR

Press on AWAY key + approach Tag to

SYSTEM HOME ARM

Key + Enter User Code

SYSTEM DISARM

Enter User Code

OR

Approach Tag to

SYSTEM PANIC

Press both **SOS** buttons simultaneously

FIRE ALERT

Press both + **SOS** buttons simultaneously

MEDICAL ALERT

Press both + **SOS** buttons simultaneously

KEYPAD OPERATIONS

OUTPUT ACTIVATION

Press on Required output No. **1** + **↵** Followed by Enter Key

GETTING PANEL STATUS ARM / STAY ARM

Press on any Key Verify LED + ARM / STAY ARM Red light is on accordingly

FAST ARM / STAY ARM ACTION

Press the Key and Hold for 4 sec.   Press the Key and Hold for 4 sec.

NOTE : Minimum acoustic output level from 1 meter - more than 80db(A)

SPECIFICATION

Operation Method	Icon Keypad & RFID &Siren
Communication Protocol	Freewave2™ Two Way ISM GFSK with 5 frequencies & LBT
Frequency Band	868-869MHz or 916-917MHZ
Identification	Unique ID serial number – 24 bit
RFID	ISO 15693
Functions	Arm, Disarm, Stay Arm, Panic , Fire , Medical Alerts, RFID tag , Output Control
Communication Range	500 m in open space
Current Consumptions	Standby: 4µA Average: 10mA Transmission ~28 mA Transmit power up to 14 dBm
Batteries	2 x Lithium batteries FR6 AA Low.Batt. 2.9V Cut Off : 2.5V
Battery Life	Up to 3 years
Operating Temperature	-10°C to +55°C
Dimensions	143mm x 85mm x 20mm
Weight (Inc. bat)	200 gr
Type of power supply	W for siren C for keypad

WARRANTY POLICY CERTIFICATE

Crow warrants these products to be free from defects in materials and workmanship under normal use and service for a period of 24 months from the last day of the week and year whose numbers are printed on the printed circuit board inside these products.

Subject to the provisions of this Warranty Certificate, during the Warranty Period, Crow undertakes, at its sole discretion and subject to Crow's procedures, as such procedures are form time to time, to repair or replace, free of charge for materials and/or labor, products proved to be defective in materials or workmanship under normal use and service. Repaired products shall be warranted for the remainder of the original Warranty Period.All transportation costs and in-transit risk of loss or damage related, directly or indirectly, to products returned to Crow for repair or replacement shall be borne solely by the Purchaser.

This Warranty Certificate does not cover products that is defective (or shall become defective) due to: (a) alteration of the products (or any part thereof) by anyone other than Crow; (b) accident, abuse, negligence, or improper maintenance; (c) failure caused by a product which Crow did not provide; (d) failure caused by software or hardware which Crow did not provide; (e) use or storage other than in accordance with Crow's specified operating and storage instructions.

There are no warranties, expressed or implied, of merchantability or fitness of the products for a particular purpose or otherwise, which extend beyond the description on the face hereof. This limited Warranty Certificate is the Purchaser's sole and exclusive remedy against Crow and Crow's sole and exclusive liability toward the Purchaser in connection with the products, including without limitation - for defects or malfunctions of the products.

This Warranty Certificate replaces all other warranties and liabilities, whether oral, written, (non-mandatory) statutory, contractual, in tort or otherwise.In no case shall Crow be liable to anyone for any consequential or incidental damages (inclusive of loss of profit, and whether occasioned by negligence of the Crow or any third party on its behalf) for breach of this or any other warranty, expressed or implied, or upon any other basis of liability whatsoever.
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These instructions supersede all previous issues