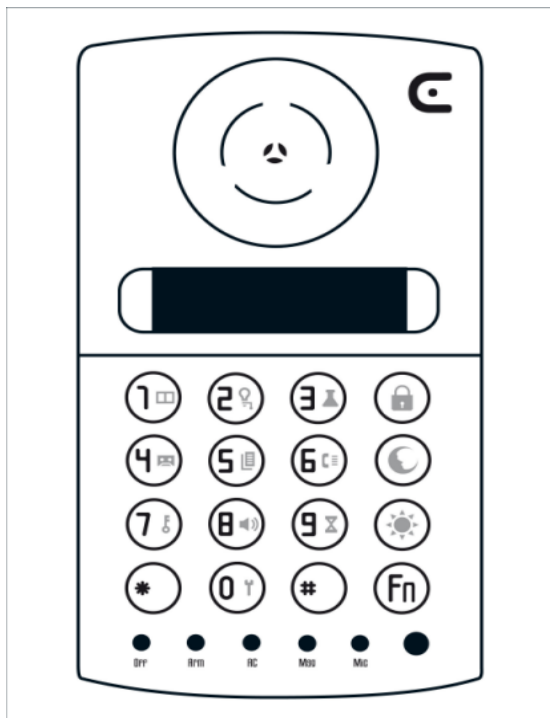


KP04 / KP05 Keypad



KP04 Keypad

The KP04 and KP05 Keypad has a 2 line x 16 character LCD Display This allows users to see alarms, zones, warnings and Event Log. KP04/KP05 has a Voice menu and is able to receive Infrared codes from the RC01 handheld remote control allowing control of alarm and home appliances. The KP04 includes a speaker and microphone for recording, intercom and voice

announcements. KP04 and KP05 have the same functions and specifications, except that KP04 is mounted vertically (see above figure) and KP05 is horizontal

Specifications

- Dim: 89 x 160 x 31 mm. Carton 92 x 165 x 45 mm
- Weight: 177 g
- 2 lines by 16 character LCD
- Power Supply: 12V DC from Comfort System
- Current Consumption: 50 mA idle (No voice)
- Comfort IR codes received: RC01 codes
- Speaker for announcement, intercom , messages.
- Microphone for recording and Intercom

System Requirements

- Comfort II Controller

Contents

- KP04 or KP05 keypad
- 2 wall plugs and screws for mounting.
- 3 x 2 way removable terminal blocks

Connections to Comfort

- JP1 – 12V/COM Connected to 12V/COM (Comfort)
- JP2 – KA/KB. Connected to KA/KB (Comfort.)
- JP3 – VOICE/MIC Connected to KP VOICE/MIC (Comfort)

Cables

Shielded twisted 4-pair cable advised for wiring between Comfort and keypads to avoid interference from mains wiring and electrical appliances to Microphone signals.

Jumper Settings

- JP4 – 3 pin header for Backlight . “Normal” (default) for backlight on when key is pressed, Entry Alert or Alarm. “On” position switches Backlight permanently on.
- JP6 – Keypad Key Beep volume. Open for softer beep volume. It is shunted by default (i.e. loud).
- JP7 – Tamper Shunt. Shunted to disable tamper switch (Default), open to enable Tamper switch.

- JP8 – IR receiver. Shunted (default) to enable IR receiving. Open to disable the IR receiver.
- SW1 – set according to the ID of the keypad

ID Settings (SW1)

Comfort is able to support up to 8 keypads (KP03/KP04/KP05/KT03) in any combination. SW1 is a set of 4 headers which is used to determine the ID according to the table below:

ID	SW1-A	SW1-B	SW1-C	SW1-D
1	Short	Short	Short	Short
2	Open	Short	Short	Short
3	Short	Open	Short	Short
4	Open	Open	Short	Short
5	Short	Short	Open	Short
6	Open	Short	Open	Short
7	Short	Open	Open	Short
8	Open	Open	Open	Short

In Configurator, the number of keypads must be set to the same as the maximum number of keypads

LED Indications

Off (Green)	
Steady	Security Off, all conditions Normal (no trouble)
Blinking	Trouble e.g. Phone line cut, RS485 comms failure. Trouble Condition is displayed
Arm (Red)	
Steady	System armed, No alarm) security mode (Away, Night, Day, Vacation) is displayed
Blinking	Alarm / Alert condition.
AC (Red)	
Steady	Mains Power failure.
Blinking	Standby battery voltage is low due to prolonged power failure. Battery may need to be replaced.
Msg (Green)	
Steady	New Internal message. Press # to hear who the message is for. Sign in with user code to hear the message
Blinking	New message from phone. Press # to hear who

	the message is for. Sign in with user code to hear the message
Mic (Red)	
Steady	Microphone ON for Recording or Intercom

Installation

KP04/KP05 should be installed in an indoor location, not outside the premises for security reasons.

- Remove the screw at the base and pull the front housing from the back housing.
- Mount the back housing on the wall using the screws supplied. KP04/KP05 can replace KP01/02.
- Connect the 6 wires from the terminal blocks (JP1, JP2 , JP3) to the Comfort PCB according to the signal name. Note the 12V should be connected to the 12V terminal on Comfort, **not** S12V
- When replacing an existing KP01/KP02, note that the pairs of wires KA/KB, 12V/COM, Mic/Voice are reversed on the connectors.
- If more than one Keypad/Door Station is used, connect their 12V and ground wires back to Comfort individually, not in series to avoid excessive voltage drop along the cable.
- Set ID shunts for each of the keypads (SW1). They must be numbered consecutively, i.e. ID 1, followed by ID 2 for 2nd KP.
- Set the correct number of Keypads using Configurator (or using the keypad Location 1675). The default is 1. Reset Comfort after changing the value.

Comfort II Text Synchronisation

If the LCD displays "Wrong Text. Press *1 to sync". press and hold the "*" followed by "1" keys to sync the KP04 text with the Comfort vocabulary,. The screen shows to "Downloading" with the downloading status bar. After the process completes, the keypad will reset and there will be a "beep" heard.

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