

Introduction to KP06A



KP06A with FR2-CYT-BL Translucent Black Frame



KP06A with FR2-CYT-AL Silver Frame

Functions

KP06A is an improved version of KP06 with programmable settings that can be changed via Configurator.

KP06A Keypad for the Comfort Intelligent Home System has the following functions;

- Arm and disarm the Comfort Security System
- Control programmed lighting and appliances using the Home Control Voice Menu
- Voice Menu to guide the user through all operations.
- Record and play messages on the Comfort answering machine
- Activate programmable short cut functions.
- Intercom with other keypads and Door stations
- Play Recorded Voice messages.
- Built-in IR receiver for handheld remote control RC01 to control Comfort
- Engineer Voice Menu to program Comfort.

Highlights

- Can be flush-mounted in Horizontal or Vertical Orientation
- Brushed metal appearance (KP06-BL)
- Frame/faceplate is compatible in size with European System 55 2-gang frames manufactured by Gira, Jung, Merten and others, allow a vast choice of frames to match any decor.

Specifications

- Frame Dimensions: 152 mm x 80 mm x 12 mm

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- Frame Weight: 37 grams
- Wall Cut-out dimensions: 122x 50 mm
- KP06A-NF Weight: 186 grams without Frame
- LCD 2 lines x 16 characters white with backlight
- Power Supply 12VDC from Comfort, 50 ma idle current (without voice), 300 ma with voice
- IR Receiver - works with Black Translucent Frame FR2-CYT-BL only
- Speaker for Voice Menu, announcements and message playback.
- Microphone for message recording and intercom
- Tactile Keyboard with 16 keys
- Volume up/down buttons
- Tamper protection. Removal of LCD or Keyboard submodule causes a Tamper Alarm.
- Mounting - Flush-mounted in Euro 2 gang junction box in Horizontal or Vertical orientation.
- LCD settings menu for ID and other parameters.

Ordering Information

- KP06A(W)-NF KP06A Keypad White or KP06A(B)-NF Black, without Frame, comes with Euro 2-gang junction box for wall mounting. Frames are ordered separately. Take note of the 2 arrows on the top and left of the metal frame. These show the correct orientation for mounting on the wall, either Horizontally or Vertically. One of the arrows must always be pointing to the top direction.
- BB9602-02 Euro 2-gang junction box for partition walls (instead of for Brick walls)
- FR2-CYT-BL Black Translucent with IR Receiver.
- FR2-CYT-AL Silver (Does not work with IR Receiver)

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- FR2-ES-BG Esprit 2 Gang Black Glass (Does not work with IR Receiver)
- FR2-ST-PW Standard 55 Pure White Glossy. (Does not work with IR Receiver)
- FR2-ST-CW Standard 55 Cream White Glossy (Does not work with IR Receiver).
- FR2-ES-MG Esprit Mint Glass Frame. (Does not work with IR Receiver).
- FR2-ES-BG Esprit Black Glass Frame. (Does not work with IR Receiver).
- Other applicable frames include FR2-ES-WG Esprit White Glass and others

Contents of KP06A-NF

- Metallic Mounting Bracket 140 x 70 mm with KP06A Base PCB



- Wall cut-out dimensions 122 x 55 mm

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- LCD plug-in submodule, 54 x 54 x 9.5 mm



- Keyboard plug-in submodule, dimension 54 mm x 54 mm x 9.5 mm.



- 6 way terminal block, pluggable

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- 4 x M3 self tapping screws
- BB1956-02 Euro 2 gang Junction box size 140 x 60 x 42 mm, 3.6 grams, black for wall mounting with 4 mounting screws



- BB9602-02 Euro 2 gang Junction box size 140 x 60 x 42 mm, 3.6 grams, black for Partition wall mounting with 4 mounting screws. Not included, to be ordered separately.



Minimum System Requirements

- Comfort Firmware 7.061

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- UCM firmware 7.072 with USB, or Ethernet for programming
- Configurator 3.10.4 or above for programming.

Connections

A 6 way removable terminal block is (JP1) for connection of a CAT 5 cable to Comfort.

- V+ connect to 12V on Comfort
- COM connect to COM on Comfort.
- KA connect to KA on Comfort.
- KB connect to KB on Comfort.
- Voice connect to KP VOICE on Comfort.
- Mic connect to KP MIC on Comfort.

Installation

- Power off Comfort while installing the KP06A.
- For brick walls, cut to size a hole in the wall for the 2 gang junction box. KP06A-NF includes the 2 gang backbox for brick walls.
- For partition walls, cut to size a hole in the wooden partition so that the KP06A-NP screwed to the metal frame can fit in the hole. The metal frame edges should sit on the surface of the wall, preventing the KP06A from falling through the wall.
- Unplug the LCD and Keyboard submodules from the metal mounting bracket.
- Knock out or cut entry holes in the 2 gang junction box for the CAT 5 connection cable entry.
- Connect 6 wires to the JP01 terminal block V+, GND, KA, KB, MIC, VOICE.
- Mount the metal mounting bracket with PCB to the backbox using the 4 supplied screws. Note the 2 arrows engraved on the mounting bracket

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on the top or left side (see KP06A-NF photo above) to show the correct mounting orientation when used in the horizontal and vertical direction.

- Push the assembly into the wall, or in the case of partition wall through the opening. The metal mounting bracket should rest on the surface of the wall.
- In the case of the partition wall, tighten the 4 long screws through the metal mounting bracket in order to pull in the 4 long restraining screws until the KP06A sits snugly to the wall.
- Position the 2 gang frame on top of the metal bracket.
- Cytech's own frames (FR2-CYT-BL Black Translucent and FR2-CYT-AL Silver) has guide pins to help position the frame onto the metal bracket. However, 3rd party System 55 frames do not have guide pins and must be positioned manually.
- Position and plug in the LCD Submodule and the Keyboard submodule into the 4 sets of connectors/sockets in each square hole. The LCD and Keyboard modules should face the same position as one of the arrows on the metal bracket i.e. to the top or left according to Horizontal or Vertical mounting. The LCD should be on the left hole for horizontal orientation or the top hole for vertical orientation. The Keyboard should be on the right hole for horizontal orientation or the bottom hole for vertical orientation. Make sure the submodules are plugged in securely and fully into the respective holes, but do not force the modules into the sockets as this may bend the pins. If the modules do not plug in using a slight force, the reason may be that you are attempting to plug the module into the wrong position (e.g.

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Keyboard on the left hole or LCD on the right) or you may be attempting to plug in to the wrong orientation and not following the arrows on the metal frame.

- Note that the Cytech standard frames FR2-CYT-xxx will be flush with the submodules when inserted fully. However for 3rd party System 55 frames, the submodules may protrude slightly from the surface of the frame.
- Switch on Power to Comfort. The LCD should turn on and "Security Off" should be announced after a few seconds

Removing and Changing Frames

- To change the frame or to change the orientation of KP06A from horizontal to vertical or vice versa, the frame should be removed.
- To remove the frame, grip the whole frame firmly with both hands and pull out together with the LCD and Keyboard modules taking care not to drop the modules when the frame is removed. Note that removing the Modules from the connectors will activate the Tamper Alarm if connected to Comfort. The KP06A should be disconnected from Comfort or Comfort should be put into Security Check Mode (F3,2) before attempting this.
- Replace the frame before plugging the modules back

LED Indicators

-  Off (white) - Steady when Security is OFF (system disarmed), blinking when there is

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system trouble (Low Battery, AC Failure, RS485 Communications Failure, Phone Trouble)

-  Armed (blue) - Steady when Security is armed, blinking when there is an active alarm.
-  AC/Battery (orange) - Steady when AC power is lost, blinking when Battery is weak
-  Messages (green) - Steady when there is a new memo (internal) message, blinking when there is a new external message. Sign in on the keypad to listen to new messages.

Keys

Key/Combination	Function
0 to 9	0 to 9
*	*
#	Enter key
AWAY	Arm to Away Mode
NIGHT	Arm to Night Mode
DAY	Arm to Day Mode
F	Press F + Key 0 to 9 for Shortcut menu or Exit from Voice Menu
Up	Increase voice volume or select option in settings menu
Down	Decrease voice volume or select option in settings menu
* & 1 simultaneously	Sync LCD Text with Comfort
# & 9 simultaneously	Display Version and ID
F & AWAY	Immediate Panic Alarm

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Key/Combination	Function
simultaneously	
F & Night simultaneously	Immediate Fire Alarm
* hold 4 seconds	KP06 Settings Menu

KP06A Settings

- 1 The KP06A is supplied with ID set to 1 as default. There are no shunts for configuration or setting in KP06A as all configuration is done through the Settings Menu.
- 2 Press F0 on any keypad to enable Engineer menu and the KP06A settings menu.
- 3 Press and hold the * key for 4 seconds to enter the Settings menu. If Engineer Menu has NOT been enabled, a message "Engineer Sign in Option is OFF". Press F0 on any keypad and try again. The following keys have the functions shown;

Key	Function
*	Next Page
#	Previous Page
VOL Up & 8	Option Up
VOL Down & 0	Option Down
F	Go to Save Menu

- 4 The following keypad settings pages are available; as shown below;

Settings	Options	Comment
Keypad ID	1* to 15	ID of this keypad
Key Beep	Soft */ Loud/ Disable	Volume of key beeps
Alert Beep	Soft/ * Loud/ Disable	Volume of KP beeps e.g. Error Long beep
Backlight	Automatic */ Always On/ Always Off	LCD & Keyboard Backlight setting
IR Receiver	Enable* / Disable	IR Receiver

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Settings	Options	Comment
Voice Broadcast	Enable*/ Disable	Broadcast Voice /siren
Keypad Tamper	Enable*/ Disable	Internal Tamper
Date Format	DD-MM-YY * etc	Select date format
Time Format	12 Hr* / 24 Hr	Select Time format
LCD Contrast	0-63 (def 37*)	LCD Contrast
Backlight Off	0-31 (def 1*)	LCD level for backlight OFF
Factory Default	Yes/No*	Reset to Factory default
Save Menu	Yes/ No*	Save Changes

 * means the default setting for the menu.

 In any menu, press * for next page, or # for previous page, VOL. Up/Down to change options or F for Confirm Menu

Keypad ID

Comfort is able to support up to 8 keypads, either KP03, KP04, KP05, KP06A or KT03 in any combination.

KP06A shares the same ID space as other keypads such as KP03 and KP04. Do not set any keypad with the same ID as another keypad. This will cause a conflict and lead to a “communication failure” trouble alarm, and both keypads will not be able to work.

Select ID 1 to 8 (default 1)

 Note: If the KP06A ID is not correctly set or if there is a clash of IDs, and if the message “Engineer Sign in Option is OFF” appears, wait for 20 seconds and try again. F0 on the keypad is not needed in this case.

Key Beep

This determines the volume of the key beep when any key is pressed. Select Soft, Loud or Disable (default Soft)

Alert Beep

This determines the volume of Alert tones generated by the KP06A e.g. Error beep, short beeps. Continuous beeps. Select Soft, Loud or Disable (default Soft)

Backlight

This determines the behaviour of the LCD and Keyboard Backlight.

Select Automatic, Always On or Always Off (default Automatic).

Automatic means the backlight will turn on when there is an alarm or a key is pressed and will turn off after some time.

IR Receiver

This determines if the IR Receiver is enabled. If there are several IR receivers e.g. SCS, IRR01 with RIO in the same room, then it may be desirable to disable the KP06A IR receiver.

Select Enable or Disable (Default Enable)

Voice Broadcast

This determines if the KP06A will respond to broadcast Voice messages from Comfort, e.g. Announcements of Security Off, Away Mode, beeping and siren tones, alarm and zone announcements. This can be turned off when the KP06A is installed in a bedroom or rooms where people are not to be disturbed.

Select Enable or Disable (Default Enable)

Keypad Tamper

This determines if the Tamper alarm is activated when the LCD or Keyboard submodule is removed from the KP06A metal bracket. In order to remove the submodules without causing a Tamper alarm, go to Security Check Mode (F3,2 on the keypad), which announces zones and tamper events without causing alarms.

Select Enable or Disable (default Enable)

Date Format

Select between various date formats

Time Format

Select between various time formats

LCD Contrast

Select LCD Contrast 0 to 63

Backlight Off

Select the brightness of the backlight when it is in the off state (after timeout). Values 0 to 31 . Higher value allows the LCD to be read even when backlight is off.

Save Menu

Save and Apply - Yes, No (default NO)

“Yes” causes settings to be saved and KP06A to reset. “No” causes changes to be lost and exit from Settings menu

“*” or “#” goes back to the Settings Menu, or VOL. Up/Down to change the option.

Press F again to confirm the selection (Yes/No).

The settings menu will exit without changes after 25 seconds without any key pressed.

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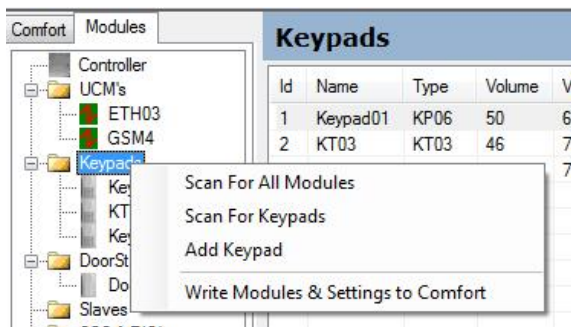
☛ To discard any changes you must press F in settings to go to Save Menu and select NO.

For instructions on Comfort Installation, please refer to the Comfort II Installation manuals which can be downloaded from

http://www.cyttech.biz/installation_and_programming.html

KP06A Settings in Configurator

The KP06A settings can also be changed in Configurator, and can also be read from the KP06A to Configurator. In Configurator, go to the Modules Tab, right Click and select Scan for all Modules.



This will detect that KP06A is connected if all keypads have unique IDs. Select the KP06A on the left pane. The right pane shows the display below;

Keypad01

 Write to Keypad |  Read from Keypad | Reset to Default

Keypad Properties

Id	1
Name	Keypad01
Type	KP06A
Volume	50
Version	7.003
Latest Version	Unknown
Serial Number	Unknown
User Comments	

KP0x Properties

Key Beep	Soft
Alert Beep	Soft
Backlight	Automatic
IR Receiver	Enable
Voice Broadcast	Enable
Keypad Tamper	Enable
Date Format	DD-MM-YY
Time Format	12 Hour
LCD Contrast	37
Backlight Off	1

“Write to Keypad” will write the settings to the KP06A. “Read from Keypad” will read the settings from KP06A.

Printed size 90 mm x 155 mm

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