

Introduction



Front and Back of EV003

Front Side

- CM9000-ULT Comfort Controller PCB with 8 inputs, 8 outputs.

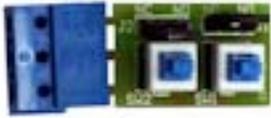


- KP06 Keypad



EV003 Training/Evaluation Kit

- Zone Test switches on 8 inputs to simulate Alarm and switch Inputs



- Test Lamps connected to 8 Outputs to simulate lights and appliances

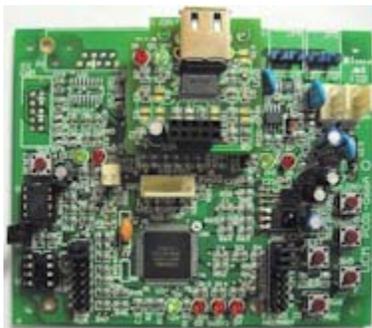


Back Side

- KT03 Touchscreen Keypad



- UCM/USB - USB Interface for programming Comfort



- ETH02 Ethernet submodule to replace UCM/USB for Configurator or iPhone/Android. The ETH02 submodule can replace the USB module on the UCM/USB by unscrewing the USB module and fitting in the ETH02.



EV003 Training/Evaluation Kit

- UCM/GSM3 GSM Module



Accessories

- Power Supply - 18V 1A wallmount universal adapter 110V to 230V AC input. Available with UK and European plugs.



- RC01 Remote Control



- USB Drive with all manuals, software, Video, Brochures, firmware

Configuration

Zones

- Zone 1 = Front Door
- Zone 3 = Hall Movement (PIR)
- Zone 4 = Kitchen Door

Outputs

- Output 1 = "Living Room Lights"
- Output 2 = "Bedroom Lights"
- Output 4 = "Bedroom Aircon"

Operation

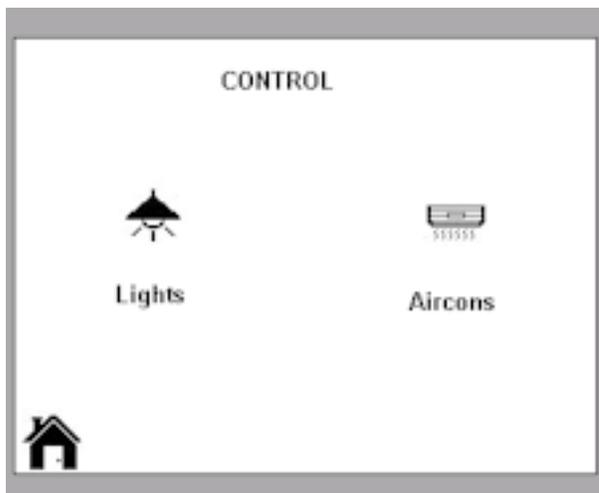
- Plug in the power supply adapter into a mains socket and switch on power
- After a few seconds, Comfort announces "Security Off" This shows the system is ready for use.

Controlling Appliances

Use the KT03 Touchscreen to control lights and aircons.

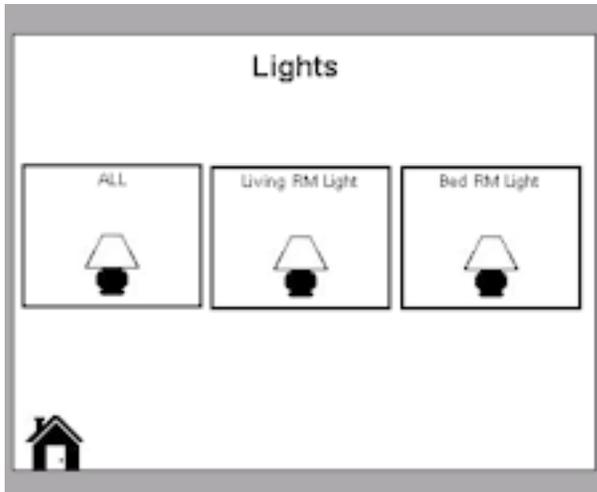


Press the Control Button to go to the Control Page



Press Lights to control Lights i.e. Living Room Lights (Output1) and Bedroom Lights (output 2)

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Press each button to control the lights. Note that the button shows the real status of the lights

Go back to the previous page and press the Aircon button to control the bedroom Aircon. The Aircon is simulated by the lamp on Output 4.

On KT03, hundreds of pages can be programmed with buttons to control any appliance or scenes and to show their status.

Zone State Monitoring on KT03

Go to the Zones page (from Home Page) of KT03



The zone states are shown. Try pressing the zone test switches for zones 1,2, and 4 to see the states change

The Alarm History button shows the sequence of zones trigger which caused the alarm.

Security Modes - Arming and Disarming

Press the KP06 Keypad Away Mode (top right key) to arm to Away Mode i.e. nobody at home



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The keypad announces "Please Exit"

Open zones 2 or 3. The Keypad announces "Hall Movement" or "Kitchen Door" if all zones are closed then "Please exit" is heard again. To complete the arming open and Close zone 1 "Front Door". The keypad announces "Away Mode" when the system is armed. All lights and aircons are switched off. Lights, aircons, heaters and appliances can be programmed to switch off when armed to Away Mode (i.e. nobody at home)

If the front door is not opened or closed after 30 seconds when arming, "Arm Failure " alarm is heard. If this happens enter the user code 1234 to disarm the system

If the front door is opened when the system is armed, an Entry Delay is started for 30 seconds. The Living Room Lights (Output 1) is programmed to turn on. Enter 1234# to disarm the system otherwise an Intruder Alarm happens.

Arm to Night Mode if people are at home. Press the Night Button



If all doors and windows are closed including Front Door, the system beeps for 5 seconds and announces "Night Mode" There is no need to go out of the Front Door in Night mode. If Zone 3 "Hall Movement" is triggered in Night Mode, the Living Room Light is turned on for 10 seconds. Test this by pressing the Zone 3 switch momentarily. Output 1 will turn on for 10 seconds.

Day Mode is another semi armed mode where interior motion detectors are not armed but doors and windows are armed. Exit is also not required like Night Mode. Press Day Mode to arm the system to this mode.

KT03 also has a keypad page which does the same function as the KP06

Alarm Actions

If the system is armed, the Hall Movement (zone 3) or Kitchen window (zone 4) will trigger the Intruder Alarm. This causes the siren to sound on keypads and external sirens. The lights are programmed to flash on and off. Each of the 31 Alarm Types in Comfort can be programmed to do any Response including switch on or flash lights in the house. To disarm, enter the user code 1234# on the keypad. The keypad says "Security Off" and announces the Alarm History. Press F on the keypad to stop the talking.

GSM Module

Insert a SIM card into the SIM card holder of the UCM/GSM. The SIM card should not be locked by password. UCM/GSM can be used to call or SMS to programmed telephone numbers or to allow SMS messages to control the security system and automation devices.

The UCM/GSM is an optional module which can be used in place of a telephone line for Comfort to dial out in the event of alarm. Comfort TEL In connector is for a telephone landline to connect to Comfort. The TEL OUT connector is to connect to the telephones in the home. When UCM/GSM and the telephone line are both connected, Comfort will try to dial out by the telephone line, but if the telephone line has been cut, will use the UCM/GSM as a backup for dial-out.

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However when SMS is specified as one of the 8 telephone numbers, Comfort will send SMS via the UCM/GSM only.

To program the Phone number to send SMS, use the keypad or Comfigurator. Using the keypad,

- Press F6 on the keypad. The keypad says "Please Sign in"
- Enter the user code 1234#. The keypad says "Select Phone". This means select one of the 8 phone numbers which can be programmed for dial-out.
- Press 1 for Phone # 1. The keypad says "No Phone, Press 1 for Voice Phone, 4 for Monitoring, 6 for SMS".
- Press 6 for SMS. The keypad says "SMS, Enter new number and # key"
- Enter the phone number and # key. The keypad will repeat the number entered
- Press F to end

Alternatively, use Comfigurator with UCM/USB or ETH02 to program the phone numbers.

You can program up to 8 numbers for SMS or Voice Phone. When the phone number has been programmed for SMS, arm the system to Away, Night or Day Modes. If the System Armed alarm type is programmed for dial out, the programmed phones will receive an SMS

Cytech Demo - 19 System Armed - 240 Keypad

If there is an alarm (e.g. by the window or door), this will send an SMS to the phone

Cytech Demo - 01 Intruder Alarm - 04 Kitchen Door

If the system is disarmed (enter 1234#) on keypad, the SMS received it

Cytech Demo - 17 Security Off - 01 User 1

The SMS message tells which user armed and disarmed the system and which zone caused the alarm.

You can send SMS messages to control the security and automation in Comfort

E.g. send these message to the GSM number.

- (4011) Living Room Light On
- (4010) Living Room Light Off
- (4021) Bedroom Light On
- (4020) Bedroom Light Off
- (4031) Aircon On
- (4030) Aircon Off
- (4001) All Off
- (4000) All On
- (11) Arm to Away Mode
- (12) Arm to Night Mode
- (13) Arm to Day Mode
- (10) Disarm security

When sending SMS to Comfort enter (and the number code followed by). All text outside the () characters are ignored. Only Phone numbers which are programmed in Comfort Phone numbers are allowed to send SMS to Comfort.

RC01 Remote Control

The RC01 remote control can send commands to Comfort by IR signals. The KP06 and KT03 have built in IR receivers

The programming is as follows

- Scene A - All Lights, AC On
- Scene B - All Lights, AC Off
- Scene C - Bedroom Light on
- Scene D - Bedroom Light off
- Scene 1 - Bedroom Light, AC On
- Scene 2 - Bedroom Light, AC Off

The buttons and scenes can be programmed to activate any Response in Comfort.

iPhone App

Download the free Comfort iPhone App from iTunes by searching for Cytech Comfort. This requires the UCM/Eth02 to be connected to your LAN. Please refer to instructions at <http://www.comfortforums.com/forum96/2372.html>

Upload the ev003.cclx file to the cytech server to send an email to your iPhone/iPad.

Programming Comfort

The EV003 program should be found in the USB drive called ev003.cclx This file will give a good example of how to program Comfort.

Refer to the UCM Manual for how to connect Comfort to a PC and Programming with Configurator manual for instructions for the software. Manuals can also be found on the website <http://www.cytech.biz/manuals.html>

For further assistance, please email to support@cytech.biz or register on the Comfort Forums at <http://www.comfortforums.com/>

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