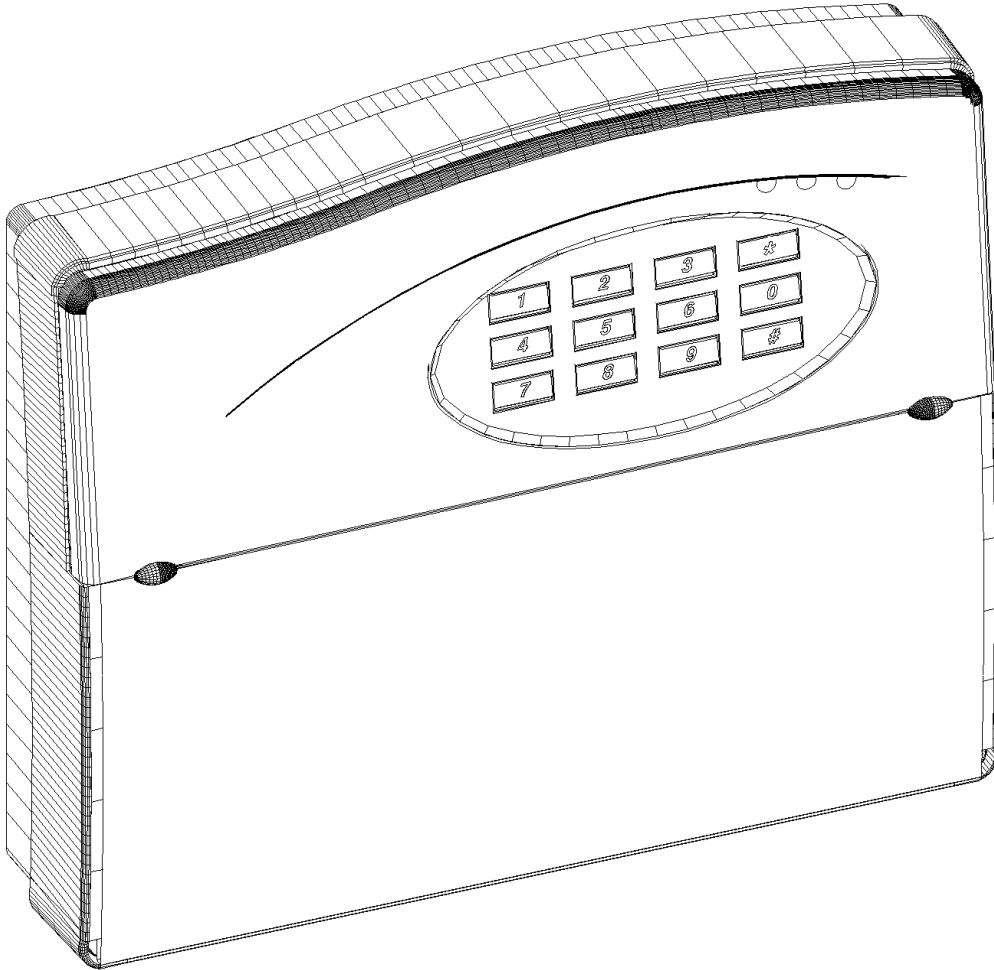


# USER MANUAL



CHALLENGER VIII CONTROL PANEL

5-051-718-00



**WARNINGS**

This product has mains voltage present within the housing. Please take the necessary precautions in not allowing any liquid to spill on or into the housing.

There are no user serviceable parts inside this product.

## STANDARDS

This unit conforms to ECD 89/336/EEC & LVD 73/23/EEC. This unit has been tested to the required standards for emission, immunity and LVD regulations as set out by the EEC. This unit complies with EN50131-1 which relates to security control equipment.

## PRODUCT DESCRIPTION

The Control panel is an 8 zone programmable microprocessor control panel using state of the art technology and building techniques. The Control panel has many advanced features that can only be found in more expensive control panels such as two user codes, Chime, Fire, and Keypad PA. There are many options in the programming functions to allow the control panel to be versatile and user friendly. This allows the Control panel to be the ideal choice of your installer.

This product has been carefully designed and tested to give many reliable years of service, please make sure the Control panel is regularly serviced at least once a year by your installer.

## INSTALLER INFORMATION

NAME	
COMPANY	
INSTALLATION DATE	
TELEPHONE	
FAX	
MOBILE	
OTHER INFORMATION	

**Manufactured For City Electrical Factors By C&K Systems Ltd.**

## 1:0. FULL SET.

To fully arm the system insert your user code, then leave the premises by the authorised exit route. The continuous exit tone will sound from the control panel and from any remote keypads fitted. Any pulsed tones should return to a continuous tone once you have left the building and the sensors have cleared. The control panel will arm after the exit timer has run out, at this point the tone should cease. If for any reason the tone does not go continuous after all the sensors have cleared, return back to the panel or remote keypad and press # to abort the setting procedure. If the internal sounder activates after the timer has expired, return back to the control panel or any remote keypad and insert your user code and press #. Now refer to fault clearing. (section 15:0)

## 2:0. NIGHT SET.

To night set the system insert your user code and then press \* then 0. The zones pre-programmed to be isolated will start to flash and the internal speaker and any remote keypads will emit a low pitch continuous tone. If any zones are activated while leaving the protected area the sound will change to a pulsed tone. These should return to a continuous tone once you have left the protected area and the sensors have cleared. The control panel will arm after the exit timer has run out and the tone should cease. If for any reason the tone does not change to continuous after you have left the protected area press # to abort the setting procedure. If the internal sounder triggers after the panel has set, return back to the control panel or any remote keypad and insert your user code and press #. Now refer to fault clearing.(section 15:0)

## 2:1. HOME SET.

To home set the panel enter your code followed by \* 8. This will isolate any chosen zones programmed for isolation. Please note that this setting method can allow the isolation of ALL entry routes. Follow the above paragraph for guidance regarding exit tones etc.

## 3:0. MANUAL ISOLATION OF ALARM ZONES .

There may be occasions when you need to isolate zones other than the zones pre-programmed, arm the system as in 1:0. or 2:0. then press \* then the zone number you wish to isolate. That zone will flash indicating a successful isolation, if you want more zones isolated press \* and another zone. If any zone is barred from isolation an error tone will be emitted.

Zones that cannot be isolated

Fire  
PA  
Tamper  
Zone 1 in Full Set  
Zone 8

FULL SET

NIGHT SET

HOME  
SET

ZONE  
ISOLATION

**4:0. DISARMING THE SYSTEM.**

Enter the protected area by the authorised entry route, a single continuous tone will be made from the speaker and from any remote keypads fitted. Proceed directly to the control panel or keypad and insert your user code whereby the system will disarm. If the entry tone from the speaker changes to rapid pips then you have less than 10 seconds to disarm the system.

**5:0. TAMPER FAULTS.**

Your control panel is equipped with a common tamper circuit giving protection from unauthorised handling. If the tamper circuit is broken during any unset period the internal sounder will trigger and the tamper light will illuminate. Proceed directly to the panel or any remote keypads and insert your user code, the internal sounder will stop and revert to a low two tone sound. Press the # key the panel will reset, if the tamper light continues to flash then the cause of the tamper condition is still present. Now refer to fault clearing. (section 15:0)

**6:0. DISARMING AFTER AN ALARM****6:0:1. AFTER THE PANEL HAS AUTO RESET.**

Enter the protected area by the authorised entry route, an intermittent tone will be made from the speaker, proceed directly to the control panel or keypad and insert your user code, the system will disarm, the zone/s will light on the control panel to indicate the cause of the alarm, refer to panel reset section 14:0 to clear the panel.

The first to alarm will show a constantly illuminated light.  
Subsequent alarms are shown as fast flashing lights.  
Zones that were isolated are shown as slow flashing lights.

**6:0:2. WHILE PANEL IS IN ALARM**

Go directly to the control panel or remote keypad and insert your user code, the system will disarm, the zone/s will light on the control panel to indicate the cause of the alarm, refer to panel reset to clear.(section14:0)

The lights follow the same descriptions as above in section 6:0:1.

**7:0. PERSONAL ATTACK.**

If your system has a personal attack button fitted this will be linked into the alarm system as a 24hr device. This means the PA button will be live all the time. If the PA is pressed all the sounders will operate and bring up the zone light programmed as PA. Proceed directly to the panel or any remote keypads and insert your user code, the sounders will stop and revert to a low two tone sound. press the # key the panel will reset, if the zone light continues to flash then the cause for the personal attack condition is still present. Go to the personal attack button/ s and reset with the special key provided, the zone light should go out. If the light continues to flash refer to fault clearing.(section 15:0)

**Note:** If the panel is armed and a PA is activated, you will need to disarm the system as explained in section 6

## 7:0:1. PERSONAL ATTACK FROM REMOTE KEYPAD

If your installer has fitted you a remote keypad then the \* & # key can be programmed by the installer for personal attack. If this is the case then pressing and holding the \* & # key together will activate the alarm system as in 7:0. The only difference is that the tamper light will illuminate. Insert your user code, the sounders will stop and revert to a low two tone sound. Press the # key and the panel will reset.

## 8:0. FIRE.

Your installer may have linked some smoke detectors to the control panel, these act very similar to PA devices with the exception that when activated in an unset condition, the internal sounder will give a loud whooping sound and the external sounder will pulse in 2 second intervals. When the panel is set, the external sounder will constantly sound. **Make sure that every one exits the premises.** When you are sure that it is safe to return back, proceed directly to the panel or any remote keypads and insert your user code. The sounders will stop and revert to a low two tone sound. Press the # key the panel will reset.

# USER FUNCTIONS & OPTIONS

## 9:0. CODE CHANGE.

There may be times that you need to change your user code. There are 2 user codes that can be utilised. To help you remember your new code, write it down **before** changing it and after you have successfully changed and memorised the code destroy the written code. Remember, try not to use obvious codes such as 1066 or the current year. To change **user code 1** from the panel or remote keypad enter your existing user 1 code then press **\* then 9 then (1)**, four lights will illuminate, enter your new 4 digit code. For every digit pressed of your new code, one light will extinguish. Once your new code is entered the panel will give you an accept tone, if the panel does not accept your code then you may be in conflict with user code 2 or the engineering code, the panel will abort the code change and retain your old code. Try again with a different code. Check your new code is functioning correctly by performing a full or night set then abort by pressing #.

To change **user 2 code** go through the above procedure but press **\* then 9 then (2)**.

Panel Default Code is 1,2,3,4 for user 1 code.

User 2 code is disabled by default.

PERSONAL  
ATTACK FROM  
REMOTE  
KEYPAD

FIRE

CODE CHANGE

### User code access levels.

User 1 code can alter both user codes.

User 1 code can disable user 2 code . ( To disable user 2 code changed user 2 code to 0000)

User 2 code has the same setting rights as the user 1 code

User 2 code cannot alter the user 1 code

If for any reason you loose your code or mistype in a code when changing it, the installer will need to be contacted to default the panel codes.

### 10:0. SOUNDER TESTS

It is advisable to check the system is working correctly every week and especially the sounders. To do this go to the panel or remote keypad enter a user code then press \* then 9. Each of the tests lasts for 5 seconds. All the lights on the control panel will illuminate, then the lights will go out and the internal siren will activate (proceed outside where the external sounder is fitted). The external sounder will trigger then the external strobe will flash (if fitted and enabled) and then the panel will clear down. The test is now complete.

#### QUICK CHECK

Enter code then, \*, 9 .

All lights on.

Internal sounder.

External Sounder.

Strobe.

Panel clears.

} EACH CONDITION IN 5 SECOND INTERVALS

Test Ended

### 11:0. WALK TESTING

It is advisable to check that the detection devices are communicating with the panel. This kind of testing should be performed every 3 months. To do this go to the panel or remote keypad enter user code 1 or 2, then press \* then 9 then 4, the internal sounder will give a single pitched sound, when any detector is triggered or contact opened the internal sounder will give a loud pulse and the zone light will illuminate. Clear the detector or close the contact and the sound will revert back to the single pitched sound, proceed to the next detector or contact until you have completed all the zones, when you are satisfied with the walk testing press \* to exit the walk test mode.

**Quick check**  
Enter code then, \*, 9 ,4  
Walk test the zones  
Press \* to finish

**Zones that cannot be walk Tested are:**  
Fire  
PA  
Tamper

## 12:0. CHIME.

A feature of the Control panel is the ability to have chime on a zone when the panel is unset. This feature will emit a chime tone via the speaker whenever a zone is activated. To achieve this press the \* key and the number key that represents the zone(s) you want on chime. The light for the zone will illuminate. Press \* to accept the zones on chime. To remove a zone on chime press the \* key and the zones will light up that are currently active. Press the key that represents the zone, the light will go out, chime is now disabled on that zone. Press \* key to finish. **This feature is only active when enabled by your installer.**

<b>Quick check</b>		<b>Zones that cannot have chime are:</b>
CHIME ON	CHIME OFF	Fire
Press *	Press *	PA
Key in zone	Key in zone	Tamper
light will come on	Light will go out	
Press * to finish	Press * to finish	

## 13:0 LOGS.

The Control panel has the ability to look at the last set and unset conditions of the panel as well as the last alarm conditions. This is useful if the panel has been reset and you need to find the zone that caused the alarm.

To do this enter user code 1 or 2 and press \* then 9 then 3. You will hear a continual tone which denotes you are viewing the last set condition. There may be no lights illuminated as there may not have been an alarm during the last set condition. Pressing the # key will turn off the sounder and show the last unset condition. By now pressing 0 you will show the last ALARM condition that was during an UNSET period (no matter how long ago that alarm was). Pressing # will bring the sounder back on and will show the last ALARM condition during a SET period. Press \* to finish.

### Quick check

Enter code then, \*, 9 ,3.

Now showing last set condition.

Press # to show unset event's.

Press 0 for last alarm condition when unset.

Press # to show last alarm condition when set.

Press \* to finish.

Light on constant = alarm activation

Light pulsing fast = subsequent alarms

Light pulsing slow = zone was isolated

Sounder ON.

Sounder OFF.

Sounder OFF.

Sounder ON.

## 14:0. RESETTING THE ALARM SYSTEM.

If the alarm system has activated you will need to reset the panel, make a note of the zone that caused the activation for future reference. Insert your user code, the internal sounder will give a low two tone sound, press the # key and an accept tone will be given and the activated zone light will go out and the panel will reset. The system is now ready for use.

## 15:0. FAULT CLEARING.

SYMPTOM	CAUSE	ACTION
Zone light on continuous in day	Alarm activated	Do a panel reset
Tone pulsing on exit	Zone in Fault	Leave protected area and wait for tone to go continuous.
Tone continues to pulse after exit	Zone in Fault	Check for open doors, or a detector is in fault, call your installer
Alarm triggers on exit	Timer ran out	Go quicker to exit or call your installer to extend exit time
Alarm triggers on entry	Timer ran out, deviated from entry route.	Follow entry procedure, call your installer to extend entry time
Tamper light continuous to flash	Tamper fault	Call Installer
No Mains Light	Mains off, fuse blown	Switch mains on, check other mains appliances, call electricity supplier or installer
Panel appears dead (no mains light)	battery not taking over	Check mains is on. Call installer to check battery.

ZONE No	AREA COVERED
1	
2	
3	
4	
5	
6	
7	
8	

### Please Note:

We are always endeavouring to improve quality and specification of all products. To this end we may alter or amend this product and instructions without notice.