

# KEYPAD ACCESS CONTROL



SMART GUARD™

SMART GUARD™  
air

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The **SMARTGUARD** (hard-wired) and **SMARTGUARDair** (wireless) access control keypads provide diagnostic feedback via a collection of tri-colour LEDs on the face of the unit, as well as an onboard buzzer which will alert users to any errors in its operation.

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# HOW TO USE THIS GUIDE

The purpose of this guide is to equip users with the necessary skills for accurately diagnosing and resolving any technical challenges which may be encountered while working on Centurion access automation products.

The document is divided into different sections, each referring to a specific Centurion product or range of products, and each section is further divided into the different symptoms typical to the product in question.

Furthermore, diagnostic messages are categorised according to the stage of operation during which they are most likely to occur, be it during setup or normal operation. A category also exists for 'Information Screens'.

The information screen or indication will in each case be presented first, followed by a list of possible symptoms associated with the product in question, possible cause(s) of the diagnostic message and, lastly, all the possible means of resolving the problem will be documented. This system provides the user with a simple means of cross-referencing when performing troubleshooting and diagnostic exercises.



## Icons used in this guide

### DIAGNOSTIC INDICATION

**This is the audible or visual feedback provided by the operator.**

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#### Symptom



Refers to the physical behaviour of the operator. For example, a gate not responding to a valid trigger would be a symptom.

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#### LED output



The visual feedback provided by a system's Status LED, which will flash at a specific frequency to indicate a fault condition.

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#### Audible feedback



The feedback provided by the controller's onboard buzzer.

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#### Cause



The underlying reason for an operator behaving a certain way.

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#### Solution(s)



The course of action needed to resolve a fault and return the device to normal operation.

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**Symptom: Entering the correct access code does not activate the relay/device that the keypad is connected to**

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**LED output: Green LED illuminates**



**Possible causes**

- The code has been programmed to activate Output 2 or 3 (SMARTGUARD)
- Device has not been paired to a Centurion code-hopping receiver (SMARTGUARDair)



**Solutions**

- Program the code to activate Output 1
  - Enter Programming Mode = \* Master Code\*
  - Select Add Menu = 1 #
  - Enter User Address = Address #
  - Enter Access Code = New access code #
  - Select Channel = Channel 1#
  - Enter Access limit = [Accesses] #
  - Exit Add menu = #
  - Exit Program Mode = #
- Pair the keypad with a Centurion code-hopping receiver (SMARTGUARDair)
  - Place the receiver into Learn Mode
  - Enter a valid access code on the SMARTGUARDair, followed by #. The SMARTGUARDair will now transmit for a short time, and will pair with the receiver
  - Exit Learn Mode on the receiver
  - Test the system by entering a valid access code, followed by #



**Symptom: Entering the correct access code does not activate the relay/device that the keypad is connected to**

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**LED output: Red LED illuminates**



## Possible causes

- The access code has not been learned into memory
- The access code was learned into memory with an access limit set



## Solutions

- Learn the access code into memory:
  - Enter Program Mode = \* Master Code\*
  - Select Add Menu = 1 #
  - Enter User Address = Address #
  - Enter Access Code = New access code #
  - Select Channel = Channel #
  - Enter Access limit = [Accesses] #
  - Exit Add menu = #
  - Exit Program Mode = #



**Symptom: Entering the correct access code does not activate the relay/device that the keypad is connected to**



**LED output: Red LED triple-flashes rapidly every four seconds. The tone of the onboard buzzer will also be different from its normal pitch when pressing keys**



## Possible cause

- Battery voltage low (SMARTGUARDair)



## Solutions

- Replace batteries



**Symptom: Entering the correct access code does not activate the relay/device that the keypad is connected to**



**LED output: Green and red LEDs flash in sequence**



### **Possible cause**

- Code has been incorrectly entered three times
- Inadvertently changed access code when editing settings



### **Solutions**

- Make sure that the code entered is correct
  - Learn the code again
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### **Symptom: Electric gate lock not being activated**

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### **Possible cause**

- Incorrect wiring



### **Solution**

- Refer to wiring diagram in installation manual

# APPENDIX G

## COMMONLY USED KEYPAD MENUS

### Adding a code

Enter the following keystrokes:

- |                       |               |
|-----------------------|---------------|
| 1. Enter program mode | *Master Code* |
| 2. Select add menu    | 1#            |
| 3. Enter user address | Address#      |
| 4. Enter access code  | Code#         |
| 5. Select channel     | Channel#      |
| 6. Enter access limit | [Accesses]#   |
| 7. Exit add menu      | #             |
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### Deleting a code

Enter the following keystrokes:

- |                       |               |
|-----------------------|---------------|
| 1. Enter program mode | *Master Code* |
| 2. Select delete menu | 2#            |
| 3. Enter user address | Address#      |
| 4. Exit delete menu   | #             |
| 5. Exit program mode  | #             |
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### Changing the relay time (hard-wired model only)

Enter the following keystrokes:

- |                       |               |
|-----------------------|---------------|
| 1. Enter program mode | *Master Code* |
| 2. Select output menu | 3#            |
| 3. Enter channel      | Channel#      |
| 4. Enter pulse time   | Seconds#      |
| 5. Exit output menu   | #             |
| 6. Exit program mode  | #             |
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### Changing the master code

Enter the following keystrokes:

- |                       |                             |
|-----------------------|-----------------------------|
| 1. Enter program mode | *Master Code <sup>1</sup> * |
| 2. Select KwikLearn   | 0#                          |
| 3. Enter address      | 0#                          |
| 4. Enter a new code   | Code                        |

<sup>1</sup>Default master code = 1 2 3 4