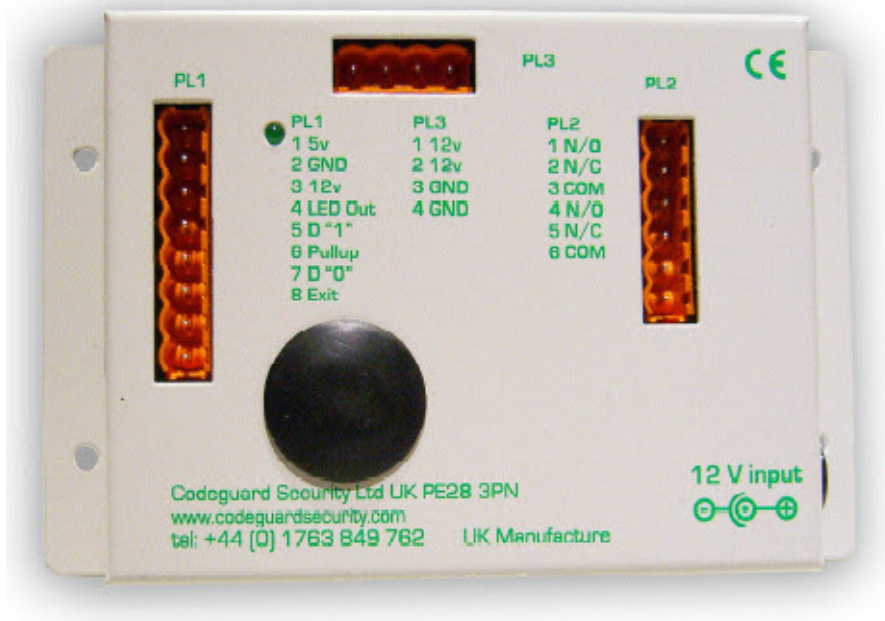


# SLC-1 Single Lock Controller



## Purpose of this manual

This manual is to be used to assist with the installation of the Single Lock Controller SLC-1. It is expected that the SLC-1 will be installed by competent and experienced engineers.

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# Installation Manual

1st Edition (Revision 1.3D)  
Serial No. 10340 and higher

## Introduction

The SLC-1 Single Lock Controller is an effective low cost high security lock controller. The controller utilises state of the art low power microelectronics for high reliability and low maintenance. It will accept any valid Wiegand code learnt from the host keypad or reader without the need of a PC or costly software.

Learn mode is simple to set either prior to installation or on-site. Once the code has been learnt and stored in the controller's non-volatile memory any subsequent loss of power will not affect the learnt code.

Once programmed the controller will respond to a valid Wiegand code sent by the reader and will hold the relay on for the time period as set by the preset switches.

A time delay to hold the latch open is preset at the time of installation.

Access code and time delay can be reset at any time by the system administrator.

### IMPORTANT NOTE:

To ensure the security and integrity of the installation the controller module must be mounted in a secure area or enclosure where it cannot be tampered with. i.e. On the safe / secure side of the installation.

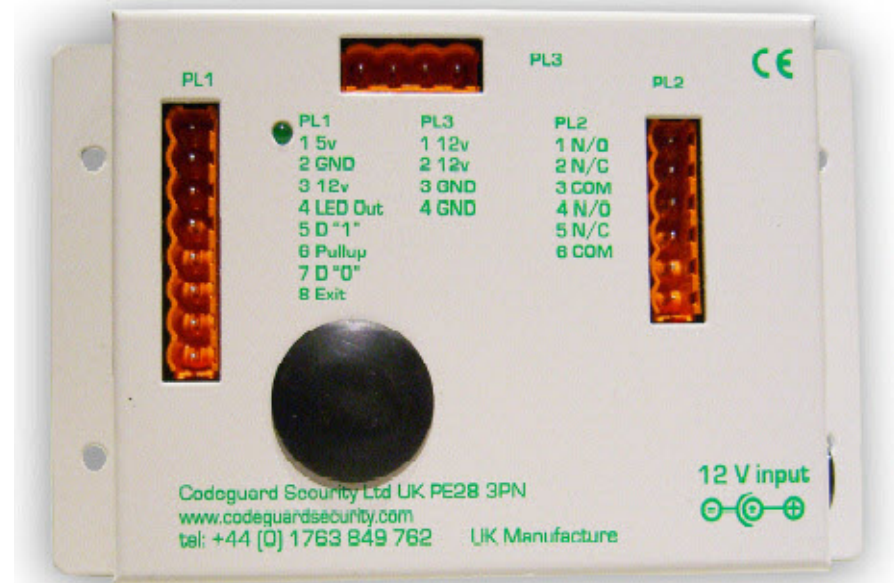
## Specifications

|                       |  |
|-----------------------|--|
| Power requirements:   | 12V to 14V DC 0.5 amps to 2.0 amps lock type dependent   |
| Relay contact rating: | 2 A @ 220V DC, 250V AC RMS   |
| Operating conditions: | 5 to 122 °F [-15 to +50 °C]<br>Relative humidity: 0% to 90% (non-condensing)                     |
| Relay:                | 2 pole changeover contacts rated at 250V AC @ 2 amps<br>220V DC @ 2 amps<br>Power rating: 125 VA |
| Time Delay:           | Programmable for: 1, 2, 5, 10, 15, 20, 25 and 30 seconds   |
| Secure side exit:     | Contact closure by push button   |
| Weight:               | 325gms   |
| Dimensions:           | Width: 140mm Height: 95mm Depth: 25mm  |

### Optional Power Supply:

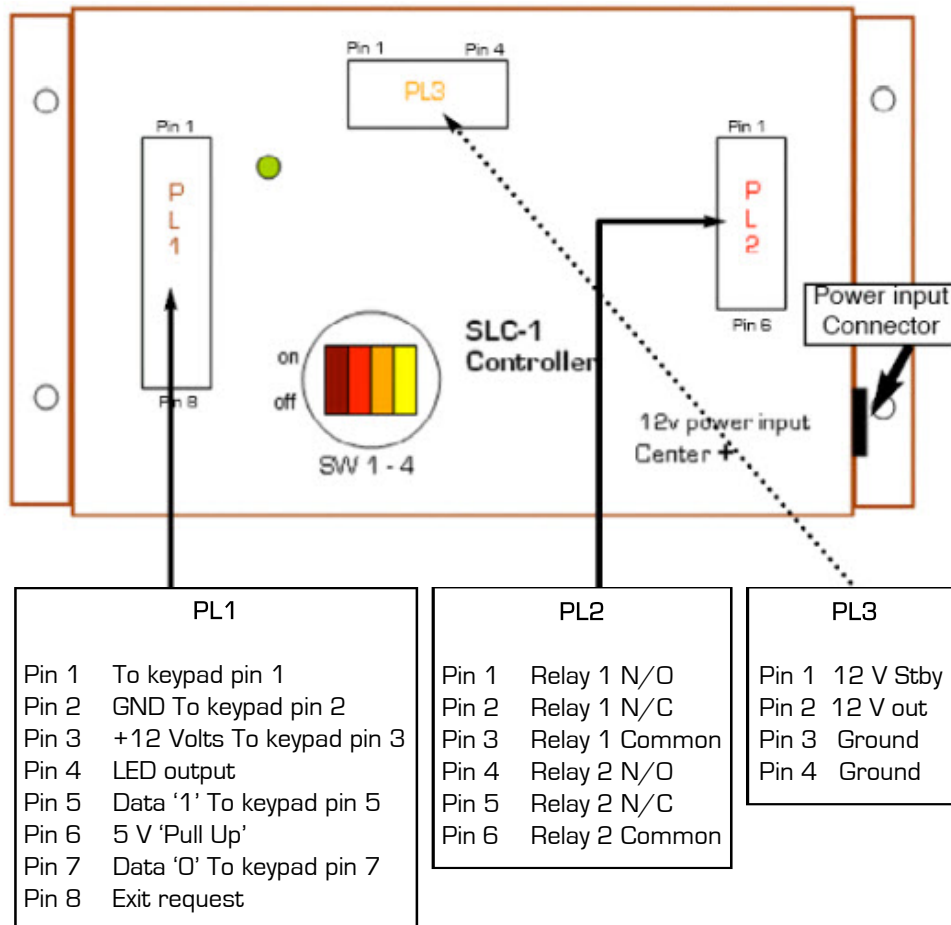
|                                |                                       |            |                  |
|--------------------------------|---------------------------------------|------------|------------------|
| Part number:                   | SLC-PSU3                              | Connector: | 2.1mm Power Jack |
| Input:                         | 80V to 230V 48 - 63 Hz                | Output:    | 12V DC 3 amps    |
| Weight:                        | 380 gms                               |            |                  |
| Dimensions:                    | Width: 114mm Height: 56mm Depth: 33mm |            |                  |
| Thermal and Overload protected |                                       |            |                  |

## Features



- \* Low cost high security control system
- \* Simple on-site programming of Delay Time and PIN Code. No PC required
- \* Timer programmable between 1 and 30 seconds in 8 increments
- \* PIN Code programmable 1 to 9 digits in length
- \* Power loop through for lock control
- \* Standby input for battery backup
- \* Internal 'Exit request' facility
- \* Applications include secure equipment operation, access control, strong rooms and vaults etc.
- \* Signal output to drive LED or Sounder

## Layout and Wiring Connections



### Important Notes:

Do not connect system power to PL3. You must use the Power Input Connector.

- 1) Installer must provide adequate fused protection from power supply via coax power input connector and to lock supply via PL3 Pin2.
- 2) Link Pin1 and Pin6 on PL1 if host keypad does not provide Data Pull-up.
- 3) An inline fuse rated at 2A max is recommended for both power input and lock.
- 4) Keypad connections PL1 applies to CODEGUARD keypad model SERIII-W. Other Wiegand format keypads or readers may be used. Refer to reader manufacturers' manual for connection details.

## Programming

Remove rubber plug located on the front panel and follow the procedure below:

### Set Delay Time

Timer: Programmable 1 to 30 seconds in eight increments

To Program:

Remove power from system.  
Set switches as below to hold relay closed for the required time.  
Restore power to system and the new hold time is set.

|          | 1s | 2s | 5s | 10s | 15s | 20s | 25s | 30s |
|----------|----|----|----|-----|-----|-----|-----|-----|
| 1 Brown  |    |    |    |     |     |     |     |     |
| 2 Red    | 0  | 1  | 0  | 1   | 0   | 1   | 0   | 1   |
| 3 Orange | 0  | 0  | 1  | 1   | 0   | 0   | 1   | 1   |
| 4 Yellow | 0  | 0  | 0  | 0   | 1   | 1   | 1   | 1   |

### Set Entry Code

To Program:

Apply power to system.  
Set switch '1' to ON and input required code from reader up to 9 digits and terminate with '#'. Remove power and reset switch '1' to Off and the new code is set.

To change the code repeat the above procedure.

When using the CODEGUARD SCRAMBLING keypad it should be set to mode '0' for up to a nine digit PIN code. When the CODEGUARD keypad is set to mode '2' (four digit) the code is automatically transmitted to the SLC-1 after the fourth digit is entered.

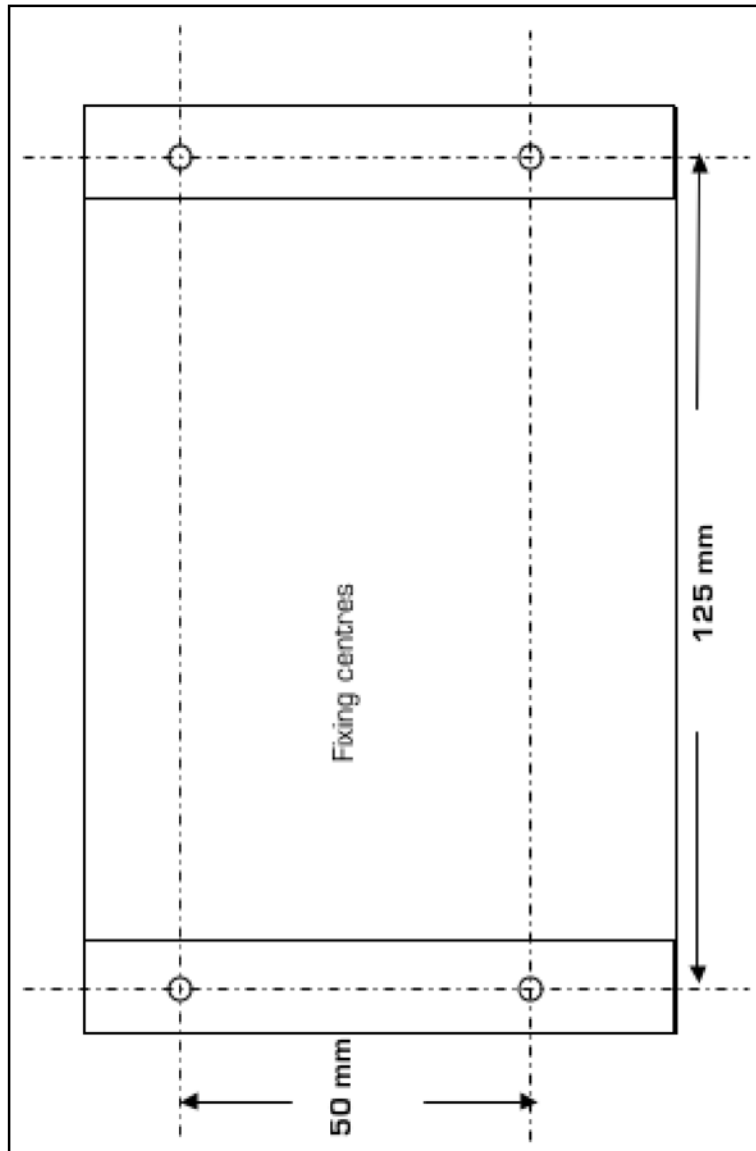
### Typical wiring schematic

Refer to [www.codeguardsecurity.com](http://www.codeguardsecurity.com)

## Mounting Template (not to scale)

Weight:  
325gms

Dimensions:  
Width: 140mm  
Height: 95mm  
Depth: 25mm



## Warranty

CODEGARD SECURITY LTD. (The Company) warrants that all models of SLC-1 are free from defective materials and workmanship for a period of two years from the date of invoice to the initial purchaser. Unauthorised additions, modifications, or usage in violation of recommendations or instructions contained in this manual will invalidate the warranty.

Defects covered by this warranty will be remedied free of charge provided that the products are returned to The Company, (or as directed by The Company), transportation charges pre-paid. If, upon examination, it is found that the defect is not within the scope of this warranty, a statement of charges to repair or replace will be supplied. No action will be taken until The Company receives authorisation to proceed. Return transport charges will be paid by The Company.

SLC-1 will invariably be used in conjunction with other equipment and many versions of SLC-1 may be manufactured over a period of time. This warranty specifically excludes any liability of The Company for defects or malfunction of any parts of a system, (other than SLC-1 or any additional items manufactured by The Company) and under no circumstances shall The Company be liable for consequential loss or damage arising out of any defect or malfunction of its products.

The SLC-1 contains no user servicable parts. Tampering with the product invalidates all warranties.

## Contact Information

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