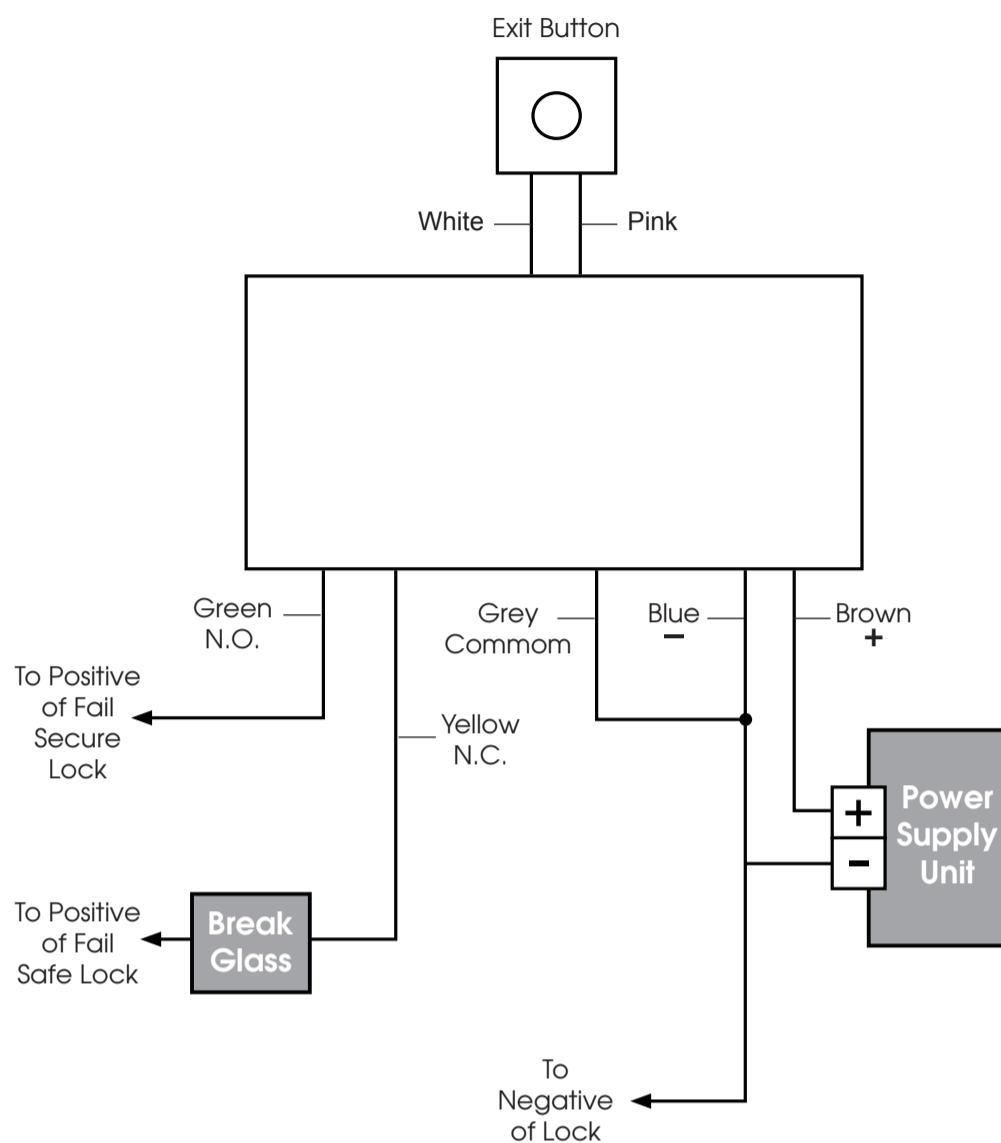**Read all instructions before starting installation**

MOUNTING INSTRUCTIONS

✋ Drill mounting using template provided.

Connect keypad using wiring description.

NB 🔨 For 12vDC inductive loads such as electric strikes and electromagnetic locks, the enclosed 12vDC metal oxide varistor must be connected in parallel with the load, at the load terminals and not in the keypad.

NB 🔨 Ensure power supply is of correct rating, taking into account the current requirements of the locking items and accessories.

✖ Do not insert security plugs into fixing holes until all installation and testing has been completed. These items require drilling out and cannot be re-fitted.

Wiring description

Brown	Power Supply Inputs 12-24v AC/DC, 1.3W
Blue	Power Supply Inputs 12-24v AC/DC, 1.3W
Grey	Relay common
Yellow	Relay N.C.
Green	N.O.
White/Pink	Remote opening door (DRY CONTACT ONLY)

Exit Button

White — Pink

Green N.O. — Grey Commom — Blue − — Brown +

To Positive of Fail Secure Lock

Yellow N.C.

To Positive of Fail Safe Lock — Break Glass

Power Supply Unit + −

To Negative of Lock

ACTIVATION

LED signalling explanation

BLUE LED	Default lighting	
GREEN LED	Door Strike activated	
RED LED	Normal Operation:	3 seconds ON = wrong code entry
		Slow flashing = wrong code entry 3 times
RED LED	Programming Mode:	Fast flashing = programming different functions
		Slow flashing = programming stand-by
		Very fast flashing = erasing all user codes

TROUBLE SHOOTING

The keypad does not "respond" when activating the keys.

1. Make sure the electronic unit has been properly wired to the PSU and the power has not been cut-off.

The keypad "responds" but the door does not open.

1. Make sure the Green LED is illuminated.
2. If not, the entered code has not been programmed yet. Please refer to "Programming".
3. Enter the Master Code and make sure the door opens correctly. If not, check the wiring and the Lock's integrity.

INITIALISATION

Apply power to the keypad. The keypad's buzzer will sound briefly, the Red LED will illuminate briefly. Initialisation is now complete, with a default master code of 1-2-3-4 and a 5-second open door.

TESTING THE UNIT

Enter the master code (1 2 3 4 #)
The Door Relay changes its contacts for 5 sec.
The Green LED will light up for 5 sec. Repeat this step 2,3 times.
If the master code is wrongly typed in, the Red LED lights up for 3 sec. re-enter the Code as soon as the LED goes OFF.

IMPORTANT: CHANGE THE FACTORY SET MASTER CODE WHEN YOU PROGRAM YOUR UNIT FOR USE. THERE IS NO WAY TO RECOVER THE NEW MASTER CODE IF IT IS LOST OR FORGOTTEN. THE UNIT CAN BE RESET TO FACTORY PRESETS AND CUSTOMISED AGAIN. See Data Reset

PROGRAMMING THE KEYPAD

Enter ★ ★1 2 3 4 ★ ★
The keypad enters programming mode, the Red LED flashes. *If no further information is added, the unit will revert to normal operation after a 12 second delay. To exit programming press #.*

There are 8 programming options:

1. Set new master code
It is suggested the Master Code is not changed until person programming is familiar with all aspects of programming the keypad!

2. Set new user code

3. Erase a user code

4. Erase all user codes

5. Set door open time (1-99s)

6. Set door output to latch option

7. Set 'remote opening' time (1-99s)

8. Set 'remote opening' to latch option

Read all instructions before starting installation

PROGRAMMING THE KEYPAD CONTINUED...

1 To set new master code
TAKE TIME TO ALLOW EACH BUTTON INPUT / LED TO REGISTER

Enter	★★ 1 2 3 4 ★★	The keypad enters programming mode, the Red LED flashes
Enter	2	The Red LED illuminates for 2 seconds and then flashes
Enter	0-0-0#	The Red LED illuminates for 2 seconds and then flashes
Enter	new 4-8 digit code	This is the new master code, record the number and keep it safe
Enter	#	The Red LED illuminates for 2 seconds and then flashes
Re-enter	the new master code	The Red LED illuminates for 2 seconds and then flashes
Enter	#	
Enter	#	To exit programming mode

To set a new master code of 112233
Enter ★★ master code ★★ 2 000# 112233# 112233# #

2 To set a new user code

Enter	★★ master code ★★	The keypad enters programming mode, the Red LED flashes
Enter	2	The Red LED illuminates for 2 seconds and then flashes
Enter	address of new user code	i.e. 001 (001-200 accepted)
Enter	#	The Red LED illuminates for 2 seconds and then flashes
Enter	new 4-8 digit user code	This is the new user code, record the number and keep it safe
Enter	#	The Red LED illuminates for 2 seconds and then flashes
Re-enter	the new 4-8 digit user code	The Red LED illuminates for 2 seconds and then flashes
Enter	#	The new code is added, to add new codes continue from second step, changing the address each time. When finished enter an additional # to exit programming mode.
Re-Enter	2 to set the next code or # to EXIT	

To set a new user code of 6626 in address 1
Enter ★★ master code ★★ 2 001# 6626# 6626# #
To set a new user code of 6626 in address 1 & 7788 in address 2
Enter ★★ master code ★★ 2 001# 6626# 6626# 2 002# 7788# 7788# #

3 To remove an individual user code - *Only the user code addresses are removable, the master code may be changed but not removed*

Enter	★★ master code ★★	The keypad enters programming mode, the Red LED flashes
Enter	3	The Red LED illuminates for 2 seconds and then flashes
Enter	address of user code to be removed	Example 001 (001-200 accepted)
Enter	#	The red LED illuminates for 2 seconds and then flashes (Address accepted)
Enter	address of user code to be removed	Example 001 (001-200 accepted)
Enter	#	The red LED illuminates for 2 seconds and then flashes the code is removed
Enter	#	Exit programming mode

4 To remove all user codes

Enter	★★ master code ★★	The keypad enters programming mode, the red LED flashes
Enter	4	The Red LED illuminates for 2 seconds and then flashes
Enter	master code	
Enter	#	The Red LED illuminates for 2 seconds and then flashes 40 sec. All user code addresses are removed
Enter	#	For exit programming

5 To set lock open time

Enter	★★ master code ★★	The keypad enters programming mode, the Red LED flashes
Enter	1	The Red LED illuminates for 2 seconds and then flashes
Enter	door open time	(01-99) Ex. 05 = 5 seconds
Enter	#	The Red LED illuminates for 2 seconds and then flashes
Enter	#	For exit programming

To set the door open time to 10 seconds
Enter ★★ master code ★★ 1 10 # #

6 To set output relay to latching mode (On-Off)

Enter	★★ master code ★★	The keypad enters programming mode, the Red LED flashes
Enter	1	The Red LED illuminates for 2 seconds and then flashes
Enter	00	
Enter	#	The Red LED illuminates for 2 seconds and then flashes
Enter	#	The relay is set to latching mode

TO PROGRAM THE RELAY FOR A TIMED FUNCTIONING PLEASE PERFORM PROCEDURE 5.

7 To set remote door opening time

Enter	★★ master code ★★	The keypad enters programming mode, the Red LED flashes
Enter	5	The red LED illuminates for 2 seconds and then flashes
Enter door opening time		(01-99) 05 = 5 seconds
Enter	#	The Red LED illuminates for 2 seconds then flashes
Enter	#	Exit the programming mode

To set the door opening time to 10 seconds Enter ★★ **master code ★★ 5 10 # #**

8 To set remote to latch mode (On-Off)

Enter	★★ master code ★★	The keypad enters programming mode, the Red LED flashes
Enter	5	The Red LED illuminates for 2 seconds and then flashes
Enter	1	
Enter	#	The Red LED illuminates for 2 seconds then flashes
Enter	#	Exit the programming mode

OPERATING THE KEYPAD

Enter	user code #	The relay operates and Green LED illuminates

If three incorrect attempts are made to enter a user code, the keypad will lock out for 30 seconds

DATA RESET
In the event that programming administration is lost, or errors have been made in the programming, it is possible to set the keypad master back to the factory default:

Power up the unit	During the first 3 seconds. The Red LED is ON
Turn power off, then power on **Enter ★★ 1-2-3-4 #** During the first 3 seconds	The unit will sound 3 times and the Data will be restored as follows

FACTORY DEFAULT SETTINGS

Master code	**1-2-3-4**	
User code	**5-6-7-8-9-0**	Please erase this code at address 200
Door opening time	**5 seconds**	

TROUBLE SHOOTING
The keypad does not "respond" when activating the keys.

1. Make sure the electronic unit has been properly wired to the mains and the power has not been cut-off.

The keypad "responds" but the door does not open.

1. Make sure the green LED is lit up.
2. If not the entered code has not been programmed yet. Please refer to "Programming".
3. Enter the Master Code and make sure the door opens correctly. If not check the wiring and Strikes integrity.

Warranty
This product is guaranteed for a period of **5 years** against defects in manufacture, workmanship or materials provided that all electrical and mechanical installation requirements are adhered to as per this instruction sheet. All third party and consequential claims are expressly excluded from this warranty.