Read all instructions before starting installation

**Mounting Instructions**

- Drill mounting using template provided.
- 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.
- 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**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Description</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brown</td>
<td>Power Supply Inputs 12-24v AC/DC, 1.3W</td>
<td></td>
</tr>
<tr>
<td>Blue</td>
<td>Power Supply Inputs 12-24v AC/DC, 1.3W</td>
<td></td>
</tr>
<tr>
<td>Grey</td>
<td>Relay common</td>
<td></td>
</tr>
<tr>
<td>Yellow</td>
<td>Relay N.C.</td>
<td></td>
</tr>
<tr>
<td>Green</td>
<td>N.O.</td>
<td></td>
</tr>
<tr>
<td>White/Pink</td>
<td>Remote opening door (DRY CONTACT ONLY)</td>
<td></td>
</tr>
</tbody>
</table>

**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
  - Programming Mode: Fast flashing = programming different functions
  - Slow flashing = programming stand-by
  - Very fast flashing = erasing all user codes

**Activation**

- To Positive of Fail Secure Lock
- To Positive of Fail Safe Lock
- To Negative of Lock

**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 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.

**Troubleshooting**

- 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.
  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.

---

**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**
  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**

Continued over...
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 illuminates for 2 seconds and then 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
   - To exit programming mode
   - To set a new master code of 112233
   - Enter ** master code ** 2 0 0 0 0 1 1 2 2 3 3 # #

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 0 0 1 6 6 2 6 # #
   - To set a new user code of 7788 in address 2
   - Enter ** master code ** 2 0 0 2 7 7 8 8 # #

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
   - The Red LED illuminates for 2 seconds and then flashes
   - 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 open door time
   - (01-99) 05 = 5 seconds
   - Enter#
   - The Red LED illuminates for 2 seconds and then flashes
   - Enter#
   - For exit programming
   - To set the open door time to 10 seconds
   - Enter ** master code ** 1 1 0 # #

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
   - The Red LED illuminates for 2 seconds and then flashes
   - Enter #
   - The relay is set to latching mode

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

8. 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#
   - To set the door opening time to 10 seconds Enter ** master code ** 4 1 0 # #

9. 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
   - 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
- Turn power off, then power on
- Enter ** 1-2-3-4#
- 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

TROUBLESHOOTING
- 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 strikets 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.