# DUAL UNIT—INSTRUCTION SHEET

**Complies with Risk Assessment – RA001, EN50133 and Industry Codes of Practice**

## Contents

**The Following items are included with the unit:-**

1. Combination Head CSK Screw (M3.5x40mm) – 2Nos.
2. Allen Head CSK Screw (M3.5x40mm) – 1No
3. Combination Head CSK Screw (M3.5x32mm) – 2Nos.
4. Allen Head CSK Screw (M3.5x25mm) – 1No
5. Allen Head CSK Screw (M3.5x18mm) – 1No
6. Brass Hex Insert (M3.5) – 1No.
7. Allen Key – 2.5mm (Across – Flat) – 1No.
8. Plastic Reset Key – 2Nos.

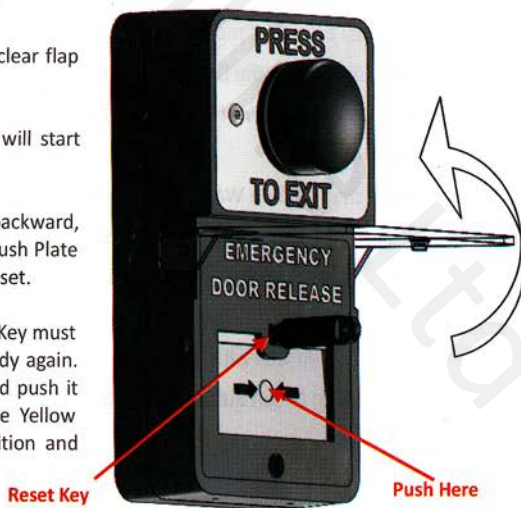| TECHNICAL SPECIFICATION | FEATURES |
|---|---|
| **Combination Exit Button & Emergency Release** | Easy clean surface (Ideal for Hospital/Public areas) |
| **EXIT BUTTON** | Easy cable entry from sides or rear |
| High impact plastic back box (robust design) | Screw footprint for flush fitting onto a Standard UK Single Gang Box. |
| Double pole contact—N/O-N/C at 30V AC/DC | Reduced wiring labour time |
| Designed for greater than 1million operations | Buttons available |
| Etched Legend | Green Dome |
| Security Screws (Allen Key Type) | Stainless Steel |
| **EMERGENCY RELEASE** | Touch Free |
| 3 N/O—N/C Contacts | Key Reset (Not Replacement Glass) |
| Audible (Selectable)/ LED Warning | Internal Use |
| Plastic Cover flips up for operation | |
| Size—160Hx90Wx42D all mm | |

## Operation

To activate the emergency feature, lift the clear flap and press the Push Plate where Indicated.

This will illuminate the LED and a Buzzer will start sounding.

On activation the Push Plate will move backward, and the Yellow Indicator Bar retaining the Push Plate will drop down preventing Un-authorised reset.

To reset the unit after activation, The Reset Key must be used to make the unit operationally ready again. Insert the key in the correct orientation and push it to the limit of the key. This will allow the Yellow Indicator Bar to return to its original position and hence the Push Plate will be reset.

CE



**Reset Key**  **Push Here**

Figure. 1

Green Dome Button  Stainless Steel Button  Touch Free Button

## Installation of Surface Box (Surface fitting)

1. Fix surface box on the wall as desired using holes and the knockouts as required.
2. Make connections as per Connection Diagram.
3. Fix Front Cover on to the Surface Box with Combination.
   Head CSK Screw (M3.5x32mm—2 Nos) & Allen
   Head CSK Screw (M3.5x 25mm—1 No)
4. Fix SS plate with Switch on Front Cover with Allen Head Screw (3.5x18mm —2 Nos)

## Installation Direct on Wall (Flush Fitting —Without Surface Box)
### Flush Fitting can only be done on Single Gang Box

1. Remove the Push Plate Mechanism from the front cover, by removing the self tapping screws.
2. Ease the Yellow Indicator Bar upwards from the White Push Plate slowly to allow the white Push Plate to swing open.
3. If the surface box has 2 mounting holes push the Brass Hex Insert (M3.5) in the mechanisum as shown, otherwise the Brass Hex is not required.
4. Fit the Allen Head Screw (M3.5x40mm) directly to the bottom leg of the surface box without Brass Hex Insert.
5. Fix the mechanisum on Wall (Plaster fix boc/Surface Box) as shown.
6. Push the front cover o n the mechanism making locks from the Front Cover insert into the cutouts provided in the mechanism. Then slide front cover down to lock it on the mechanism.
7. Fix Front cover on wall with screws
8. Fix SS Plate with Green Button/ SS Button/ Touch Free Button on the Front Cover.
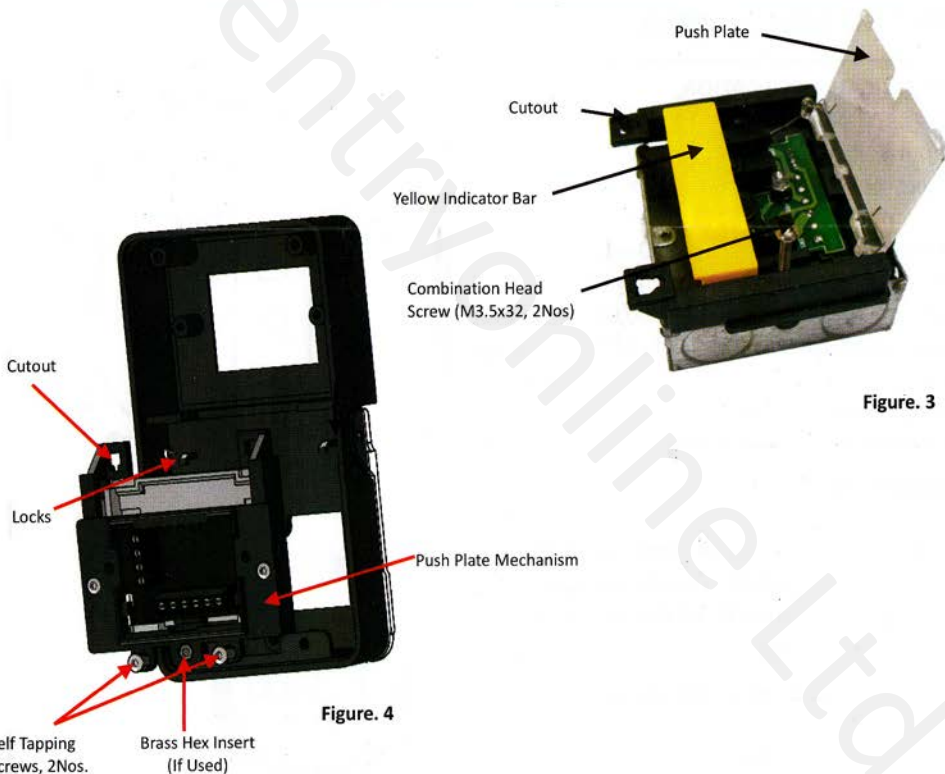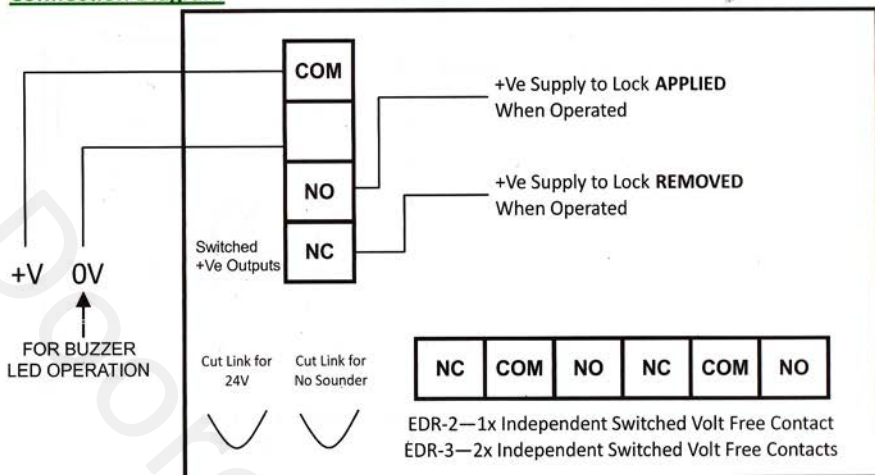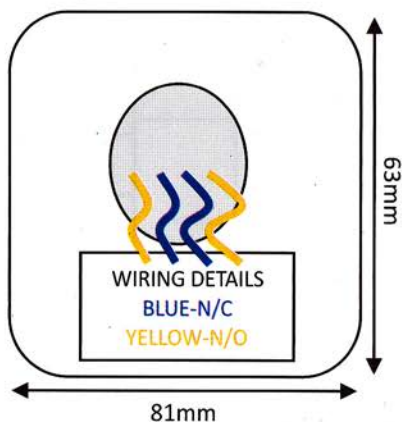
## Connection Diagram

COM — +Ve Supply to Lock **APPLIED** When Operated

NO — +Ve Supply to Lock **REMOVED** When Operated

NC

Switched +Ve Outputs

+V  0V

**FOR BUZZER LED OPERATION**

Cut Link for 24V

Cut Link for No Sounder

| NC | COM | NO | NC | COM | NO |
|----|-----|----|----|-----|----|

EDR-2—1x Independent Switched Volt Free Contact
EDR-3—2x Independent Switched Volt Free Contacts

Push Plate

Cutout

Yellow Indicator Bar

Combination Head Screw (M3.5x32, 2Nos)

**Figure. 3**

Cutout

Locks

Push Plate Mechanism

Self Tapping Screws, 2Nos.

Brass Hex Insert (If Used)

**Figure. 4**

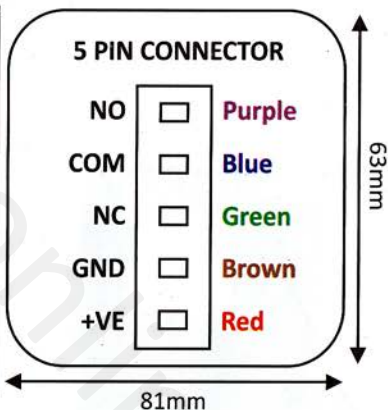## Green & Stainless Steel Button Latch Release Configuration

Wires are to be connected at Terminal Board provided on the PCB (fixed on Front Cover) as per connection diagram.

WIRING DETAILS
BLUE-N/C
YELLOW-N/O

63mm

81mm

## Touch Free Button Instructions

### TECHNICAL SPECIFCATION

| | | |
|---|---|---|
| Input Voltage DC: | 12V | 24V |
| Quiescent Current: | 16mA | 20mA |
| Proximity Current: | 23mA | 30mA |
| Range: | 30—120mm | |
| Maximum Output: | 1A@30VDC | |
| Lifetime (IR Sensor): | 100,000 hrs | |
| Lifetime (Relay): | 1x10^7 Operations | |
| Case: | Stainless Steel | |
| Weight (sensor only): | 375g | |

**5 PIN CONNECTOR**

| NO | ☐ | Purple |
| COM | ☐ | Blue |
| NC | ☐ | Green |
| GND | ☐ | Brown |
| +VE | ☐ | Red |

63mm

81mm

### OPERATION

Adjust detection range and duration of operation as desired. Ensure no object is within 300mm and 60° of the unit to avoid spurious triggering.

Using J1 and J2 select the colour operation as follows—

J1 =  Standby—Red
       Operation Green

J2 =  Standby—Green
       Operation—Red

Back View

5 Pin

J1      J2

Range      Duration
Near    Far  Short    Long