

4. **Unconfirmed/** Confirmed operation. *Not available on standard version.*
 Unconfirmed operation is the normal operating mode of any hold-up device, creating an alarm situation on the button press.
 If confirmed operation is selected, an alarm signal is generated on the first push of two buttons together and the LED will turn orange. A confirmation signal is generated from a separate relay following a second sustained push of 1.5 seconds of both buttons, the LED turns red. This second output signal may be used to trigger another zone, or is capable of switching other equipment such as video or audio devices. This secondary signal can be used as confirmation that the unit has not been accidentally triggered. In the event that the confirmed operation is enabled and only the first double push is received, the unit will only allow one minute to accept the second confirmed double push. After this time the unit will reset automatically back to its normal state indicated by the green LED.

5. Alarm **LED indication/** No indication. *Disablement is not available on standard version.*
 Alarm indication is basically as already discussed. Normal healthy state is green, turning red on activation. Flashing orange as required. If the no indication is enabled, the LED will only light green to indicate power, and will stay lit throughout. This mode is not applicable in timed operation, which requires the LED to indicate the state of operation. The LED will flash red to indicate incorrect selection.

6. **Non EOL operation/** EOL operation
 If EOL monitoring is required, enable via jumper and connect to NC1 and A/T2
 The built in EOL resistance, which must be selected with jumpers are as follows:

Type A	1K	1K EOL selection
Type B	4K7	2K2 EOL selection
Type D	5K6	5K6 EOL selection
Type E	6K8	4K7 EOL selection

Reset. To reset after operation, push and hold down both buttons for 5 seconds.
 Green LED indication confirms the reset.

If EOL is required on the confirmed output, resistors must be fitted to the terminals NC2/NC3/Spare as shown in diagram.

Specifications. (Version dependant)

Case Material:	ABS
Buttons:	Acetal
Operation:	1 or 2 button, latching or non-latching.
Reset Method:	Hold down both buttons for 5 seconds.
Operating Voltage:	11-15v DC
Quiescent Current at 12v:	30 mA
Anti-Tamper:	Normally closed tactile 24v DC at 1A max.
Relay contacts x 2:	1 single pole changover, 1 normally closed. 125VAC DC at 1A, 30VDC at 2A
Delay:	0 - 2 minutes in 5 sec increments.
Dimensions:	85mm x 85mm x 39mm max
Fixing Screws:	Standard UK electrical 3.5mm

Environmental Advice.
 This product is covered by current WEEE regulations. Please consider the effect on the environment when disposing of it. Do not put in a domestic waste bin. Only dispose of at an appointed recycling centre.

This product is suitable for use in systems installed to conform to PD6662:2010 at Grade 2 and 3 Environmental class II



RoHS compliant.

EPA-NG/STD*/G3
 EPA-NG/PLUS*/G3

* Denotes finish

Electronic Panic Attack/Hold-up Device

UK Registered Design 4007887

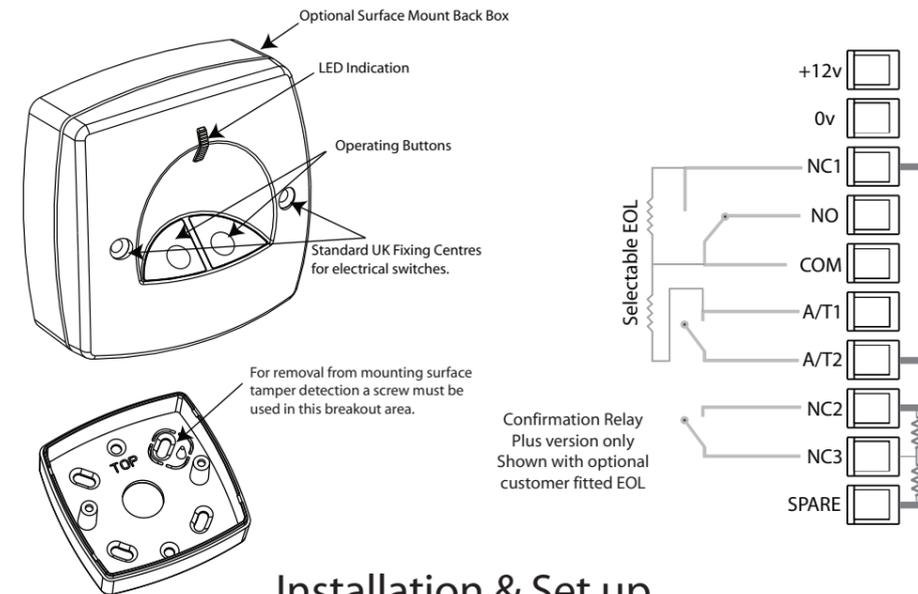


Operating and Installation Instructions

Both Versions include: Two button operation, instant operation, latching, LED activation indication, selectable EOL settings and keyless reset by holding down both buttons for 5 seconds.

Plus Version also includes: Optional confirmed output, one or two button operation, timed delay operation if required, latching or non latching, LED or no LED activation indicator.

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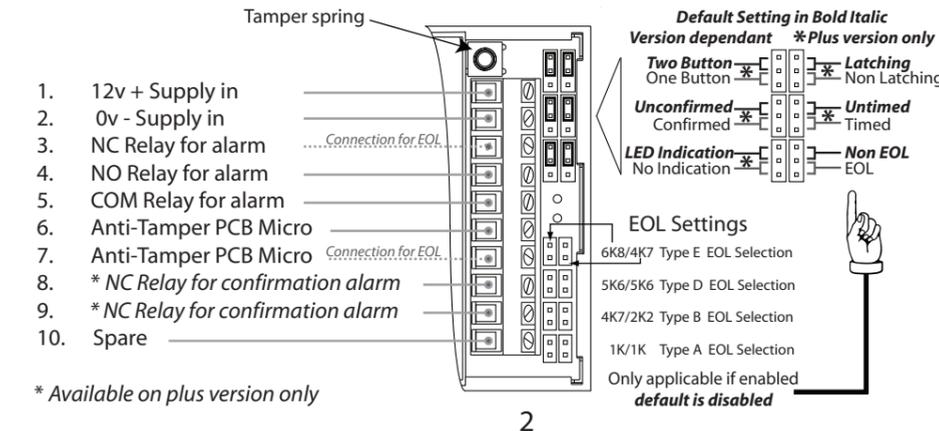


Installation & Set up

For surface mount applications use the low profile back box supplied.
 If removal from mounting surface tamper detection is required, there must be a fixing screw in the appropriate screw hole as indicated above. Locate the tamper spring over the tapered pillar on assembly.
 This product can also be fitted flush using a standard UK style pattress box of a depth of 16mm. If a deeper box is used please use the extension peg supplied to extend the tamper spring. Thread the cable through the centre hole. Keeping excess wire to a minimum, connect the unit according to the diagram below. Take care not to trap any wires when fitting the unit.

Set up

The unit is supplied set up as a standard hold up device, ready to be fitted without any further configuration.



* Available on plus version only

Features

LED Indication.

Version Dependant and only applies if LED indication is enabled.

Green	Healthy supply. Non alarm condition.
Steady Red	On power up or alarm condition, reset required.
Flashing Red	Error condition. Incompatible selection or jumper missing. The unit will be non functional until the error is corrected.
Steady Orange	Unconfirmed alarm condition.
Flashing Orange	Time delay time needs setting, or set time delay is counting down.
Flashing Orange/Green	Timed mode has set a default following an unattended power down.

Jumper Selectable Features.

Default settings are highlighted in **Bold Italics**.
It is strongly recommended that the unit is powered down whilst selection is made.

1. **Latching/Non Latching.** *Non Latching selection not available on the standard version.* If latching is selected, the unit will need resetting following activation. This is achieved by pushing and holding down the two buttons simultaneously for 5 seconds or more. If non-latching mode is selected, the unit will automatically reset 5 seconds after activation.

2. **Un-timed/ Timed.** *Time delay selection not available on the standard version.* Un-timed operation activates immediately on the push of the buttons, this is the normal operation for a hold-up device (PA). If timed operation is selected, on power up the LED flashes orange intermittently once per second indicating the delay time needs setting. This is achieved by pushing the left button for x number of times of 5 second delay increments, up to a maximum of 24 pushes (this gives the maximum of 2 minutes delay). To confirm the time delay and complete the programming, press the right button. Following a small delay, confirmation of the set delay time is indicated by the LED flashing red the correct number of times the button was pressed. The LED will then turn green indicating normal operation. Timed operation is activated by the left hand button, which starts the count-down of the set delay time, the count-down will cease immediately on pushing the right hand button. If the count-down is not cancelled, on expiration of the set delay time the unit will generate an alarm signal either latched or unlatched depending on which option is enabled. During countdown of the delay time the LED will flash orange until the delay time is complete and LED turns red. Even if timed mode is selected, the unit will alarm immediately if both buttons are pressed simultaneously. In the event of first programming or power failure the unit will wait for a setting sequence as described above. If it does not receive an input within 3 minutes, the LED will change from flashing orange and will flash between green and orange at one per second, and will only work as a standard 2 button PA, for one emergency operation only, the programming mode is unusable and the unit must be powered down and the unit re-programmed. This timed mode will ignore what is set in item 3 (Two button or one button operation) and item 4 (confirmed operation) is not compatible with this timed mode. The red LED will flash for wrong selection.

3. **Two/ One button operation.** *One button selection not on available on the standard version.* Two button operation requires both buttons to be pressed simultaneously. Not necessarily at exactly the same time, as long as both are down at some point. One button operation will allow alarm indication if either button is pressed. Item 4 (confirmed operation) is non operational in this single button mode. The red LED will flash for wrong selection.