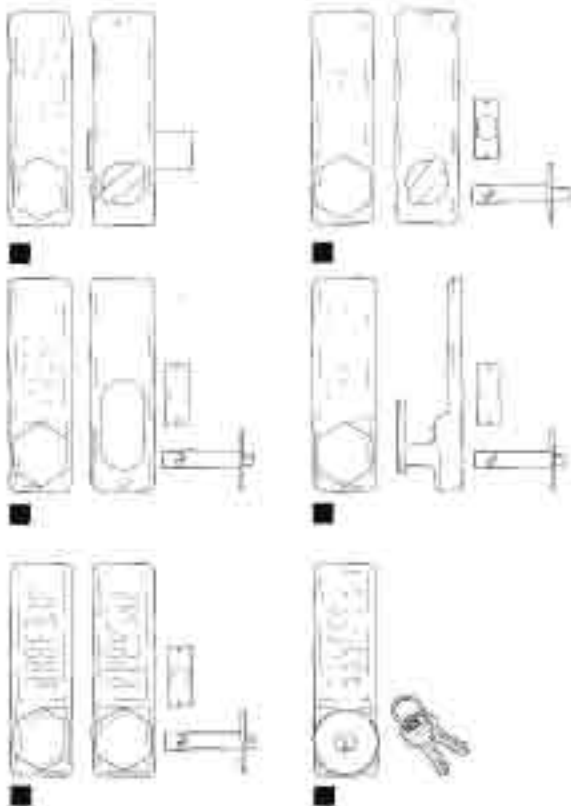


## STAYING IN CONTROL HAS NEVER BEEN EASIER

PushButton locks can be used at home on doors, garages and garden sheds, and at work in offices, workshops and storerooms requiring restricted access. Available in Satin Chrome, Polished Brass and Antique Brass.



## MANY CODES TO CHOOSE FROM

The PushButton code chamber consists of 13 buttons from which the code is selected, and a 'C' button which is used to re-set the chamber after an incorrect entry, and which must always be used as the first digit of a code. Buttons may only be used ONCE in a code. For example, 1212 is not possible.

A PushButton code, or combination, can be entered in any order or sequence; eg 1234 can be 4321 or 1342 or whatever sequence is most convenient to remember.

With 13 buttons, a total of 8,191 different codes are available, any of which can be entered in any sequence.

The total is arrived at as follows:

C plus 1 digit	= 13	C plus 6 digits	= 1716	C plus 11 digits	= 78
* 2 *	= 78	* 7 *	= 1716	* 12 *	= 13
* 3 *	= 286	* 8 *	= 1287	* 13 *	= 1
* 4 *	= 715	* 9 *	= 715	<b>Total = 8191</b>	
* 5 *	= 1287	* 10 *	= 286		

Most people will set a code in the range of 4 to 7 digits, and the total number of codes in this range is 5434.

The lock is factory set with a randomly selected 6 digit code starting with the C button. The code is not recorded by the factory. The code can be changed as often as required to any other 6 digit code. Every new code must start with the C button. Using the spare tumblers, one red and one blue, the code length can be changed to 5 or 7 digits. Shorter codes are not recommended.

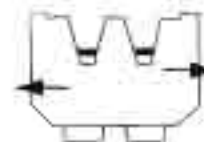
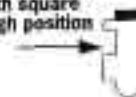
1. Take your PushButton lock off the door by unscrewing the 2 screws in the backplate.
2. Press the C button to reset the chamber and place the lock case on a flat surface with the buttons down.
3. Remove the 2 red screws and carefully lift off the code chamber plate. Check that all 14 springs are held in place on the plate.
4. Note that the red tipped code tumblers correspond in position to the existing code. The blue tipped non-code tumblers fill the other positions. The C tumbler is not coloured.
5. Hold the lock in your hand and depress the C button. Keeping the C button depressed use tweezers to re-position the tumblers to correspond with your new code. The square notches of ALL tumblers MUST face outwards, with the coloured tips ON TOP. See diagram below. DO NOT force the tumblers in.

**NB:** Holding the C button depressed whilst re-positioning the tumblers is **ESSENTIAL** to avoid damaging the internal mechanism. **DO NOT** attempt to reposition the C tumbler.

Red tipped code tumbler with square notch in low position



Blue tipped non-code tumbler with square notch in high position



Section through lockcase showing square notches in tumblers facing outwards

6. Replace the code chamber plate carefully with the 2 red screws.
7. Check the operation of the new code, and make a written note of it before re-installing the lock.
8. Insert the spindle, with the spring on the code side. On latchbolt locks the spindle must engage the latch as follows:



Door hung on right viewed from outside



Door hung on left viewed from outside

**MAINTENANCE** No maintenance of the working parts is necessary. **DO NOT OIL.** To maintain the finish the lock should be cleaned regularly with a soft cloth. A silicone spray or similar, should be used to provide a protective film against grit and grime.

**GUARANTEE** If any PushButton lock should develop a fault, at any time due to manufacture, just call the Helpline and arrange for it to be repaired free of charge.



The **500** series mechanical lock should be specified for doors requiring full-size lever handles, passage set operation during normal working hours, and code lock-out by deadbolt (525 model only). The key can be used by security and cleaning staff to retract the latch as well as the deadbolt without using a code. The inside lever handle will always retract the deadbolt of the 525 model, thus avoiding accidental lock-ins and meeting safety regulations.

**For full information on all mechanical and electronic locks in our range visit**

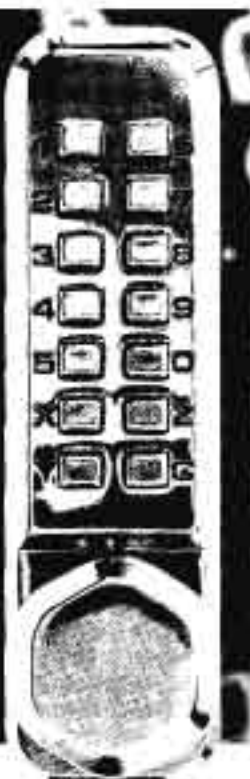
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**button**

**CODE CHANGE  
INSTRUCTIONS  
& TROUBLE  
SHOOTING GUIDE**



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## trouble shooting guide

### PROBLEM AND PROBABLE CAUSE

On latch locks only. The outside knob and inside handle retract the latch when turned TOWARDS the door frame.

The spindle is positioned at the wrong angle

The knob will not turn after entering the original code.

The code does not match the card

The knob will not turn after entering a newly changed code.

One or more of the code tumblers are the wrong way around.

The latch bolt does not move smoothly in and out.

The lock is installed incorrectly.

The inside and outside knobs do not return easily to the centre position after use.

The spindle is too long for the door thickness.

The inside handle does not retract the latch.

The spindle is too short for the door thickness.

The inside lever handle does not return to the upright position after operating.

The lever return spring is broken

The latch does not engage and so the door remains unlocked after use.

The latch is not entering the strike.

### ACTION

Refer to the code change instructions overleaf. Remove the lock from the door and reposition the spindle as shown in the instructions. On hold-open locks ensure that the blue handing screw on the lever handle plate is in the correct hole.

Remove the lock from the door, turn the lock case upside down and check that the red tumblers correspond with the code on the card.

NB: the 'C' tumbler is not coloured - but MUST start every code.

Re-read the code change instruction and check that the square notches on the tumblers face to the outside edge of the lock with the coloured tips on top.

Check that the lock is square on the door and positioned accurately over the latch. Check that the latch is positioned horizontally and parallel to the door surfaces.

The spindle must not project more than 30mm into the inside handle. If it does then it will be trapped between the front and back handles and prevent them moving easily. The spindle must be shortened.

The spindle must project from the inside face of the door by at least 8mm so as to engage the handle. The spindle may have been cut too short during installation. Call the **Helpline** to obtain a longer spindle.

Call the **Helpline** for a replacement spring, **free of charge**.

Your door or frame may have warped since the lock was installed. Check that the latchbolt is lined up with the strike aperture and adjust the position of the strike as necessary. Make sure the deadlocking plunger cannot enter the strike aperture alongside the latch bolt when the door is closed.