

SC 71 10-Lever Rim Automatic Deadlock

FITTING INSTRUCTIONS

Suitable for new doors with minimum stile of 90mm ($3\frac{1}{2}$ " wide x 40mm ($1\frac{1}{2}$ " thick, or as a security replacement for an ordinary nightlatch.

As supplied this lock is suitable for plain edge timber doors of either hand opening in.

Refer to the end of this leaflet for details of special staples for outward opening, rebated, and swing doors.

IMPORTANT

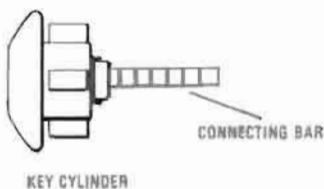
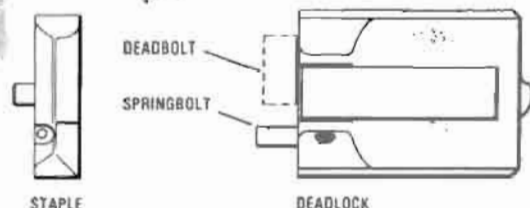
For emergency exits, hotel rooms, common entrances and other doors that must always be capable of opening from inside, use model SC73 (handle cannot be locked).

**INGERSOLL
SECURITY**

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CONTENTS OF BOX

Deadlock complete with fixing plate - key cylinder with connecting bar - staple for plain door opening in - 3 exclusive Ingersoll keys - 4 cylinder connecting screws - assorted wood screws - fitting instructions - cylinder and staple templates - key registration card.



FITTING

Read through these instructions carefully before you commence fitting the lock, they explain the correct sequence and ensure proper operation of the lock when fitted. If you are in any doubt about your ability to fit correctly we recommend that the lock be professionally fitted.

The instructions describe how to fit the SC71 to a new door. For replacement of an existing cylinder latch, see the notes following instruction 17.



1 Use cylinder template to mark the inside of the door in the selected position.



2 From the inside of the door, first bore four 10mm ($\frac{3}{8}$ ") holes and then bore the centre 32mm ($1\frac{1}{4}$ ") hole.



3 Chisel a 3mm ($\frac{1}{8}$ ") deep recess in opening edge of door to house the deadlock forend.

Viewed from inside of the door



4 Release the fixing plate from the deadlock by unscrewing the two case fixing screws.



5 Position fixing plate as shown on inside of door by two wood screws. The four connecting screw holes in the fixing plate must coincide with the 10mm holes drilled in door. If necessary, countersink the holes so that the fixing plate lies flush against the face of the door.

Place the cylinder fully home on the outside of the door. The connecting bar will protrude through the centre hole of the fixing plate.

Mark the connecting bar at the point where it protrudes 10mm ($\frac{3}{8}$ ") beyond the fixing plate.

Note (i) If a doorpull is being fitted, it is placed between the door and the cylinder cover before connecting bar is cut. (see picture 17).

Note: (ii) The connecting bar has to fit into the deadlock cam as far as possible and must be at least one notch longer than the door thickness but it **MUST NOT BIND** on the bottom of the deadlock cam. (see instruction 8).

Remove the cylinder and cut connecting bar to length. Cut the four cylinder connecting screws to a length of 10mm ($\frac{3}{8}$ ") less than the door thickness.



6 1 Partly insert the key and place the cylinder in the outside of the door with the word "Ingersoll" horizontally positioned at the top of the cylinder cover. The key will be vertical with the hole in the bow at the bottom.

2 Secure cylinder to the fixing plate with the four connecting screws. Do not overtighten the connecting screws as this may distort the fixing plate and make it difficult to fit the deadlock.



- 7
1 Depress springbolt to throw deadbolt.
2 Turn cam clockwise as far as it will go, as indicated by red sticker on inside of deadlock.
3 The bolt is now deadlocked in the thrown position and the deadlock must be fitted to the door in this condition.

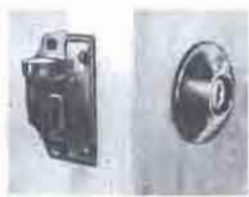


- 8
Place deadlock over fixing plate so that the connecting bar engages in the cam. The connecting bar can be manipulated into the cam with a screwdriver as shown or, alternatively, by cutting a thin strip of cardboard about 125mm (4.5") by 6mm (1/4") with a slit cut at one end to

hold the connecting bar. Ensure that deadlock is flush against door surface and the forend in the recess in the front edge of the door.



- 9
Secure deadlock to back plate with the two case fixing screws and to the door edge with the two 19mm (3/4") countersunk wood screws.



- 10
Retract deadbolt by one complete anticlockwise turn of key. The deadlock and cylinder are now fitted.



- 11
Close the door and extend two pencil lines from the top and bottom of the deadlock case onto the door jamb.



- 12
Use staple template between the lines you have drawn to mark door jamb.



- 13
Bore the staple peg 10mm (3/8") hole to a depth of 29mm (1 1/8").



- 14
There should be a space of 2-3mm (1/16") between the deadlock forend and the staple when the door is closed. Recess the staple into the door jamb as necessary (as indicated by the shaded area on the template) to provide this clearance.



- 15
Place the staple in position and secure with two 25mm (1") countersunk wood screws and one 19mm (3/4") roundhead screw.



- 16
The deadlock and staple should now be aligned like this on inside of door.



- 17
A doorpull, which fits behind the cylinder cover, is available from your stockist.

REPLACING AN EXISTING CYLINDER LATCH

The SC71 Rim Automatic Deadlock will replace an ordinary nightlatch with 60mm (2 3/8") backset (distance from edge of door to centre of keyhole) with very little alteration to the door. Proceed as follows:

- 1 Remove existing nightlatch. There will be 32mm (1 1/4") hole already bored in door.
- 2 Use a padsaw and chisel to cut the four 10mm (3/8") grooves along the cylinder hole to accommodate the lugs on the Ingersoll cylinder and provide hole as in Picture 3.
- 3 Adjust recess in door edge to accept the deadlock forend as in Picture 3. Then proceed as in Picture 4 onwards.

TEST LOCK OPERATION

- 1 Close door and open by means of the handle.
- 2 Close door again and open from outside by one 45° anti-clockwise turn of key.
- 3 Check that the inside handle can be locked by giving one complete clockwise turn of key. If the inside handle cannot be locked, check that the cylinder has been correctly positioned and the deadbolt thrown as shown in instructions 6 and 7.
- 4 Rotate the snib at the end of the deadbolt case to check that it prevents deadbolt throwing when springbolt is depressed.

NOTE: Locks fitted to emergency exit doors must always be capable of opening from inside. For such doors Ingersoll model SC73 FS must be used on which the inside handle cannot be locked.

OUTWARD OPENING DOORS



Special staples are required for these doors and can be ordered from your stockist. Plain edge doors opening out: Striking Plate RA 71/20D. Quote depth of frame from doorstop to outside edge. Place striking plate in position on door jamb and recess where necessary to give correct clearance as detailed for

Picture 4. Secure with countersunk wood screws and ensure that face of striking plate is at the correct angle to depress the bevel end of the springbolt easily and that all fixing screws are driven fully home.

NOTE: The springbolt is double bevelled and does not require reversing; it does not enter the hole in the striking plate.

REBATED AND SWING DOORS

The following special staples, which can be ordered from your stockist, are required for these doors.

- Rebated doors opening in: **Staple RA 71/23.**
Rebated doors opening out: **Staple RA 71/24.**
Double swing doors: **Staple RA 71/25.**

Quote door thickness

In the interests of top security and product improvement Ingersoll Security Products reserve the right to modify specifications and prices as may be necessary without incurring any obligation.

SC 71 TEMPLATE - Trim to dotted rules

