

## ESCAPE LOCKS

BS EN 179 : 2008

### FITTING INSTRUCTIONS

#### Step 1.

Whilst holding the door open, position the lock centrally along the leading edge of the door and using a pencil mark out the mortice position. Make sure that the position of the mortice avoids cutting through joints of door frame. Cut a rectangular slot for the lock case to width suitable to ensure secure fit, ideally 17mm wide.

#### Step 2.

Place the lock body into the rectangular slot, ensuring the forend is pushed firmly to the face of the door, using a pencil mark around the forend. Remove wood to the max depth of 3mm, this depth allows the flush fitting of the lock to the face of the door. Once done mark out and drill pilot holes for the 2 screws in the forend, but dont install until all other steps completed.

#### Step 3.

Using the lock body as a template or use the template supplied, mark on the side of the door the positions of the spindle and the cylinder hole centres. Please note hole centres requiring to be cut will vary according to the lock model being installed.

#### Step 4.

Remove lock from the door and drill 20mm diameter holes through the door from both sides into the mortice (care must be taken to ensure holes are level to ensure correct fitting of handle furniture). Remove enough material on hole position for euro cylinder to allow cylinder body to pass through. If, depending on the handing of the door the latch bolt needs reversing, follow latch bolt reversal proce-dures attached with document.

#### Step 5.

Place the lock back into the door ensuring that everything lines up, at this point line up and install any chosen door furniture, suitable for use with the type of lock being installed, to both sides of the door. With all items prepared and installed, fit two fixing screws to lock forend to secure in place.

#### Step 6.

With the door open, ensure that the deadbolt is in the thrown position (extended) so both protrude from the leading edge of the door. At this point close the door gently against the door frame and using a pencil mark the positions for the latch bolt and the dead bolt onto the door frame.

#### Step 7.

Mark out on the door frame the length of the strike plate with the fixing holes and go through the same procedure of marking out the recess for the strike plate and the and remove enough wood to ensure installation of the plastic dust box.

#### Step 8.

Prior to final fitting ensure the bolts fit well into the strike plate and if required adjust the anti rattle tabs as required.

#### Step 9.

Apply final furnishings and check all operations prior to leaving.

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Unit 10 Mitcham Industrial Estate Streatham Road Mitcham  
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# JL-DE60RSSS & JL-DE60SSS

## JL-DNL60RSSS & JL-DNL60SSS

### ESSENTIAL PRODUCT INFORMATION

Intended Use Intended for use on single inward and outward opening fire escape doors.  
Door Mass / Dimensions 2500mm high x 1300mm wide / 200Kg.

Max. door distortion to enable Max door distortion of 5mm allowed at all times to ensure safe exit at all times safe exit.

Min. resistance of the door leaf Max of 1000N pulling force achieved on the fixing screws against a pulling force of the provided under the abuse test.  
recommended fixing screws

Field of door application Category B/D.

Fire / smoke door suitability Suitable for use on fire doors.

Fire resistance time for each 30 or 60 mins timber single door.

Type of door Single timber doors. (timber, steel, others)

The safety features of this product are essential to its compliance with EN179:2008. No modifications of any kind, other than those described in these instructions, is permitted.

It is possible to render the escape lock inoperable from the inside when the key is left in the cylinder at a certain position. To ensure safe exit at all times the key must be fully thrown and withdraw from the cylinder. In the case of a thumbturn cylinder, this must be full rotated to its stop position

Door furniture suitable for use with JL-DE60RSS & JL-DE60SSS escape lock.

If being used for escape/exit door purposes, one of the following lever sets must be used in order to comply with the requirements of EN179:2008.

<b>Stainless steel Levers</b>	<b>Description</b>	<b>BS EN 1906</b>
JSS01	RTD lever c/w 5mm push on rose-19mm dia.	Grade 4
JSS13	RTD lever c/w 8mm push on rose-19mm dia.	Grade 4
JSS213	RTD lever c/w 8mm push on rose-22mm dia.	Grade 4

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# ANNEX A INSTALLATION AND FITTING INSTRUCTIONS

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**A.1** The producer shall specify the appropriate fixing arrangement for the door types for which the exit device is designed.

**A.2** Before fitting an exit device to a door, the door should be checked to ensure correct hanging and freedom from blinding. It is not recommended, for example, that exit devices be fitted to hollow core doors unless specially designed by the producer for this type of door. It is recommended to verify that the door construction allows the use of the device, i.e. to verify that offset hinges and engaging leaves allow both leaves to be opened simultaneously (See A4), or to verify that the gap between door leaves does not differ from that defined by the exit device producer, or to verify that the opening elements do not interfere, etc.

**A.3** Before fitting an emergency exit device to a fire/smoke resisting door, the fire certification of the fire door assembly on which the exit device has been tested to prove suitability for use on a fire door should be examined. It is of utmost importance that an exit device is not used on a fire door assembly of a greater fire resistance time than approved for. See Annex B.

**A.4** Care should be taken to ensure that any seals or weather-stripping fitted to the complete door assembly, do not inhibit the correct operation of the emergency exit device.

**A.5** On double doorsets with rebated meeting stiles and where both leaves are fitted with emergency exit devices, it is essential to check that either leaf will open when its emergency exit device is activated and also that both leaves will open freely when both emergency exit devices are operated simultaneously.

**A.6** Where emergency exit devices are manufactured in more than one size, it is important that the correct size is selected.

**A.7** Category 2 (Standard projection) emergency exit devices should be used in situations where there is restricted width for escape, or where the doors to be fitted with the emergency exit devices are not able to open beyond 90°.

**A.8** Where an emergency exit device is designed to be fitted to a glazed door, it is essential that the glazing is tempered or laminated glass.

**A.9** Different fixing can be necessary for fitting emergency exit devices to wood, metal or frameless glass doors. For more secure fixing, male and female through-door bolts, reinforcement and rivets can be used.

**A.10** Emergency exit devices are not intended for use on double action (double-swing) doors unless specifically designed by the exit device producer.

**A.11** The fixing instructions should be carefully followed during installation. These instructions and any maintenance instructions should be passed on by the installer to the user. See Annex C.

**A.12** The operating element should normally be installed at a height of between 900mm and 1100mm from the finished floor level, when the door is in the secured position. Where it is known that the majority of the users of the premises will be young children, consideration should be given to reducing the height of the operating element.

**A.13** When installing lever operating emergency exit devices, particularly on doors with raised or recessed surfaces, consideration should be given to minimizing any potential safety risks, such as the trapping of fingers or clothing.

**A.14** The bolt heads and keepers should be fitted to provide secure engagement. Care should be taken to ensure that no projection of the bolt heads, when in the withdrawn position, can prevent the door swinging freely.

**A.15** Where emergency exit devices are to be fitted to double door sets with rebated meeting stiles and self closing devices, a door coordinator device in accordance with EN 1158 (See Bibliography) should be fitted to ensure the correct closing sequence of the doors. This recommendation is particularly important with regard to smoke/fire-resisting door assemblies.

**A.16** No devices for securing the door in the closed position should be fitted other than specified in this European Standard. This does not preclude the installation of self-closing devices.

**A.17** If a door closing device is to be used to return the door to the closed position, care should be taken not to impair the use of the doorway by the young, elderly and infirm.

**A.18** Any keepers or protection plates provided should be fitted in order to ensure compliance with this European Standard.

**A.19** A sign which reads "Rotate handle to open" or "Push to open" as appropriate, or a pictogram should be provided on the inside face of the door immediately above the operating element or on the operating element if it has a sufficient flat face to take the size of lettering required.

For type "B" emergency exit devices intended for use on inwardly opening exit doors, a sign which reads "Rotate handle and pull to open" or "Pull to open" or a pictogram should be provided on the inside face of the door immediately above or on pull pad if it has a sufficient flat face to take the size of lettering required.

The surface area of the pictogram should be not less than 8000mm<sup>2</sup> and its colours should be white on a green background. It should be designed such that the arrow points to the operating element, when installed.

## ANNEX C Maintenance Instructions

The following information shall accompany the product:-

A) Inspect and operate the emergency exit device to ensure that all components are in a satisfactory working condition. Using a force gauge, measure and record the operating forces to release the exit device.

B) Ensure the keeper(s) is (are) free from obstruction.

C) Check that the emergency exit device is lubricated, and as required / on an annual basis apply multi-purpose grease to the bolts and keeper plates and lubricate with WD40 when necessary.

D) Check that no additional locking devices have been added to the door since its original installation.

E) Check periodically that all components of the system are still correct in accordance with the list of approved components originally supplied with the system.

F) Check periodically that the operating element is correctly tightened and, using a force gauge, measure the operating forces to release the exit device. Check that the operating forces have not changed significantly from the operating forces recorded when originally installed.

BS EN 179:2008



Year of Marking Supplied 2020 - E.C. Certificate of Conformity ABB5028 - Category of Projection - Category 2

Category of use	Durability	Door Mass	Fire Resistance	Safety	Corrosion Resistance	Security	Projection of Device	Type	Field of Door
3	7	6	B	1	3	4	2	A	B/D

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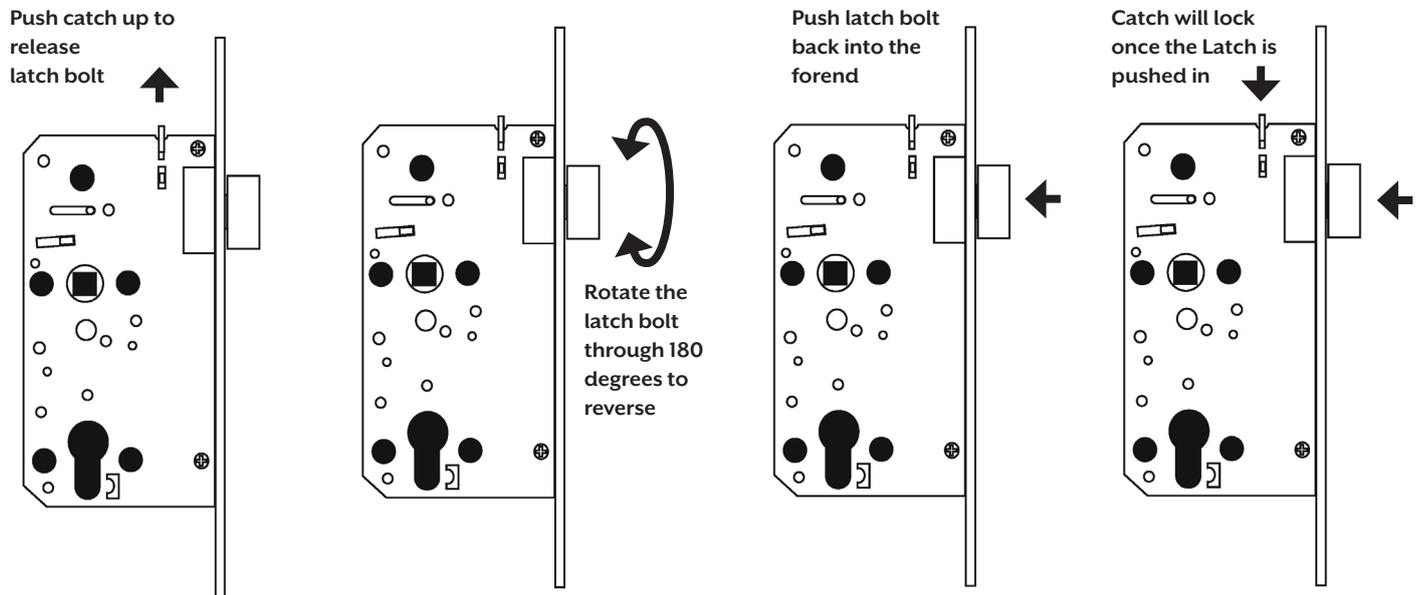
T: 020 8648 1500 F: 020 8648 1626 E: sales@frelan.co.uk  
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# ESCAPE LOCKS

BS EN 179 : 2008

## REVERSING THE LATCH BOLT INSTRUCTIONS (A)



## HANDING THE ESCAPE FUNCTION OF THE LOCK INSTRUCTIONS (B)

### STEP 01

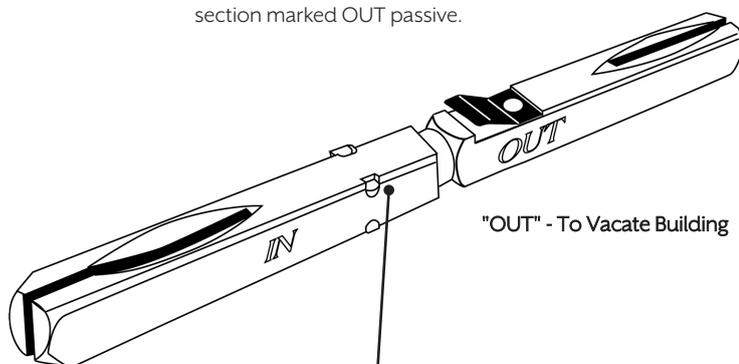
The section of the spindle marked IN determines the function of the lock allowing activation of the latch bolt, whilst keeping the section marked OUT passive.

### STEP 2

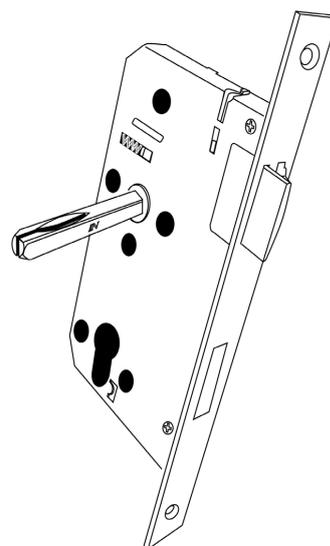
INTERNAL SIDE OF ESCAPE LOCK

- "IN" Section of Spindle
- Spindle Stops
- Flat Face of Latch Bolt

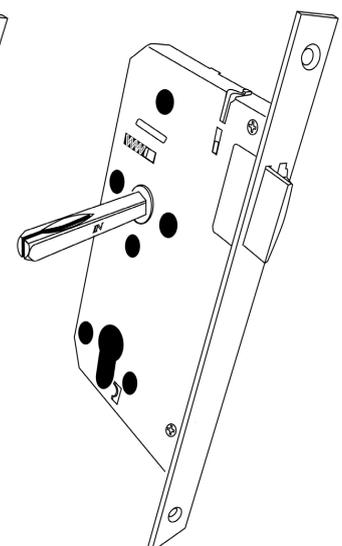
The section of the spindle marked IN determines the function of the lock allowing activation of the latch bolt, whilst keeping the section marked OUT passive.



Stops should come to rest against lock follower, once fully inserted.



EXTERNAL SIDE OF ESCAPE LOCK  
 "OUT" Section of Spindle  
 Profiled Face of Latch Bolt



EXTERNAL SIDE OF NIGHT LATCH  
 "OUT" Section of Spindle  
 Profiled Face of Latch Bolt