ANNEX A INSTALLATION AND FITTING INSTRUCTIONS

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 befitted 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 8000mm² 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 in accordance with the producer’s instructions.

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.

Category of use	Durability	Door Mass	Fire Resistance	Safety	Corrosion Resistance	Security	Projection of Device	Type	Field of Door
3	**7**	**6**	**B**	**1**	**4**	**5**	**2**	**A**	**B/D**

BS EN 179 : 2008 certifire CF850 CE 1121 **FD 30/60**

Year of marking applied 2013 EC Certificate of conformity No. ABB007

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ZOO ARCHITECTURAL HARDWARE

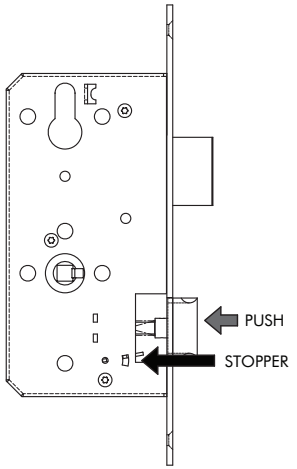
ZDL ESCAPE LOCK
ARCHITECTURAL DIN LOCKS

BS EN 179 : 2008

REVERSING THE LATCH BOLT
INSTRUCTIONS (A)

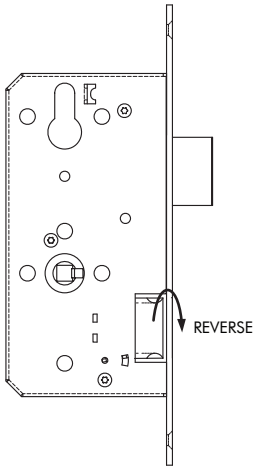
STEP 01

Hold lock upside down, the stopper will drop into the case. Push latch bolt as indicated until clear of the forend.



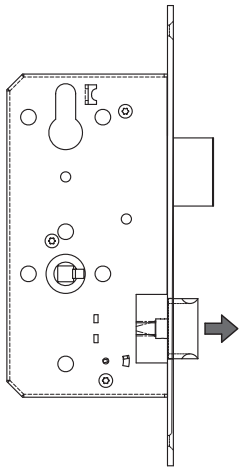
STEP 02

With the latch bolt pushed into the case, rotate the latch bolt through 180 degrees to reverse.



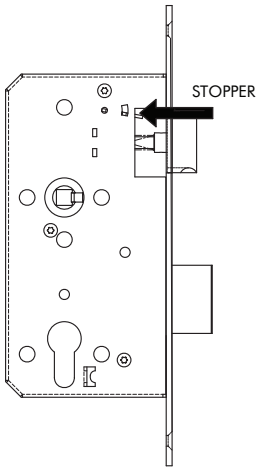
STEP 03

Once rotated the latch bolt should pass through the lock forend as shown.



STEP 04

With the lock case the right way up, check the stopper has dropped clear of the lock case. Reversal complete.



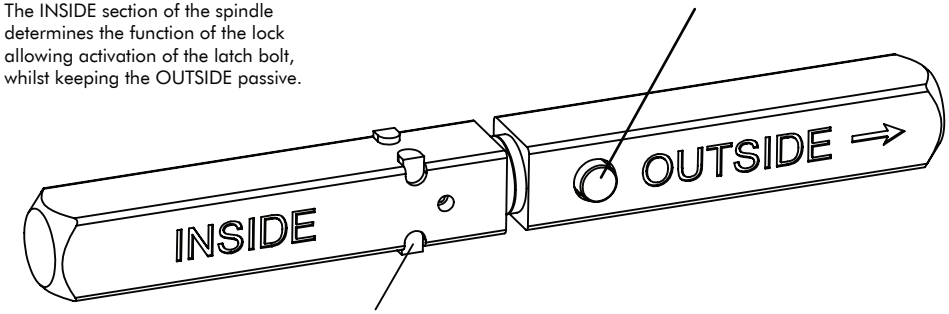
HANDING THE ESCAPE FUNCTION OF THE LOCK

INSTRUCTIONS (B)

STEP 05

The INSIDE section of the spindle determines the function of the lock allowing activation of the latch bolt, whilst keeping the OUTSIDE passive.

Press button & insert into the follower as shown, depending upon the handing of the lock.

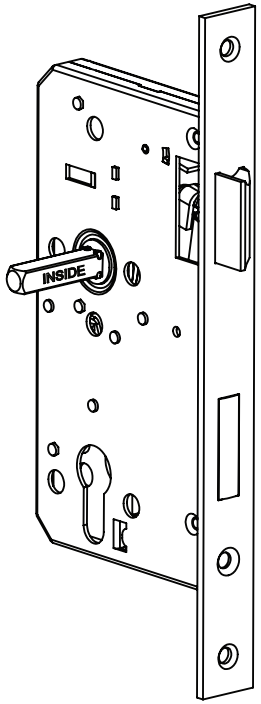


Stops should come to rest against lock follower, once fully inserted.

STEP 06

INTERNAL SIDE OF ESCAPE LOCK

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



EXTERNAL SIDE OF ESCAPE LOCK

- "Outside" Section of Spindle
- Spindle Release Button
- Profiled Face of Latch Bolt

ZDL7260ESCSS / ZDL7260ESCRSS

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 safe exit at all times	Max door distortion of 5mm allowed at all times to ensure safe exit.
Min. resistance of the door leaf against a pulling force of the recommended fixing screws	Max of 1000N pulling force achieved on the fixing screws provided under the abuse test.
Field of door application	Category B/D.
Fire / smoke door suitability	Suitable for use on fire doors.
Fire resistance time for each door configuration. (30/90 mins for single or double doors)	30 or 60 mins timber single door.
Type of door (timber, steel, others)	Single timber doors.

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.

ZOO HARDWARE Ltd,

Door furniture suitable for use with ZDL7260ESCSS escape lock.

If the ZDL7260ESCSS is 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.

Brass Levers	**Description**	**BS EN 1906**
ZB030	RTD lever c/w screw on rose - 19mm dia.	Grade 3
Aluminium Levers		
ZAA030SA	RTD lever c/w screw on rose - 19mm dia.	Grade 3
ZAA080SA	RTD lever c/w screw on rose - 22mm dia.	Grade 3
Stainless steel Levers - 201		
ZCS2030SS	RTD lever c/w push on rose - 19mm dia.	N/A
ZCS2080SS	RTD lever c/w push on rose - 22mm dia.	N/A
Stainless steel Levers - 304		
ZCS030SS	RTD lever c/w push on rose - 19mm dia.	Grade 3
ZCS080SS	RTD lever c/w push on rose - 22mm dia.	Grade 3
ZPS030SS	RTD lever c/w screw on rose - 19mm dia.	Grade 3
ZPS080SS	RTD lever c/w screw on rose - 22mm dia.	Grade 3
ZG4S030	RTD lever c/w cast push on rose - 19mm dia.	Grade 4
VIER VS030	RTD lever c/w 4mm push on rose - 19mm dia.	Grade 3
VIER VS070	RTD lever c/w 4mm push on rose - 19mm dia.	Grade 3
VIER VS080	RTD lever c/w 4mm push on rose - 21mm dia.	Grade 3