BOLTS & LATCHES RANGE
INSTALLATION INSTRUCTION COUNTERPART INFORMATION LEAFLET

This counterpart leaflet is to be used in conjunction with the relevant main Installation instruction leaflet. Both must accompany the exit device.

As part of the requirements of **EN1125: 2008 (Panic Exit devices)** / **EN179: 2008 (Emergency Exit devices)** we must provide you with the following additional information (*Note: some of the information below may be duplicated on the Main Installation instruction leaflet.):*

The safety features of this product are essential to its compliance with EN 1125 / EN179. No modification of any kind, other than those described in these instructions (main or counterpart), are permitted.

NOTES ON INSTALLATION

i). The fixing arrangements for the door types for which the exit device is designed, are specified in the Main Installation instructions. All devices are suitable for use on double / single doors up to 2440mm x 1220mm, door mass up to 200kg.

ii). Before fitting an exit device to a door, the door should be checked to ensure correct hanging and freedom from binding. A maximum of 5mm door distortion is allowed.

We do not recommend that any of our exit devices be fitted to hollow core doors.

It is recommended to verify that the door construction allows the use of the device, i.e. verify that:
Offset hinges and engaging leaves allow both leaves to be opened simultaneously (see iv).
The gap between door leaves does not differ from that which is specified in the main installation instructions (if stated).
The operating elements do not interfere.

NOTE: Panic / Emergency exit devices manufactured in accordance with EN1125 & EN179 will provide a high degree of safety and reasonable security provided that they are fitted to doors and door frames that are in good condition.

iii). Before fitting a Panic / 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 fire doors) 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 it is approved for.

iv). Care should be taken to ensure that any seals or weather-stripping fitted to the complete door assembly, does not inhibit the correct operations of the Panic / Emergency exit device.

v). On double doorsets with rebated meeting stiles and where both leaves are fitted with Panic / Emergency exit devices, it is essential to check that either leaf will open when its exit device is activated and also that both leaves will open freely when both exit devices are operated simultaneously.

vi). These Panic / Emergency exit devices are manufacture in one size.

vii). Category 2 (standard projection) Panic / Emergency exit devices should be used in situations where there is restricted width for escape, or where the doors to be fitted with the Panic / Emergency exit devices are not able to open beyond 90°.

viii). Where an exit device is to be fitted to a glazed door, it is essential that the glazing is tempered or laminated glass.

ix). Different fixings are available for fitting Panic / Emergency exit devices to metal doors, etc. Timber fixings are supplied as standard.
Note: Exit devices suffixed 'SD' (e.g. 294SD) include; steel door fixings as standard.

x). None of our Panic / Emergency exit devices are intended for use on double action (double swing) doors.

xi). The main fixing instructions should be carefully followed during installation. These instructions together with this counterpart leaflet (which includes maintenance instructions) should be passed on by the installer to the user.

xii). The horizontal bar (EN1125 devices) / operating element (EN179 devices) should normally be installed at a height of between 900 mm and 1100 mm from the finished floor level, when the door is in the secured position. Where it is known that the majority of the occupants of the premises will be young children, consideration should be given to reducing the height of the bar / operating element accordingly.

xiii). The horizontal bar should be installed so as to provide the maximum effective length (EN1125 devices)

When installing (EN179) lever operated 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.

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

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

xvi). No additional devices for securing the door in the closed position should be fitted. This does not preclude the installation of self closing devices.

xvii). 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.

xviii). Any keepers or protection plates provided should be fitted in order to ensure compliance with EN1125 / EN179.

xix). EN1125 Panic exit devices: the provided sign which reads; "Push bar to open" should be affixed on the inside face of the door immediately above the horizontal bar.

EN179 Emergency exit devices: the provided sign which reads; "Push Pad to open" should be affixed on the inside face of the door immediately above the Push Pad operating element.

MAINTENANCE INSTRUCTIONS

The following is the routine maintenance procedure as recommended by EN1125 / EN179:-

A) Inspect and operate the exit device to ensure that all components are in a satisfactory working condition. If possible 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 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, If possible 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.

LISTED ACCESSORIES

Only the accessories listed below can be used with this product range.
The use of any other accessory may invalidate the relevant products EN1125 / EN179 CE certification.

PRODUCT No.	DESCRIPTION	COMPATIBILITY
	OUTSIDE ACCESS DEVICES	
298	Knob operated Outside Access Device	Use with all 200/300 Series Range, except Mortice actuators 305 & 306.
302EA	Knob operated Outside Access Device with Euro aperture (cylinder not supplied)	
302EC	Knob operated Outside Access Device with Euro cylinder	
302OA	Knob operated Outside Access Device with Oval aperture (cylinder not supplied)	
302OC	Knob operated Outside Access Device with Oval cylinder	
322EA	Lever operated Outside Access Device with Euro aperture (cylinder not supplied)	
322EC	Lever operated Outside Access Device with Euro cylinder	
CL1	Mechanical push button Outside Access Device	For use with 296 & 297 only
CL2	Mechanical push button Outside Access Device with passage function	
CL3	Quick code Mechanical push button Outside Access Device	
CL4	Quick code Mechanical push button Outside Access Device with passage function	
P3054	Euro Profile Cylinder	Use With: 305 & 306 Mortice Actuator. Replacement Cylinder for 302OAD
	KEEPS	
2401	Top trip keep – to Suit Aluminium / UPVC type frames	Use with: 293, 294, 284 & 285.
2402	Bottom bolt keep – to Suit UPVC type frames with high threshold	Use with: 293, 294, 284 & 285.
2403	Low threshold bottom bolt keep	Use with: 293, 294, 284 & 285.
2405	Top Trip keep – to suit flush fitting doors / frames	Use with: 293, 294, 284 & 285.
3401	Vertical Pullman Latch Keep – to suit flush fitting doors / frames	Use with: 310 & 311
3402	Standard Pullman Latch Keep	As supplied with: 307, 308, 310 & 311
3403	Pullman Latch Keep – to Suit UPVC type frames	Use with: 307, 308, 310 & 311
3404	Standard Latch Keep – Steel Door (Similar to P1601)	As Supplied with: 296SD & 297SD
3405	Surface mounted Bottom bolt Keep	Use with: 293, 294, 284 & 285.
3405A	Surface mounted Top Trip Keep	Use with: 293, 294, 284 & 285.
300	Double door latch keep (As Supplied with: 285, 317)	Use with 296 & 297
407	Horizontal Pullman Latch Keep – Flush / Double Doors	Use with: 307 & 308 (supplied with 309)
ED150	Single & Double Door Latch Keep –Surface Mounted. (Replaces 3404 / P1601 on single doors. Replaces 300 on double doors.)	Use with: 296 & 297
P0301	Easy clean socket keep	As supplied with: 293, 294, 284 & 285.
P0401	Standard Top Trip Plate	As supplied with: 293, 294, 284 & 285.
P1301	Standard Floor Plate bolt keep.	As supplied with: 293, 294, 284 & 285.
P1601	Standard Latch Keep – Timber Door (Similar to 3404)	As supplied with: 296 & 297
SL-0150	Top Trip Bolt Keep – UPVC Fames with high threshold (longer version of 2401)	Use with: 293 & 294
SL-0151	Bottom Bolt Keep – UPVC Fames (longer version of 2402)	Use with: 293 & 294
SL-0156	Pullman Latch Keep – UPVC Frames (longer version of 3403)	
	REBATE SETS	
RK13	13mm (1/2") Rebate Set (Keep & Rebate Packers)	Use With: 305 & 306 Mortice Actuator.
RK25	25mm (1") Rebate Set (Keep & Rebate Packers)	
	OTHER ACCESSORIES	
299	Dogging Device (Note: Not for use on fire doors)	For use with shoot bolt versions only
304	Alarm Unit	For use with shoot bolt versions only
314	Vertical Pullman Latch Kit (to covert bolt version to latches)	Use with: 293, 294, 284 & 285.
315	Horizontal Pullman Latch Kit (to covert bolt version to latches)	Use with: 293, 294, 284 & 285.
P1101MS	Micro switch Slave Unit (Retro Fit)	Use with EN1125 (Push bar) units only

Unless other wise stated compatibility is assumed with all the various suffixed variations (e.g. 'A', 'SD', 'MS') of the basic product.

CE MARKING

All devices are intended for use on single / double outward opening route escape doors, fire / none-fire rated dependant on device (see below).
Where fire rated; devices are certified for use on the following door assemblies for the stated times:
60 minutes on Timber door assemblies (doorsets to EN 1634-1 Codes: TT, ITT and ITC).
240 minutes on Steel door assemblies (doorsets to EN 1634-1 Codes: IMM, and MM).
Minimum resistance for all devices: a maximum pulling force of 1000N was achieved against the fixings under the abuse test.
Below is the CE marking information for the entire range. Applicable products are clearly listed below their relevant markings.

CE 1121	CE 1121	CE 1121	CE 1121
EN 1125: 2008	**EN 1125: 2008**	**EN 179: 2008**	**EN 179: 2008**
PANIC EXIT DEVICES	**PANIC EXIT DEVICES**	**PANIC EXIT DEVICES**	**PANIC EXIT DEVICES**
3 7 6 B 1 3 2 2 A A	**3 7 6 0 1 3 2 2 A A**	**3 7 6 B 1 3 4 2 B A**	**3 7 6 0 1 3 4 2 B A**
AAA019	**AAA020**	**ABB029**	**ABB030**
09	**09**	**09**	**09**
Category 2 Projection.	**Category 2 Projection.**	**Category 2 Projection.**	**Category 2 Projection.**
Field of Door application: Category A (Single & Double)	**Field of Door application: Category A (Single & Double)**	**Field of Door application: Category A (Single & Double)**	**Field of Door application: Category A (Single & Double)**
Suitable for use on fire / smoke doors.	-	**Suitable for use on fire / smoke doors.**	-
Applicable to Products: **284, 284A, 285, 285A, 294, 294A, 296, 311, 316, 317, 308, 309**	Applicable to Products: **305**	Applicable to Products: **293, 293A, 297, 310, 307**	Applicable to Products: **306**

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The product codes listed above refer to the Exidor OEM product model numbers. These are as appear on the main installation instruction sheet.
It is taken as read that these also include all the suffixed versions of the basic models for: 'SD' (steel door), 'MS' (microswitch) and MS/SD where applicable.
These are as listed on the relevant CE certificates.