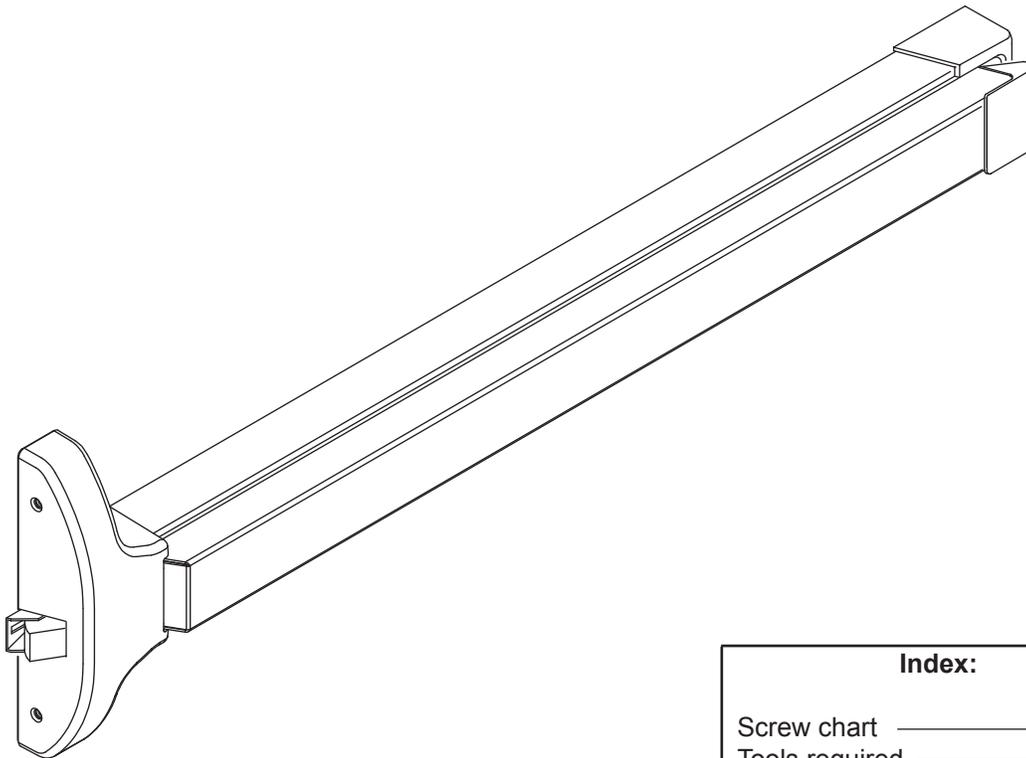


9700FL SERIES PANIC LATCH



Index:

Screw chart	2
Tools required	3
Rim "cylinder only" option	4
Fixing instructions	5-9
Options	10-12
AD4300 retro fit	13
Fixing template	14

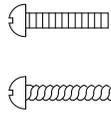
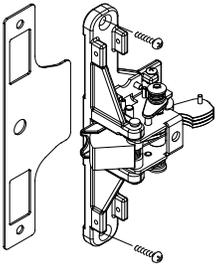
Note: One set of fixing instructions should be left with building owner after fixing of device has been installed.

EN 1125 CLASSIFICATION NUMBER FOR THIS PRODUCT

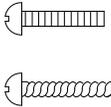
3	7	6	B	1	3	2	2	B	A
---	---	---	---	---	---	---	---	---	---

	<p>DORMA Architectural Hardware 1003 West Broadway Steeleville, IL 62288 BS EN 1125-2008 European Norm Standard for Panic Exit Devices Operated By A Horizontal Bar.</p>
	<p>9700FL AAA028 2011</p> <p>Product Classification 3,7,6,0,1,3,2,2,B,A Certification Body Ref Nr : 1121</p>

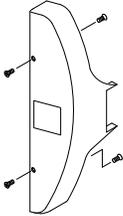
SCREW CHART



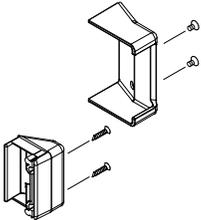
- (2) M5 x 20 R.H.P.M.S. (Metal door metric version) _____ Chassis Mounting
- (2) 12-24 x 1" R.H.P.M.S. (Trim or Thru Bolts) _____ Chassis Mounting
- (2) #12 x 1 1/4" R.H.P.T.S. (Wood Door) _____ Chassis Mounting



- (2) M5 x 20 R.H.P.M.S. (Metal door metric version) _____ End Cap Bracket
- (2) 12-24 x 1" R.H.P.M.S. (Trim or Thru Bolts) _____ End Cap Bracket
- (2) #12 x 1 1/4" R.H.P.T.S. (Wood Door) _____ End Cap Bracket



- (4) 8-32 x 3/8" F.H.P.M.S. _____ Chassis Cover & End Cap

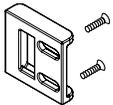


- (2) 8-32 x 1/4" F.H.P.M.S. _____ End Cap Mounting

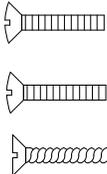
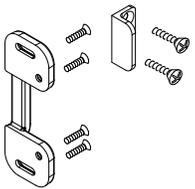


- (2) #10 x 1" F.H.P.T.S. _____ End Cover Mounting

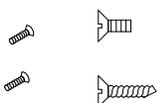
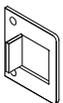
"FL" Full length touch bar & rail series.



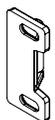
- (2) M5 x 20 (Metal door metric version) _____ Keep Fixing
- (2) 10-32 x 5/8" F.H.P.M.S. (Metal) _____ Strike Mounting
- (2) #10 x 1" F.H.P.T.S. (Wood Door) _____ Strike Mounting



- (6) M5 x 20 (Metal door metric version) _____ Keep Fixing
- (6) 12-24 x 3/4" O.H.P.M.S. (Metal) _____ Strike Mounting
- (6) #12 x 1" F.H.P.T.S. (Wood Door) _____ Strike Mounting

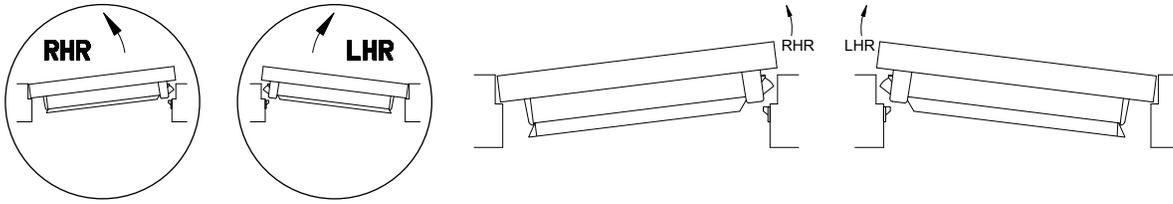


- (2) M5 x 20 (Metal door metric version) _____ Keep Fixing
- (2) 10-32 x 5/8" F.H.P.M.S. (Metal) _____ Strike Mounting
- (2) #10 x 1" F.H.P.T.S. (Wood Door) _____ Strike Mounting



- (2) M5 x 20 (Metal door metric version) _____ Keep Fixing
- (2) 10-32 x 5/8" F.H.P.M.S. (Metal) _____ Strike Mounting
- (2) #10 x 1" F.H.P.T.S. (Wood Door) _____ Strike Mounting

HANDING OF DOOR



Read the entire fixing instruction sheet prior to installation.

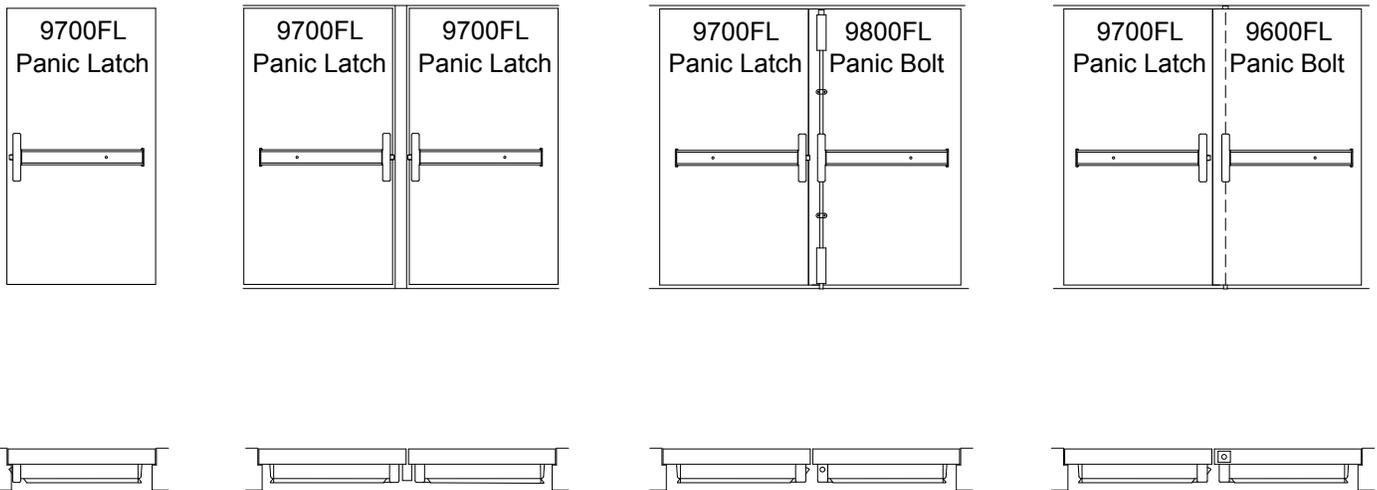
Before Installing Hardware:

1. Door should be fitted and hung.
2. Verify door width, handing and product with carton label for correct panic latch & length. (See Step 5)
3. For hand reversal of outside lever trim see page 4.

NOTE:

If panic latch is to be installed over glass lite panels, glass lite shim kit may be required order GK9200.

TYPICAL DEVICE FIXING



SPECIAL TOOLS FOR FIXING

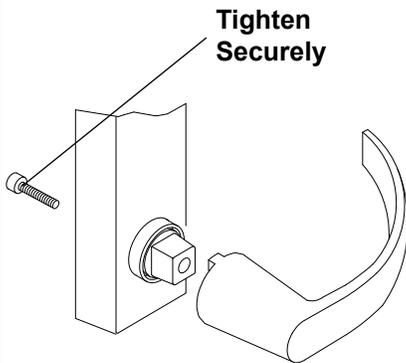
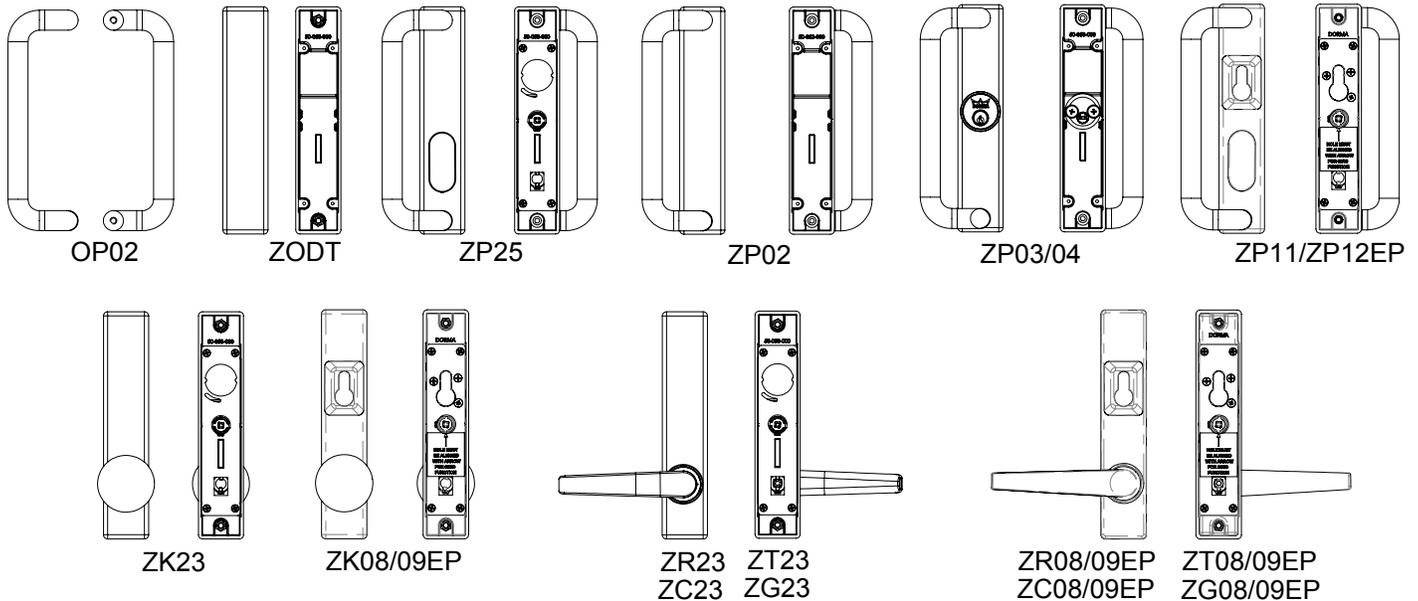
Centre Punch
M5 - Tap, M6 - Tap
Drill bits: 3.8mm, 4.2mm, 10mm, 13mm, 25mm & 38mm
5/32" Allen wrench for lever trim.
Cross point screw driver
Hack saw

TYPICAL OUTSIDE TRIM INSTRUCTIONS

Note: When used with narrow stiles, consult door manufacturer for compatibility.



LHRB TRIM SHOWN RHRB OPPOSITE



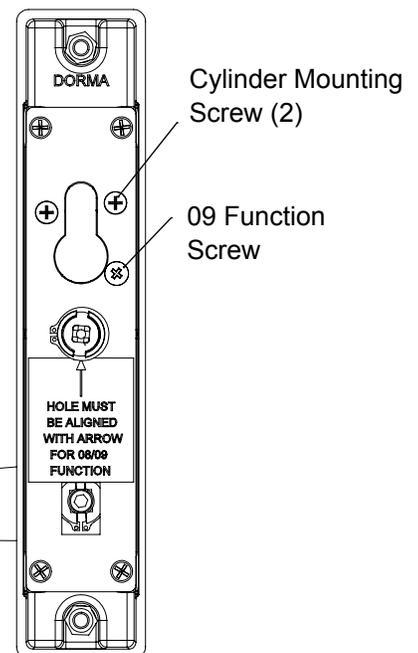
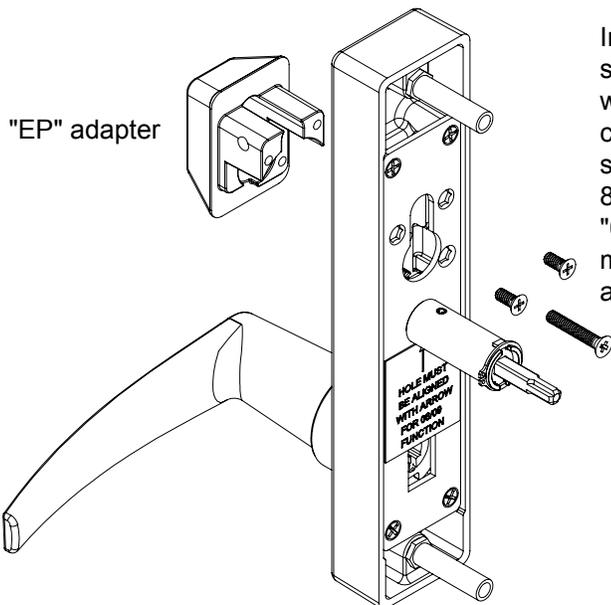
IMPORTANT

Note: All lever handles except for "clutch" are shipped unattached. To install; **Place handle in desired position and attach with allen screw located in back of trim plate. 5/32"** Allen wrench required.
To change hand on "clutch" trim rotate and "break" lever around to desired hand.

All trims are free wheeling.
(Handle will rotate when locked.)

Fixing of "EP" cylinder

Insert "EP" cylinder into adapter, secure with set screw supplied with cylinder. Insert adapter/cylinder assembly thru trim and secure assembly with (2) 8-32 screws as shown. For "09" function (key only removable when locked) insert additional 8-32 screw as shown.



ADDITIONAL DOOR PREP REQUIREMENTS

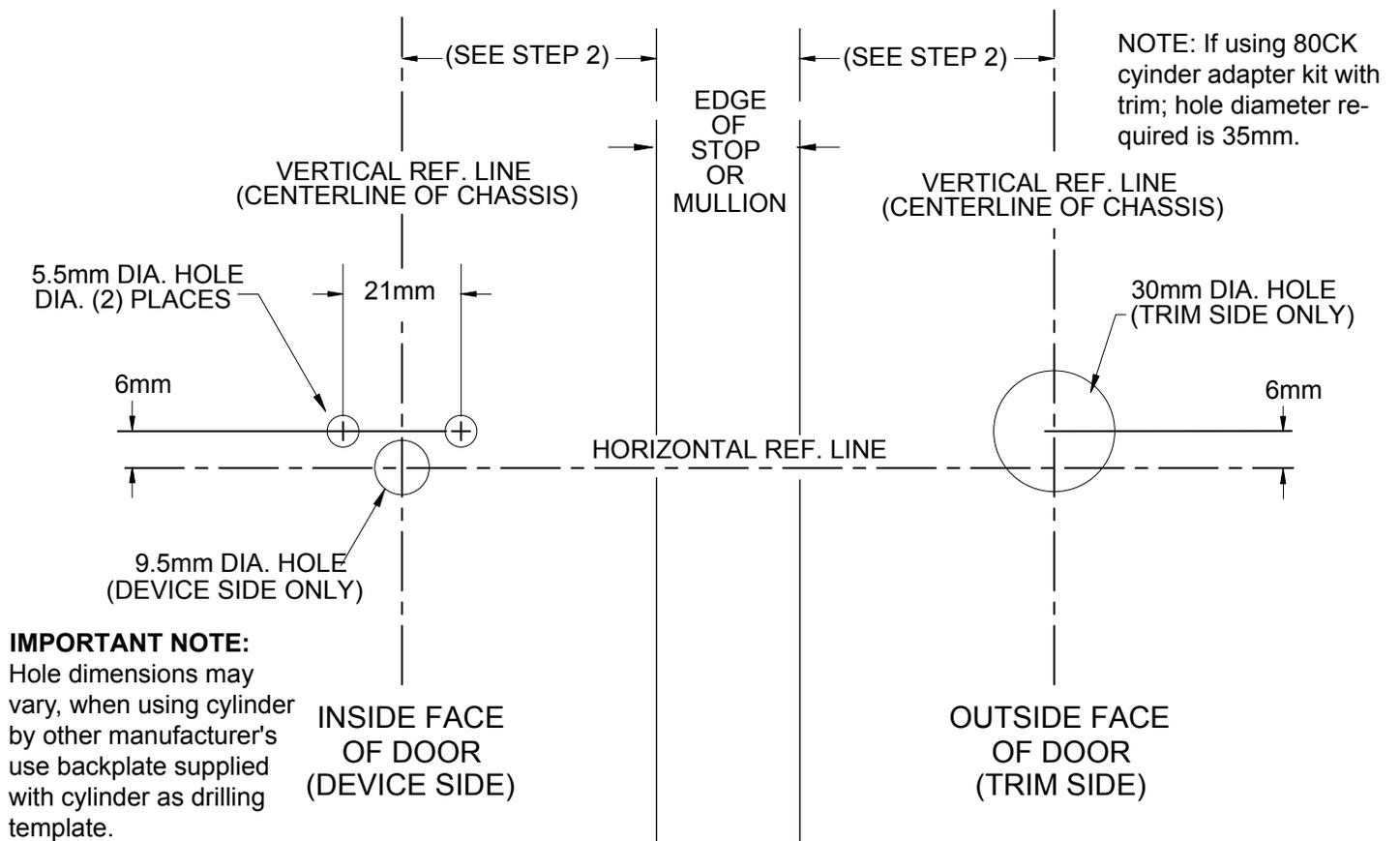
9700FL

Rim Exit Device

RHR Shown

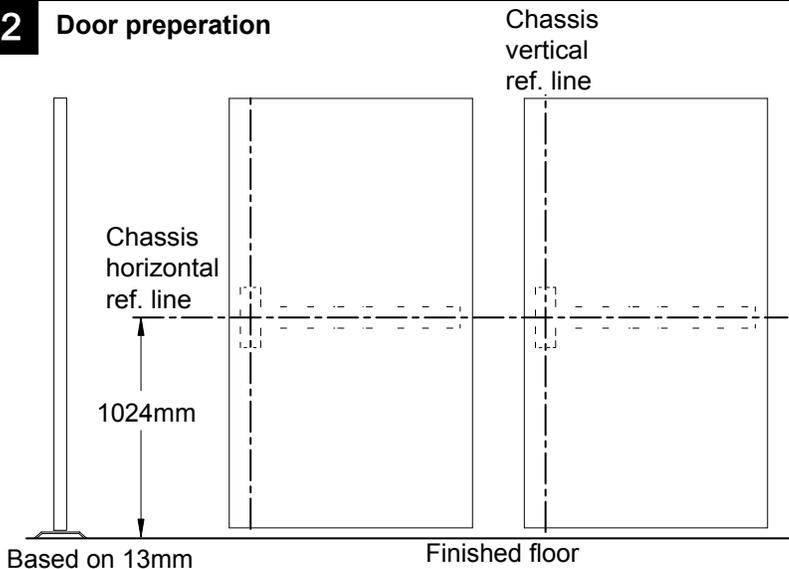
LHR Opposite

Required for "03" & "04" function on device
with cylinder only and no trim.
(NOT TO SCALE)

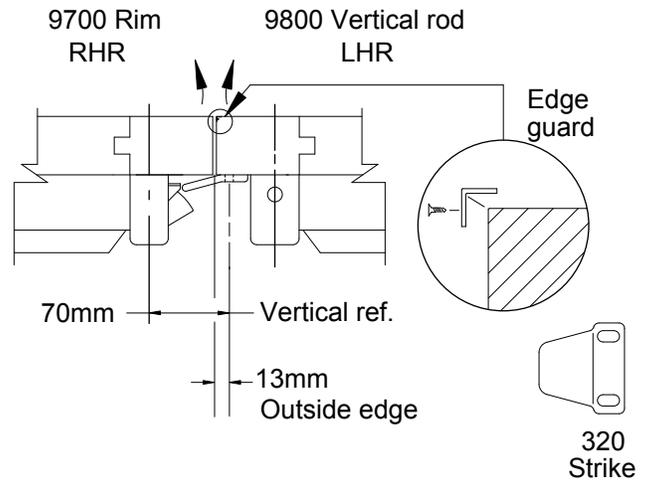
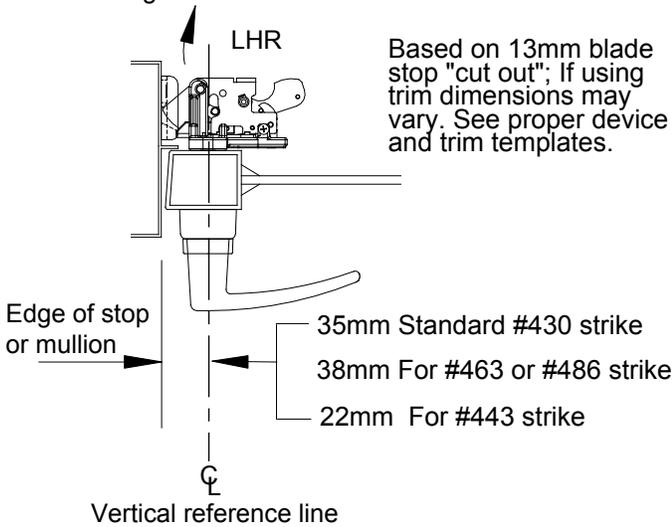
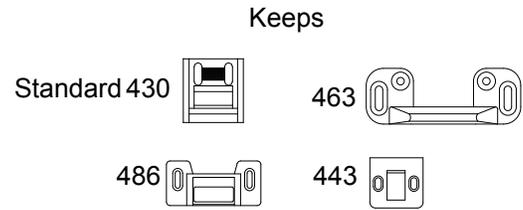


1 Open box, layout all parts and verify prior to starting installation. See page (2) two for parts.
Note: If this is a retro-fit from current AD4300 series see page 13 prior to proceeding.

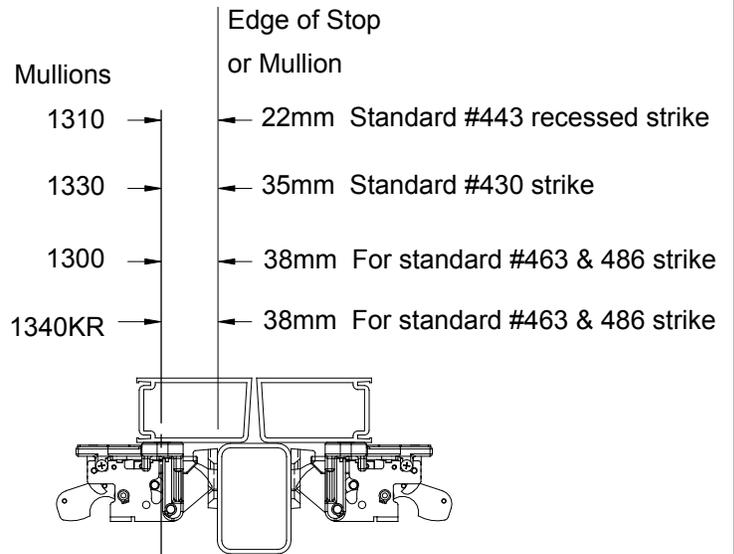
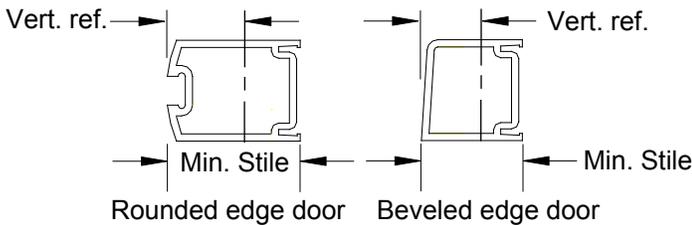
2 Door preparation



Based on 13mm threshold and 5mm clearance between threshold and door after door is hung.

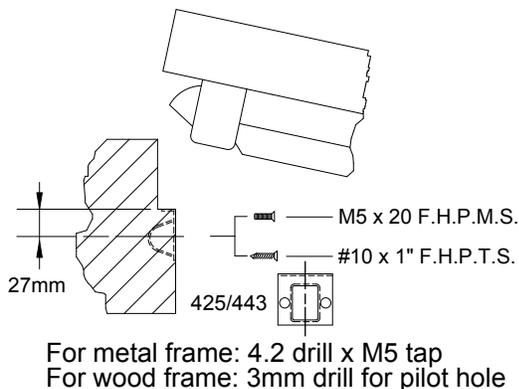
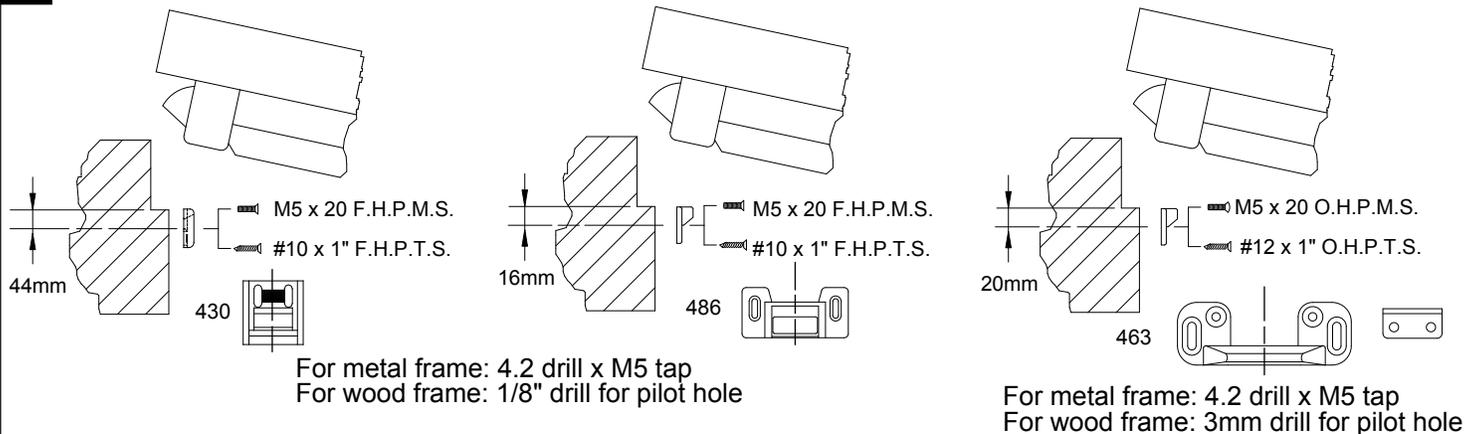


Backset or vertical reference is measured from outer edge of door as shown. Minimum stile is less glass stop.

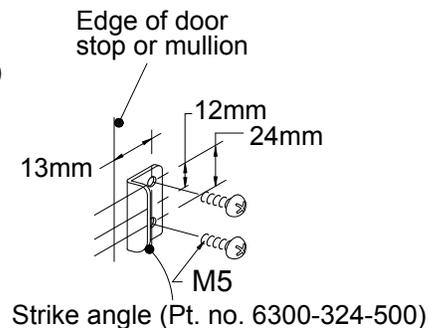


Type of installation	Minimum vertical ref. of chassis	Minimum Stile	
		Pull only	"Z" trim
Single door 13mm blade stop	35mm	51mm	56mm
Pairs and double egress	32mm	41mm	54mm

3 Prepare frame for keep



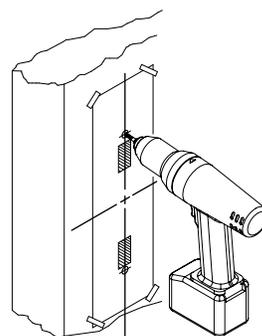
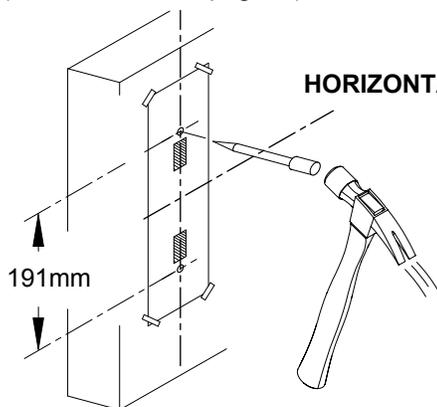
Strike angle
(Fire rated device only)
must be installed on
rated openings.



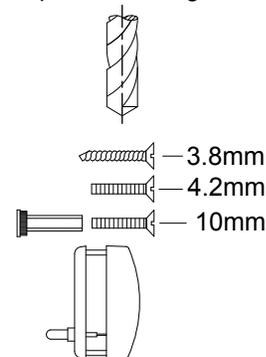
4 If not done layout device on door using drilling template T9700 located at rear of booklet. For additional templates contact DORMA at 1-800-523-8483 or www.dorma-usa.com

Refer to carton label for model and trim number prior to drilling.
Prepare mounting holes and cut-outs per template.

VERTICAL REF. LINE
(See Backsets on page 5.)



Verify all holes
prior to drilling.



5 Prepare to install touch bar and rail on door.

NOTE: All dimensions are based on 13mm stop height; Verify strikes, stile width, any trim and stop height prior to making any cuts. If cutting is required follow instructions below.

For "FL" (Full length touch bar & rail) Series

Size AA:

Fits 1220mm door opening without cutting.
Can be cut to fit a 838mm minimum door opening.

Size BB:

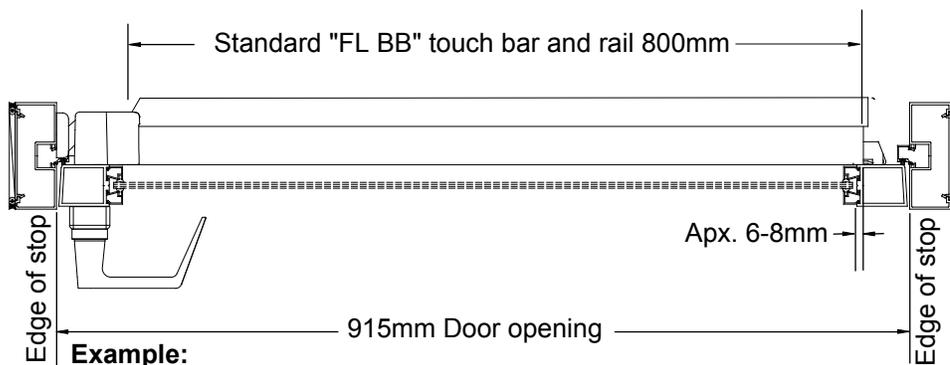
Fits 915mm door opening without cutting.
Can be cut to fit a 686mm minimum door opening.

Size CC:

Fits 915mm door opening with out cutting.
Using a shorter touch pad then the standard "B" size allows it to be cut to 610mm door opening.

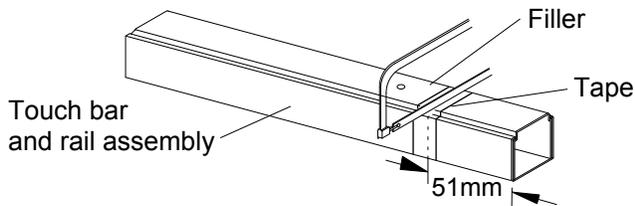
Note: Models with prefix options such as "ES", "DE" etc. may not be cut down to minimums shown to left. Consult factory or catalog for details.

Verify device length with box label; "AA", "BB" or "CC", ie. 9700FL BB



Example:

Note: If door opening width is less or stops are different, then standard touch bar will have to be cut down. ie: door opening width 863mm subtract 51mm from rear of rail, depress touch bar as shown, tape and cut to length as shown. Touch bar should be approximately 5mm longer then rail once it is released to upward position.



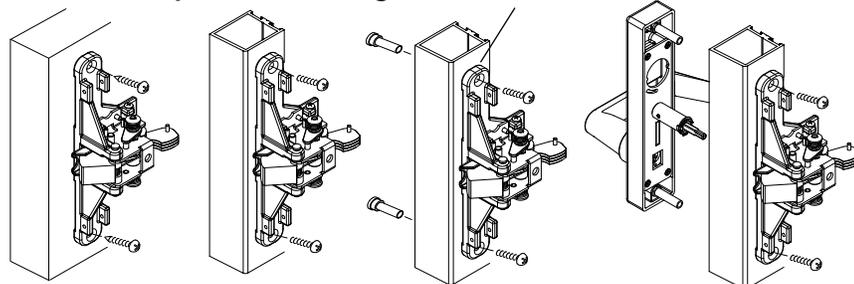
IMPORTANT

Use caution when cutting touchbar and rail to size on models with "ES", "MS", "LM" or "DWA" prefix options. These units contain internal wiring. For models with prefix options "BPA", BPAR" or "DE" remove filler containing electronics before cutting.

6 Secure chassis to door as shown.

Metal - (2) M5 x 20 R.H.P.M.S.
Wood - (2) #12 x 1 1/4" R.H.P.T.S.
(For other options; trim, thru bolts, etc. see below.)

Optional mounting



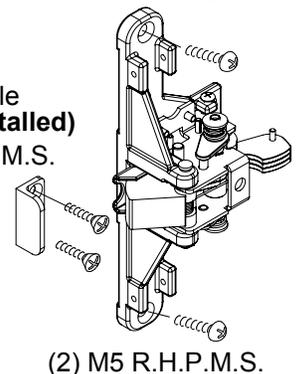
For 89mm stiles or less on aluminum doors, place shim under chassis prior to mounting on door. **(Finished side to outside face.)**

F9700 Series chassis assembly

Strike angle **(Must be installed)**
(2) M5 F.H.P.M.S.

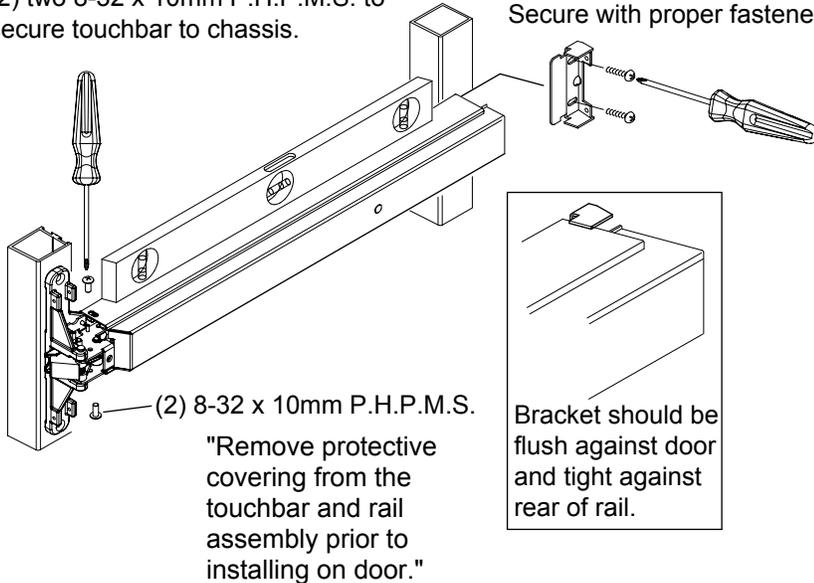
AD#463 Strike

(4) M5



7 Install "FL" touch bar and rail assembly and end cap to door.

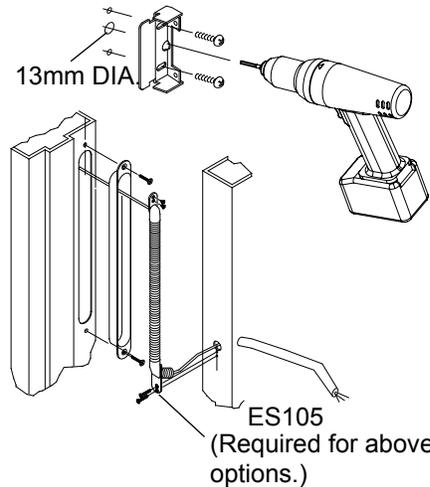
Remove two 8-32 screws from chassis, slide touch bar and rail assembly under rear of chassis. **Note: If device has prefix "ES" ensure that pins in lever bolt align with slots in actuator located inside nose of touch bar.** See instruction sheet IES-7 packed with device. Install (2) two 8-32 x 10mm P.H.P.M.S. to secure touchbar to chassis.



- 3.8 x 25mm Deep (Wood)
- 4.2 x M5 Tap (Metal)
- 10mm Drill (Thru bolts)

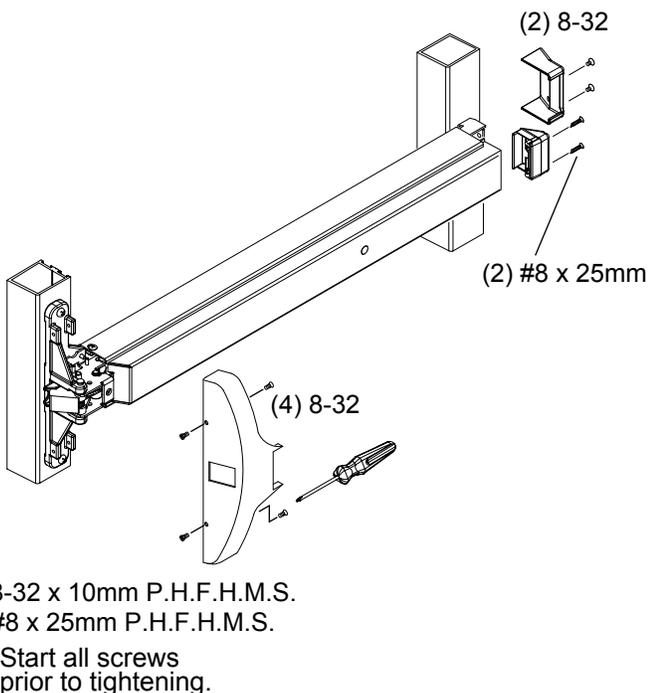
Metal/thru-bolts - (2) M5 x 20 F.H.P.M.S.
Wood - (2) #12 x 1 1/4" F.H.P.T.S.

For the following models prefixes: "ES", "MS", "LM" or "DWA" drill an additional 13mm diameter hole as shown. See options pages at rear for additional information.



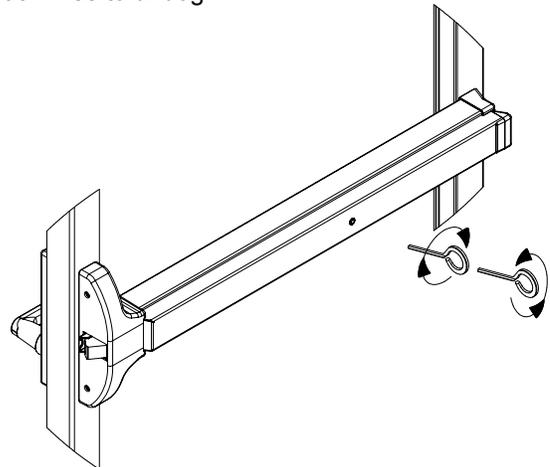
NOTE: If carton label list prefix; "ES", "MS", "LM", "BPA", "BPAR", "DWA", "LM/MS/BP" or "CD" prefix see Options pages at rear.

8 Install center case cover and end cap.



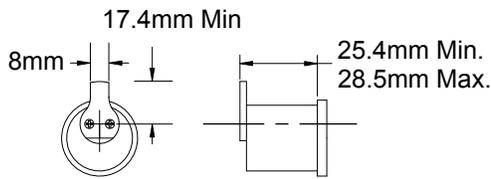
9 Check dogging operation (if equipped).

Standard hex key dogging, depress touch bar, insert supplied hex key and rotate clock wise to dog and counter clock wise to undog.



OPTIONS: Cylinder dogging

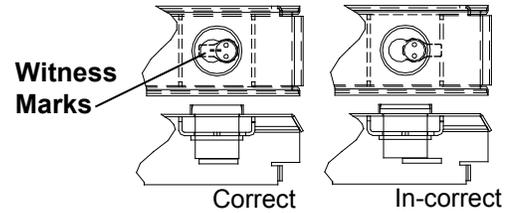
Cylinder specifications and cams;



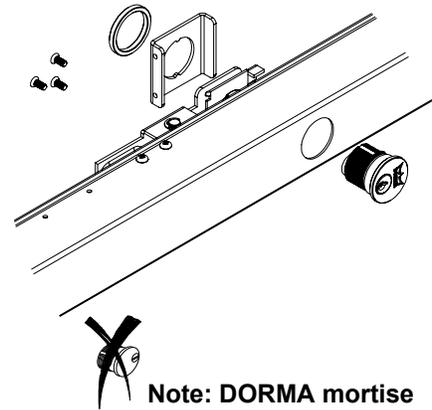
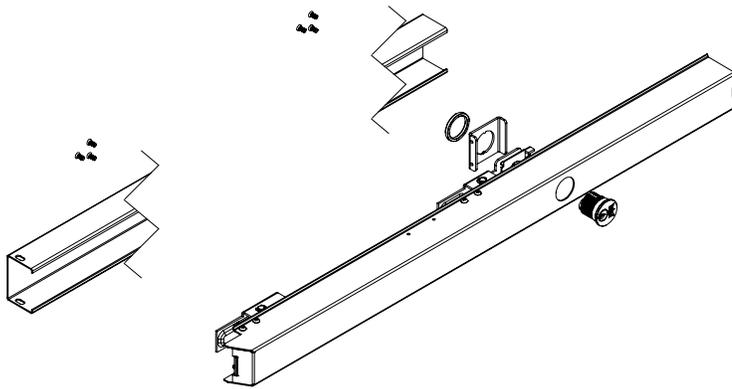
Note: When using IC core cylinders, ensure that cam is in proper position prior to installing the new core.

Useable Cams

Arrow	001	Ilco/Unican	SC1
Assa	Std. (Yale)	Lori	SC1 4200-82-2002 Std.
Best	C136	Sargent	13-0664 or 13-0660
Corbin	A02	Schlage	001
Falcon	12667-3	Yale	2160



Cylinder dogging option on full length touch bar and rail; (See cam specifications above.)



Note: DORMA mortise cylinder supplied. To use other manufacture cylinders, "L" less cylinder is available.

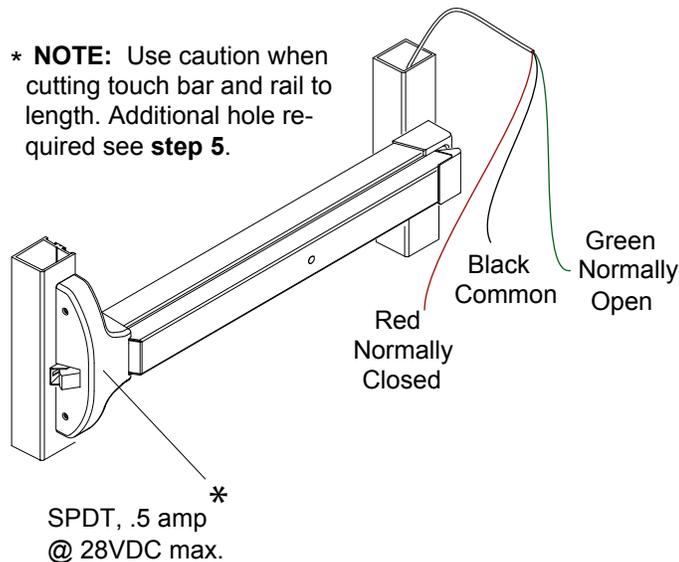
To change cylinder:

1. Remove end cap, end cover & end cap mounting bracket.
2. Remove cover from chassis and two chassis to touch bar mounting screws.
3. Remove (6) touch bar to rail mounting screw from underside of rail.
4. Flip rear arm assembly outward from underside of touch bar.
5. Remove cylinder nut on underside of touch bar.
6. Remove cylinder and mounting plate.
6. Insert new cylinder facing as shown in detail.
7. Install mounting bracket and cylinder nut.
8. Flip rear arm assembly back under touch bar.
9. Re-install touch bar to rail with (6) screws.
10. Install touch bar & rail back on to chassis with (2) screws.
11. Re-install end cap mounting bracket.
12. Re-install end cap, end cover & chassis cover.



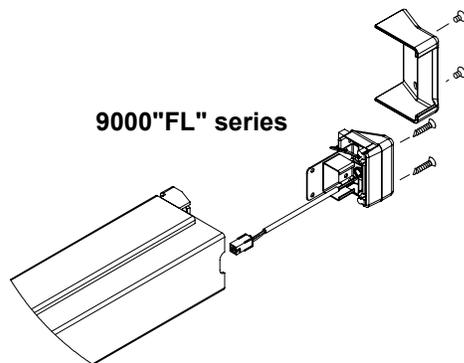
Option: "LM" Latch monitor; monitors movement of latch bolt with or without depressing of touch bar.
May be wired either normally open or normally closed.

* **NOTE:** Use caution when cutting touch bar and rail to length. Additional hole required see **step 5**.



"BPA", "BPAR" & DWA (ALARM) Options; "BPA" Battery powered alarm, sounds continuous until reset. "BPAR" alarm sounds for 4 minutes then will automatically reset. **Alarm mode set at factory.**

Note: On the 9000"FL" version caution must be used when cutting touch bar and rail to length due to the wires running inside of the assembly. A standard **DORMA** cylinder is supplied on both units, to change to a customer supplied cylinder follow steps under "**cylinder dogging**". Refer to additional instruction sheet packed with device for operational instructions etc.



To change battery:

1. Prop open door.
2. Remove (2) end cover mounting screws.
3. Remove (2) end cap screws.
4. Remove end cap & replace battery.
5. Re-install in reverse order.

Size AA:

Fits 1220mm door opening without cutting.
Can be cut to fit a 851mm minimum door opening.

Size BB:

Fits 915mm door opening without cutting.
Can be cut to fit a 699mm minimum door opening.

Size CC:

Fits 915mm door opening with out cutting.
Using a shorter touch pad then the standard "B" size allows it to be cut to 622mm door opening.

"DWA" OPTION:
Battery Eliminator

White

Green
(Non-polarized)

Connected to outside power source; 12-24V AC/DC supply. ie: Dorma ES-100 etc.
Contact Dorma **1-800-523-8483** for other supplies available.

OPTIONS

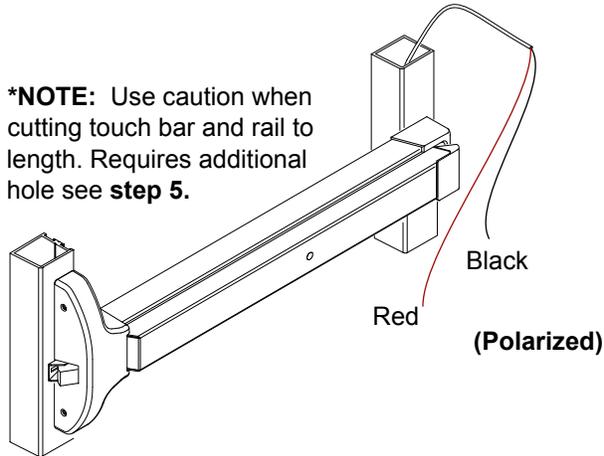
Option: "ES" Electric latch retraction: Electrically retracts latch bolt(s) when energized by power supply.

Electrically retracts latchbolt(s)
when energized by power supply.

**REQUIRES DORMA ADPS501 POWER SUPPLY
AND ES105 POWER TRANSFER.**

ADPS501 Will operate (2) "ES" 9700 exit devices,
but is capable of powering (2) additional devices
by installing the optional "ES-2" card.

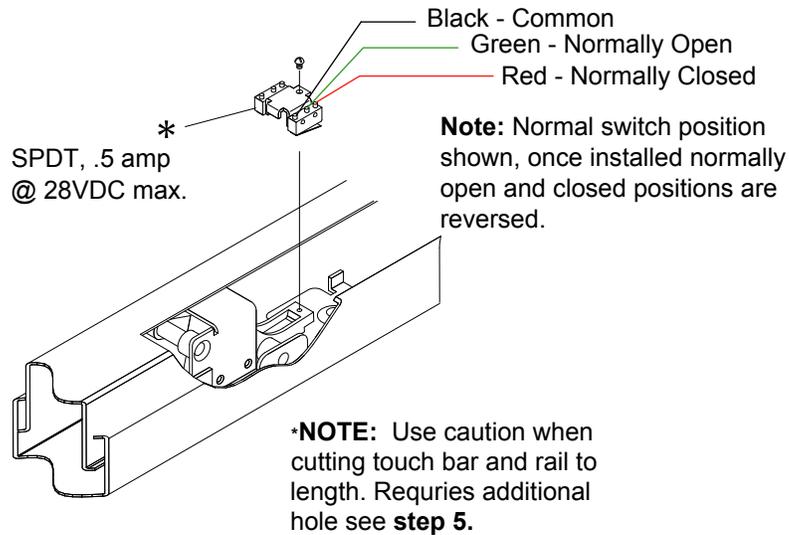
***NOTE:** Use caution when
cutting touch bar and rail to
length. Requires additional
hole see **step 5**.



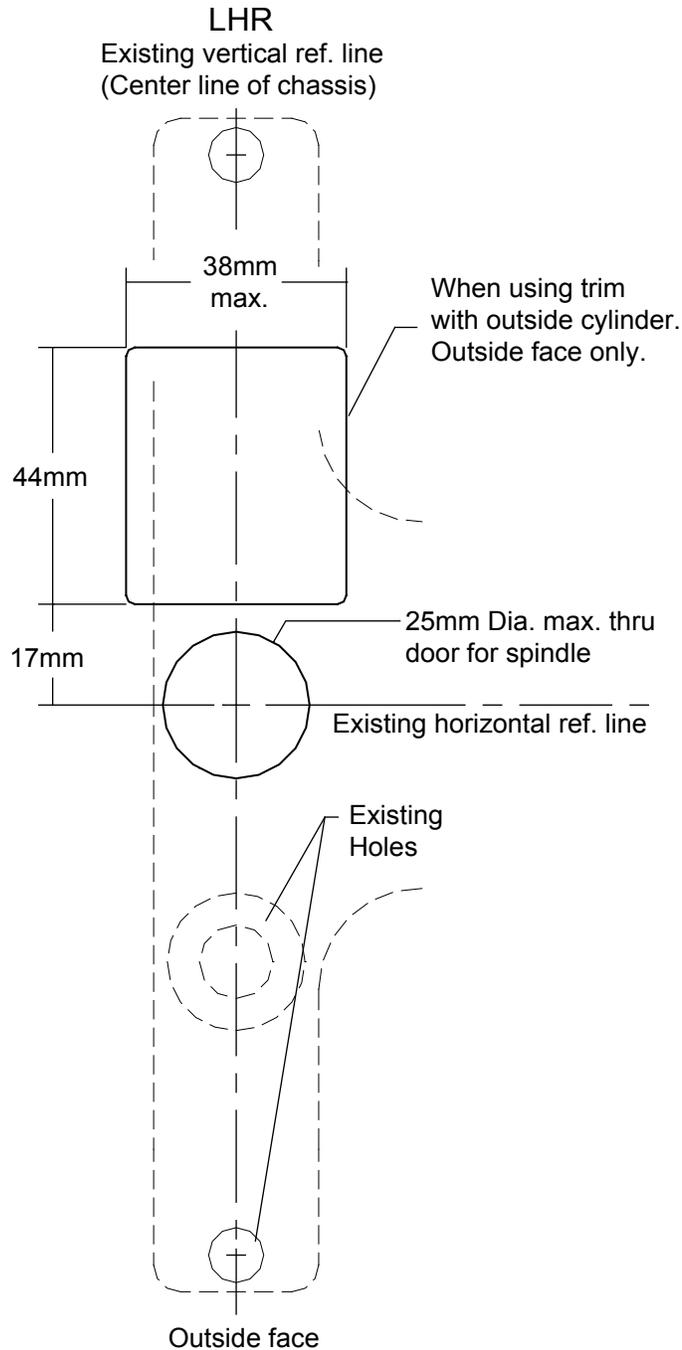
Option: "MS" Monitor Switch: Monitors movement of touch bar, or can be used to signal an external light, horn etc.

Located on the rear arm assembly as shown;
Comes standard with (2) two micro switches.
Both can be wired normally open or normally
closed.

**On the "FL" series it can be added, however
the touch bar must be removed completely
from the rail to install switch assembly.**



RETROFIT FROM EXISTING AD4300 TO NEW 9700FL MODEL



DO NOT SCALE

Additional installation instructions:

New "Z" trim required if using trim.

Existing keep may or may not have to be adjusted or relocated and replaced.

Install chassis assembly to door, install end cap bracket to door, hold touch bar and rail assembly in position aligning screw holes in rail with mounting screw location of chassis, mark a line on rear of rail where front edge of end cap bracket is then cut touch bar and rail assembly to length.

Install touch bar and rail to door then install all covers.

DORMA 9700FL PANIC LATCH

FIXING INSTRUCTIONS

This device is intended for use on single and/ or double outward opening fire escape route doors.

Category of projection = Category 2

Field of door application = Category A

Maximum of 5mm door distortion allowed to ensure safe exit.

Maximum of a 1000N pulling force achieved against the fixing screws.

This device is suitable for use on fire doors.

60 min. single and double timber doors.

240 min. single and double steel doors.

WARNING

The safety features of this product are essential to its compliance with EN 1125 (2008). No modification of any kind, other than those described in these instructions, is permitted.

Panic devices manufactured in accordance with EN 1125 : 2008) will provide a high degree of safety and reasonable security provided they are fitted to doors and frames of equal quality and in good condition. The doors must be correctly hung and free from binding or any distortion. This device is not recommended for wood hollow core doors.

IMPORTANT

This equipment must be installed by a competent fitter. If these fixing instructions are not followed, then no responsibility for malfunction will be accepted by the manufacturer, and warranty claims may be considered invalid.

These fixing instructions must be passed to the user after installation has been completed.

EN 1125 CLASSIFICATION NUMBER FOR THIS PRODUCT

3	7	6	B	1	3	2	2	B	A
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DOOR SIZES

This product is suitable for doors up to

Size A 838mm to 1220mm wide, 2500mm high.

Size B 686mm to 915mm wide, 2500mm high.

Size C 610mm to 915mm wide, 2500mm high.

(Doors above 2500mm fall outside the scope of EN 1125)

200Kg door mass maximum.

BS EN 1125 : 2008 PANIC EXIT DEVICE ON A SINGLE DOOR
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 panic 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 panic exit device.

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

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

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

A.8 Where a panic 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 panic 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 Panic 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 horizontal bar 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 bar.

A.13 The horizontal bar should be installed so as to provide the maximum effective length.

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.

BS EN 1125 : 2008 PANIC EXIT DEVICE ON A SINGLE DOOR
ANNEX A continued

Installation and Fitting Instructions

A.15 Where panic 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 "Push Bar to open" or a pictogram should be provided on the inside face of the door immediately above the horizontal bar, or on the bar 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.

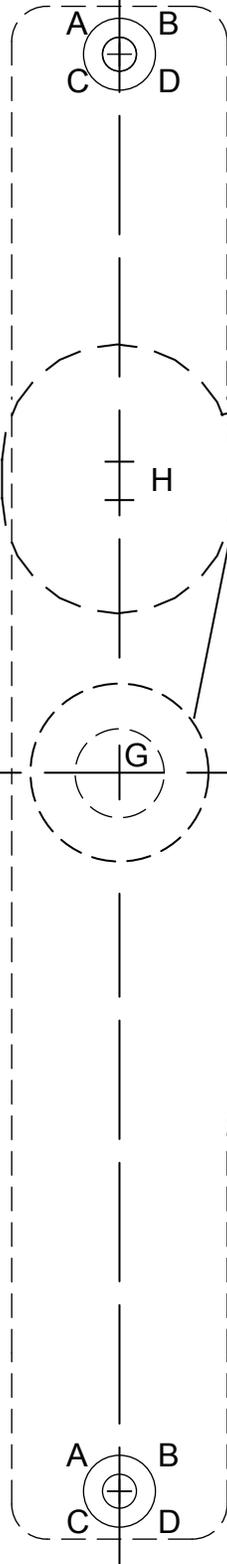
D) Check that no additional locking devices have been added to the door since its original installation.

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.

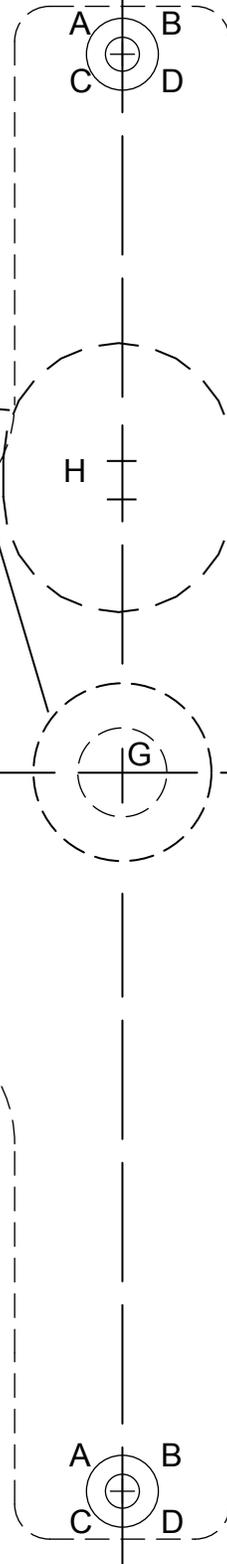
LHRB

VERTICAL REF. LINE
(CENTERLINE OF CHASSIS)



RHRB

VERTICAL REF. LINE
(CENTERLINE OF CHASSIS)



EXIT DEVICE 9700"FL" SERIES

OUTSIDE
FACE ONLY

OUTSIDE
FACE ONLY

NOTE: FOR CYLINDER ONLY
FUNCTION SEE PAGE 5

HORIZONTAL REFERENCE LINE

- A FOR TIMBER DOOR 3.8 x 25mm DEEP
- B FOR METAL DOOR 4.2 x M5 TAP
- C FOR SEX BOLT 10mm DIA. HOLE THRU DOOR
- D FOR USE WITH TRIM 10mm DIA. HOLE THRU DOOR
- G FOR KNOB/LEVER/THUMBTURN 25mm DIA. OUTSIDE FACE
13mm DIA. INSIDE FACE
- H FOR KNOB/LEVER/THUMBTURN 25mm DIA. OUTSIDE FACE
38mm DIA. x 44 HIGH FOR CYLINDER CLEARANCE