GAAB LOCKS

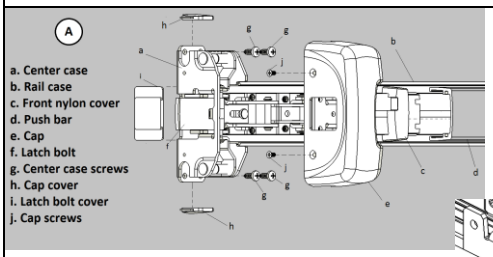
IRAM 3687 / EN 1125 COMPLIANT

INSTRUCTION MANUAL

LINE T300 / T395

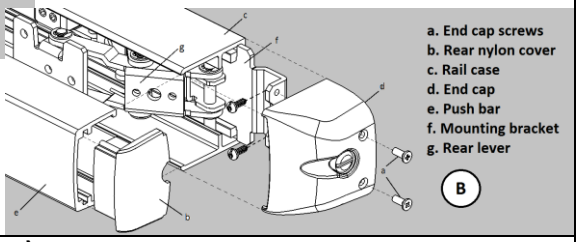
This panic device manual must be provided to user

DESIGNATION OF PARTS



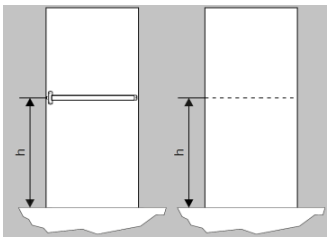
Front part

Rear part



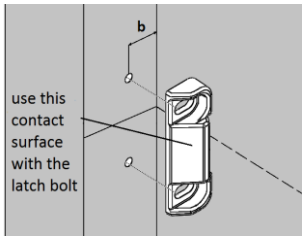
MECHANISM ASSEMBLY (SINGLE LEAF)

1



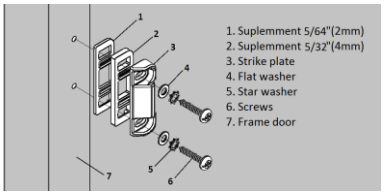
To mark mechanism height (h), mount bar at a height between 36" (900mm) and 43" (1100mm) from floor. In areas where evacuees may be mostly children, device may be installed at a lower height.

2



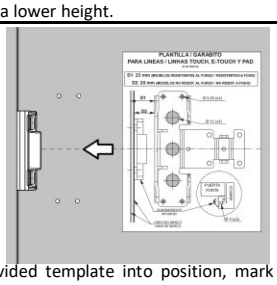
Center strike plate with line, mount and mark holes. Drill holes on frame with a #25 (3.75 mm) drill bit. The centers of the holes must be positioned at 5/8" (15 mm) 'b' distance from frame inside edge.

3



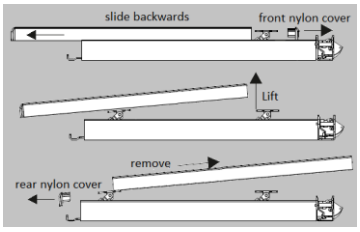
Secure strike plate on frame with screws and washers in the order as shown in the illustration. Mount strike plate on its support face according to Step 2. Use the accessories provided, if necessary.

4



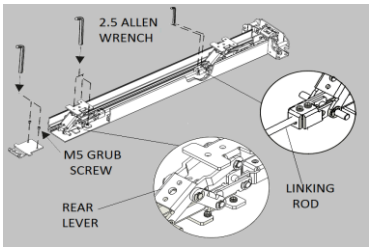
Place the provided template into position, mark and drill 1/8" (3.25 mm) holes on the inside face of the door on the latch door stile. If outside trim is added, drill 1/2" (12mm) through holes.

5



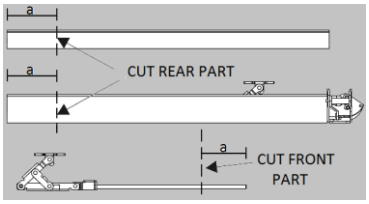
To undogg the push bar procced as shown in 10. If necessary, reduce rail case length. For this, remove screws from end cap and remove it, and the front nylon cover as well; slide push bar backwards and then remove rear nylon cover. To lift bar, lean it as shown in the illustration and remove it pushing forward.

6



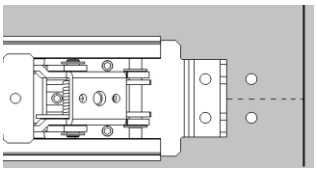
Use a 2.5mm Allen wrench to loosen grub screws holding levers linking rod, and remove the mounting bracket and the rear lever using the rail case track for this.

7



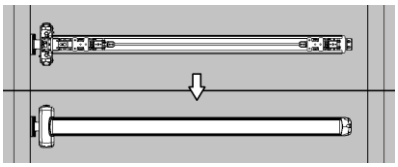
Use a saw to cut rail case, bar and center rod to the extent necessary in the places indicated in the illustration (always same measure (a) in the 3 cuttings). Then place again rear scissor, mounting bracket, center rod and grub screws in the opposite direction to the one shown in 6.

8



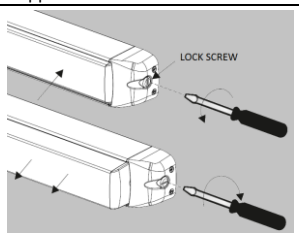
Mount rail case on door and center it. Mark and drill holes on mounting bracket with a 1/8"(3.25mm) drill bit. Place rail case on door, fix case screws and mounting bracket screws. Use a Phillips screwdriver to tighten screws.

9



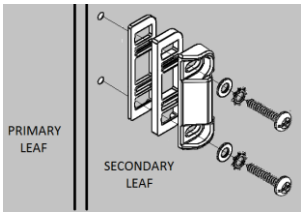
Place bar again in the opposite direction to the one shown in number 5. Place bar covers, end cap and cap as well as the screws. Use a Phillips screwdriver to tighten screws (see images A and B above).

10



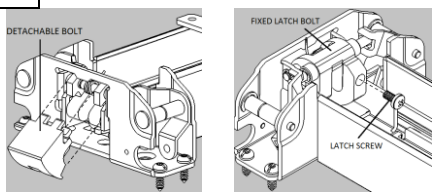
Dogging system: to undogg the push bar, turn a flat screwdriver 90° clockwise; to dogg it, turn tool 90° anticlockwise.

11



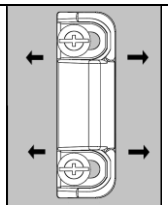
Follow single leaf door steps to install the first lock on main door, but fit front strike plate flush with the edge of the secondary door. Use template provided to mark and repeat steps 1, 4, 5, 6, 7 and 8 to install the second lock on the side of the secondary leaf

12



Insert latch bolt in secondary leaf rail case until the latch screw head is visible and remove it with Phillips screwdriver. Then, remove detachable latch bolt.

13



Check the smooth functioning of the door. If necessary, use strike slots to adjust the position of strike plate with closed door. The door must open SMOOTHLY.

Panic device projection category 2 (2 1/2"/64mm)

Door application field: Single and double doors
Max. Weight: 440Lb.(200kg.)
Max. Width: 4'(1220mm)
Max. Height: 8'(2440mm)
Temperature: 14°F to 140°F (-10°C a 60°C)

Line T 395: designed for fire doors, 90min. fire resistant.

MANUFACTURER´S SPECIFICATIONS

"The safety features of this product comply with EN 1125 and IRAM 3687. Alterations other than the ones specified in these instructions are forbidden".

REMARKS: For double leaf doors, see T291 assembly instructions.

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INSTRUCTIONS PRIOR TO DEVICE INSTALLATION:

1- Before installing a panic device, make sure the door swings correctly and is unobstructed. The door design must conform with the installation requirements for this device, for example, the eccentric hinges and door latch bolts must allow leaves to open simultaneously, the gap between leaves must be according to specification, doorway must be free be of any obstruction, etc.
NOTE: The panic exit device manufactured to the above mentioned standards ensure a high safety level for the people and increased building security provided it is installed on doors and frames in good working order.
2- Before installing a panic device on a fire/smoke door, see door certification to make sure the door has been subjected to fire tests and is a fire/smoke rated product.
3- Remove any door seal or gasket which may prevent panic device from working efficiently.
4- In double doors with overlap where panic devices are installed on both leaves, please make sure that each leaf opens when its panic device is pressed and that both leaves open correctly when both panic devices are pressed simultaneously. For this application, a device for increased opening may be required to activate main door leaf.
5- If the lengths of panic exit devices are different, please adjust length for this application.
6- Grade 2 panic exit devices (standard exit) must be used when the space for door opening is narrow or door cannot open more than 90°.
7- Doors and frames must be firm enough so as to hinder any distortion greater than 13/64”(5 mm) in any position while in use.
8- If a device is installed on a glass panel door, make sure the glass is tempered or laminated.
9- If panic device is installed on an emergency exit door made of wood, metal or glass without any frame, you may need to use a different fitting system. For a safer fitting, use male or female through bolts.
10- The material of the leaf door where device is installed must be resistant to a tensile force greater than 1.5 KN applied to each screw.
11- Panic exit devices are not designed for double acting traffic doors.
12- Follow installation instructions carefully. Installer must hand over Installation and Maintenance Instructions to the user.
13- The length of push bar must be its maximum possible length, which cannot be lower than 60% of the door width.
14- Install latch bolts and strike plates in a way to ensure a safe locking. It is important that the latch bolt projection -when in retraction- does not prevent door swinging freely.
15- If the device is installed on double leaf doors with overlap and automatic closing device, we recommend the use of a door coordinator under EN 1158 to ensure a reliable sequential closing. This recommendation is particularly important in case of fire and/or smoke doors.
16- For the door lock in closed position, do not use devices other than those specified in the European standard EN 1125 and IRAM 3687. This standard does not rule out the installation of automatic closing systems.
17- If a door closing system is used to return door to closed position, be careful not to block escape exit route for children, elder and disabled people.
18- Any lock plate, receptacle or protection plate for panic devices must be installed in compliance with EN 1125 and IRAM 3687.
19- We recommend the use of a sign which reads ‘push bar to open’ or a pictogram placed on the inside face of the door above the push bar or on the bar itself if there is enough room for pictogram. The pictogram surface must be not smaller than 12.4 in^2 (8000 mm^2) and pictures must be white in a green background; the arrow must indicate the door operation when installed.

PRODUCT COMPATIBILITY:

T300 Vertical locking (optional) T291-00/00B/00G/04/04B/04G; Vertical locking rods (optional) T291-01/05;
Outside trims (optional): T800-XXX / T850-XXX / T870-XXX

T395 Vertical locking (optional) T291-06/07; Vertical locking rods (optional) T291-01/05;
Outside trims (optional): T800-XXX / T850-XXX / T870-XXX

Remarks: In case of double doors, the use of vertical locking and vertical locking rods on the secondary door leaf is obligatory.

Important: The panic exit device (T395) suitable for fire resistant doors must be placed on a door that is also fire resistant and approved at a time equal to or less than that of the device.

CLASIFICATION UNDER UNE-EN 1125:

T300	3	7	6	0	1	3	2	2	B	A

MANITENANCE INSTRUCTIONS:

In order to comply with EN 1125 and IRAM 3687, it is important to carry out routine maintenance works on a monthly basis or at least every 20 000 opening cycles.
a) Check and operate the panic exit device to ensure that all parts are in good working order.
b) Ensure that the lock(s) is/are unobstructed.
c) Make sure that the contact surfaces between the latch bolt and strike plate are lubricated with lithium grease at a use temperature suitable for the use conditions (for example: Special grease GR 2/3 DILMAX or of a similar kind). Check panic device and its accessories, if suitable.
d) Check no other locking devices have been added to the door since panic device was first installed.
e) At regular intervals check all the system parts are genuine and certificate-compliant.
f) The fit of the door must be regularly monitored and with the use of a force meter measure and record opening and closing forces to release panic exit device. Check opening and closing forces have not greatly changed since they were first recorded when installing device.