INSTRUCTIONS MANUAL T291

SURFACE-MOUNTED VERTICAL ROD DEVICE TO APPLY ON EMERGENCY DOORS WITH JAQUE T300 AND T290 SERIES

IMPORTANT

This is a product for people's safety. Read carefully all the instructions of this manual.
It complies with UNE-EN1125 and IRAM 3687. No modifications different from those described in theese instructions are allowed.

1) USE AND APPLICATION

The T291 SERIES are suitable to high frequency use and they fulfill comply with tests of durability of 200000 opening and closing cycles.

Vertical rods must also be used in emergency swing doors:

- As lock for the in-active leaf in case of double doors with JAQUE panic exit devices.

- As Three-point latching for the active door in case of single/double doors with JAQUE panic exit devices. (Attention: in case of T290 SERIES with three-point latching, no outside trim use is available).

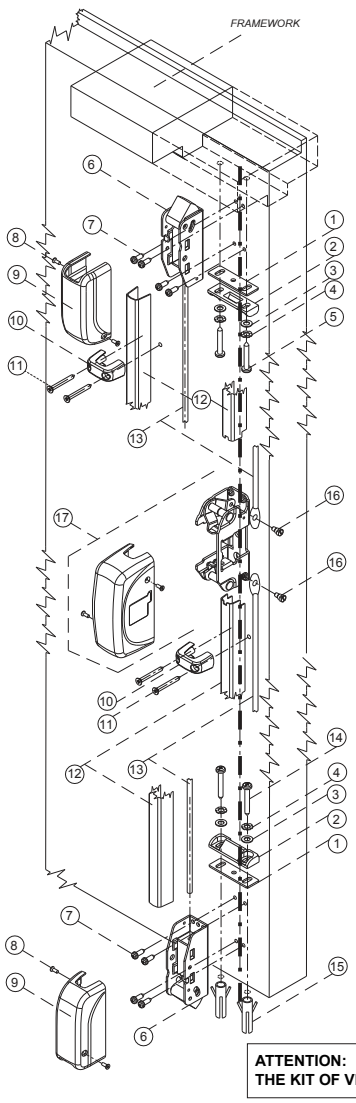
This product is available for doors up to 440lbs. weight, 4' width and 8' height.
Doors must be rigid enough to firmly fix the devices and with no deformations. Leafs must be installed in perfect square and level.

2) PREPARATION

2.1) GENERAL SCHEME AND COMPONENTS

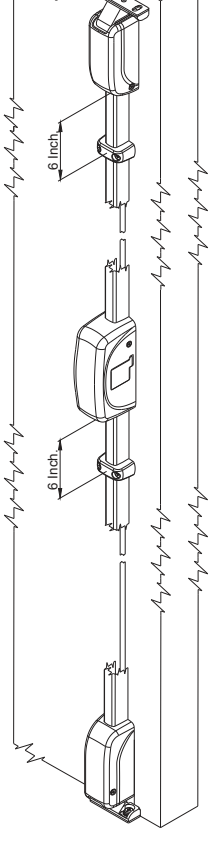
A) ASSEMBLY

FIGURE 1



	COMPONENTS	QUANT.
1	SUPLEMMENT	4
2	STRIKE	2
3	FLAT WASHER	4
4	STAR-SHAPED WASHER	4
5	SCREW n° 10x1"	2
6	ROD MECHANISM	2
7	SCREW n°8x1/2"	8
8	SCREW M3X8 SELF THREADING	4
9	CAP	2
10	ROD GUIDE	2
11	SCREW n° 6x1 1/2"	4
12	GUARD	2
13	THREADED ROD	2
14	SCREW n° 10x 1 1/2"	2
15	DOWELS 8mm	2
16	FIXING SCREW ROD	2
17	PANIC EXIT DEVICE	-

B) INSTALLED DEVICE



ATTENTION:
THE KIT OF VERTICAL RODS (13), COVERS(12) AND FIXINGS (10&11) ARE SOLD SEPARATELY

3) INSTALLATION

VERTICAL ROD INSTALLATION IS TO BE DONE AFTER THE JAQUE PANIC EXIT DEVICE'S..

The following instructions are defined for the installation on swing doors with standarized frames and configuration. In case of doors with frames in level with the wall, double contact doors or any other non standard configuration, the position of the fasteners holes of mechanism and strikes must adequate to every particular case.

ATTENTION: In case of glass doors, a specific support must be used (sold apart) and the fasteners holes must be done before tempplation and as shown in the manual and templates of that product.

3.1) Remove the chassis cap of the panic device in a way its mechanism remains visible. Draw with a pencil a vertical line (Fig. N° 2) from the top edge of the leaf up to the bottom one, going through the installed mechanism's centre.

3.2) Close the leaf in a way It can't move.

3.3) Fold the template by the line named as "border-frame-floor" and place it in the area the top latch will be installed, aligning its pointed axis with that one previously drawn on the door. Slide up or down the template until the drawing line "border-frame-floor" matches with the edge of the frame of the door (Fig. N° 2).Assure the template in this position and draw a mark for the four 1/8" diameter holes.

FIGURE 2

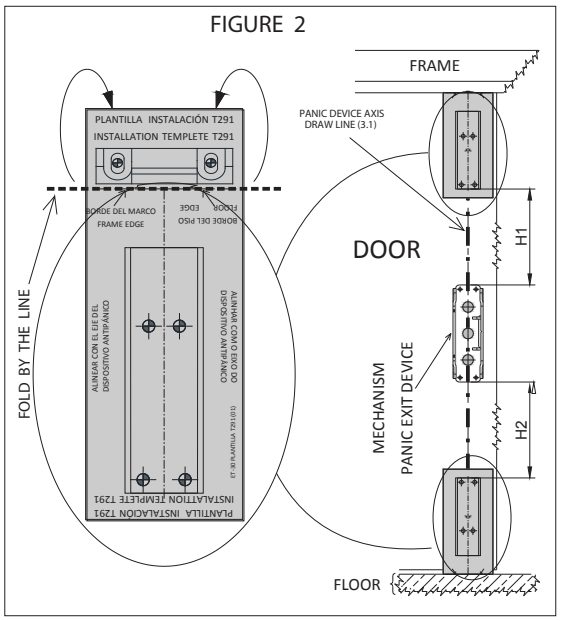
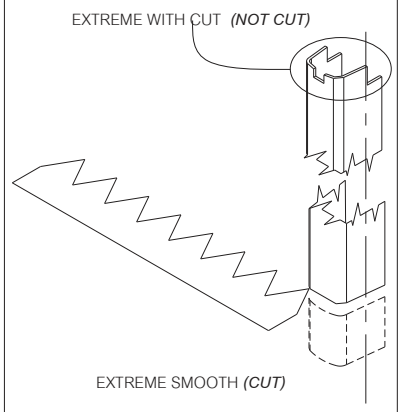


FIGURE 3



CUT OF THREADED ROD AND GUARD	
LENGHT OF HIGHER THREADED ROD	H1+1 25/32"
LENGHT OF HIGHER GUARD	H1+1/8"
LENGHT OF LOWER THREADED ROD	H2+1 25/32"
LENGHT OF LOWER GUARD	H2+1/8"

3.4) Mark the fastening holes of the bottom latch as in 3.3, turning the template upside down and using the floor's border as reference this time.

3.5) Drill the eight 1/8" holes previously marked and fix both latch cases with the n°8x1/2" screws.

3.6) Measure the distance between the top edge of the panic chassis and the bottom edge of the top latch case (distance H1 in Fig. 2).If necessary, cut the longer threaded rod to H1+1 25/32" in length. Thread the rod about 3/8" into the top latch case, until the hole in the flat end of the rod matches with the threaded hole in the panic device mechanism.Insert the attachment rod screw in the rod's hole and thread it in the panic device. By pressing the touch bar/bar, check that latch comes totally back and that remains totally extended while neutral position. Set the rod's length by removing the attachment rod screw and roll/unroll if necessary. Then place again the screw in its position.

3.7) Measure the distance between the bottom edge of the chassis of the panic device and the top edge of the bottom latch case. (distance H2 in Fig. 2). If necessary, cut the shorter threaded rod to H2+1 25/32" in length. Then proceed as in 3.6 to install the bottom rod.

3.8) If necessary, cut the longer guard to H2 + 1/8" in length, by its flat end (Fig. 3). Then place it with its fretwork end in the edge of the panic exit chassis and the opposite on the border of the top latch case. By holding it in this position, place the cover on the top latch case, fixing it with the M3x8 mm screws. Attention: these are self-drilling screws; place them correctly aligned to the axis of the hole.

3.9) If necessary, cut the shorter guard to H2 + 1/8" and place it in the bottom latch case as shown in 3.8.

3.10) Place and fix the cover of the chassis in the panic device.

3.11) Place a rod guide on the top guard about 6" below the latch case and mark on the door both holes. Proceed the same way with the other rod guide, placing it about 6". below the bottom of panic device case. Drill with a 3/32" drill bit the four holes and fix both guides with the n°6x1/2" screws.

3.12) Place one of the strikes on the top frame of the door as in Fig. 1B; align it with the latch. Mark its holes and drill with a #25 bit. Fix the strike attending the following sequence: strike, flat washer, star-shaped washer, n°10x1" screw. With door closed, check the proper interference between the latch and the strike, so as to avoid the opening of the door. Then press the touch bar/ bar to check the latch properly coming backward and letting the door be opened with no interferences.
If necessary, add any of the supplements provided or slide the strike by its oblong holes to get a proper matching between the latch. Then secure it definitely with the n°10x1" screws.

3.13) Place the remaining strike on the floor, aligning it with the bottom latch as shown in Fig. 1B. Proceed as in 3.12 but drilling with a 5/16" bit. Place the dowels in the holes and fix the strike as in 3.12.

3.14) Check the function of the mechanism by opening and closing the door many times. The touch bar/bar must be pressed without any effort. If necessary, readjust both the rods or the strikes.

4) MAINTENANCE

Clean the device every 3 months, moving away dust and dirty. Check that all screws of attachement are properly fixed.Ap ply grease with a brush to the moving parts of the mechanism. Finally, check function repeatedly.