

LAMP® FD30-H SLIDING DOOR SYSTEM Installation Manual

(One-Way Soft Close, Recessed Mount Roller) Part No.FD30HCP

Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

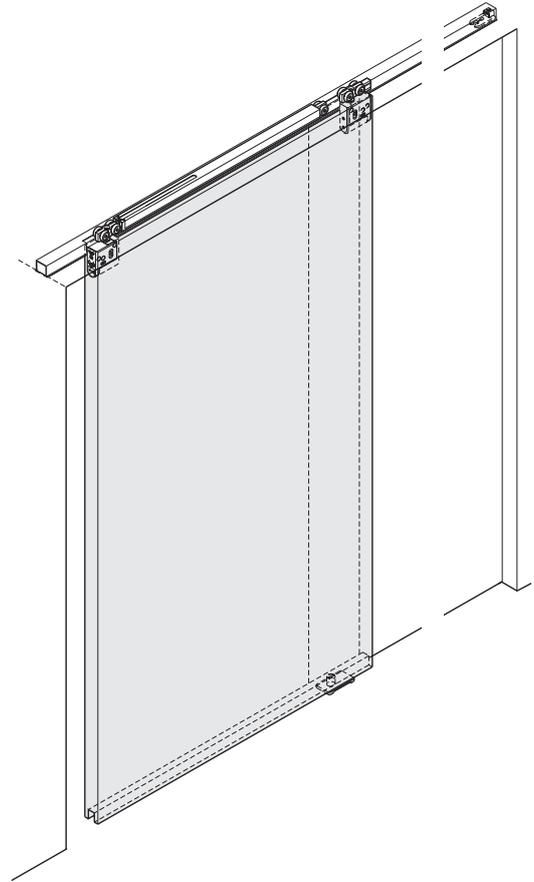
ABOUT THE PRODUCT

- This product is a parts set for sliding door system for indoor use.
- The door closes in 2 step soft motion; first slow, then fast.
- Easy door installation and adjustment.

SPECIFICATIONS

Door width	510 mm – 1000 mm
Max. Door height	2400 mm
Min. Door thickness	24 mm
Max. Door weight	30 kg
Height adjustable range	±4 mm
Forward - backward adjustment	±2 mm

- The closing speed of the soft closing type door may change due to ambient temperature, operating method or installation quality.
- Recommended ambient temperature range is 5 to 40 degrees centigrade.



FOR YOUR SAFE WORK AND CORRECT INSTALLATION

Meaning of symbols

 Warning Caution	 Prohibited	 Required
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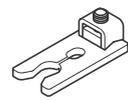
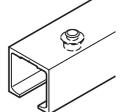
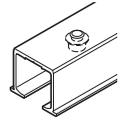
! WARNING: If these warnings are not followed, it may result in death or serious injury.

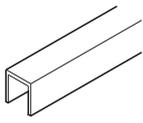
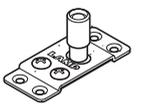
- ! This (sliding door system) should be installed by an experienced person who has correct knowledge. If the system is not installed correctly, the door will not operate smoothly, and or may cause injury.
- ! It is necessary to manufacture the frame with sufficient strength so it endures the weight of the door and impact shocks upon opening/closing the door. A frame with poor strength or loose screws might result in improper and slower movement of the door. In the worst case, the door might drop down and cause injury.
- ⊘ Do not try to use this product for any other purposes other than originally intended for. Do not use the parts for applications that are out of specification.
- ⊘ Do not disassemble nor modify any parts than those described in this document.

! Caution: If these cautions are not followed, it may result in injury or damage.

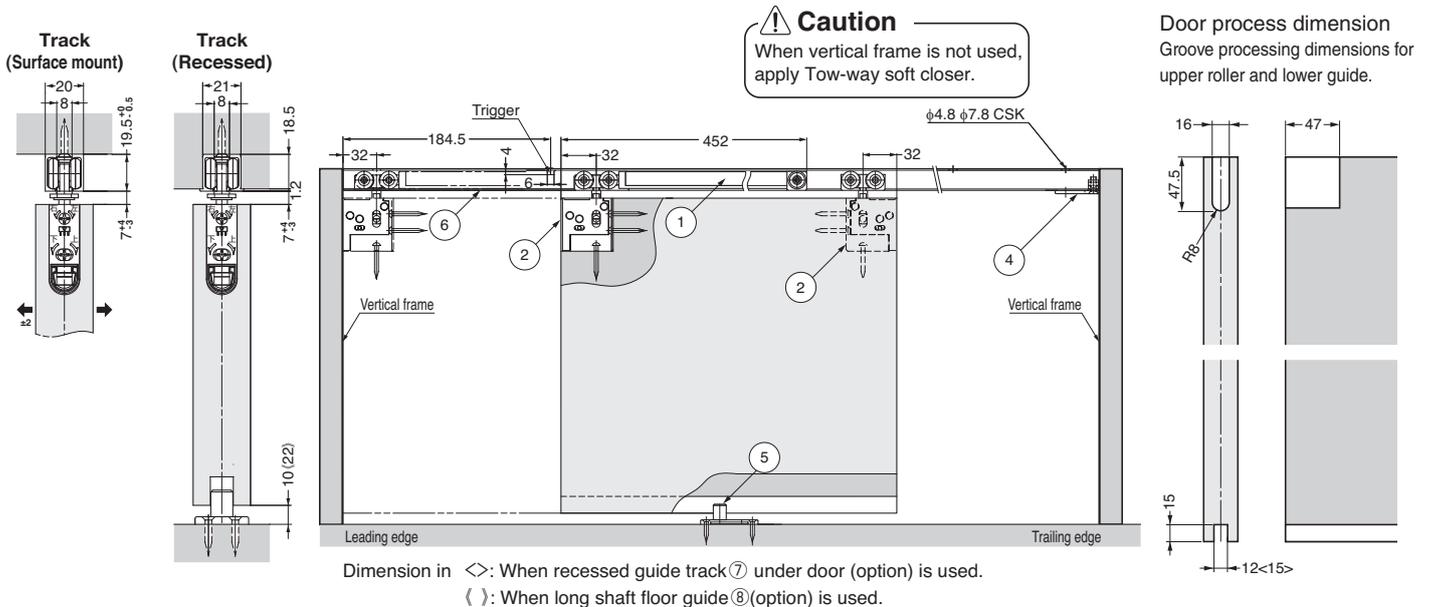
- ! Make sure to follow the designated measurements and specifications as well as horizontal and verticals angles. Make sure that the frame is not warped, since it may affect the movement of the door.
- ! If cutting any parts, make sure to remove any burr before installation. Also check the upper track for any left-over burr or scrap and remove these.
- ! This sliding door system is a part for architectural fittings. After installation, make sure to test the finished product thoroughly to ensure that it is well-functioning and safe.
- ! Make sure to test the screws for slack at regular intervals (one month from first usage, half year and then one time every year is recommended).

COMPONENT PARTS

No.	①	②	③	④	⑤	⑥	
Name	One-way soft closer	Upper roller (recessed)	Cover cap for upper roller	Door catcher	Floor guide (with roller)	Upper track (surface mount)	Upper track (Recessed mount)
Item No.	FD30-WRH-SC	FD30-WRH	FD30-WRH-CP	FD30-HTST-GR	FD30-HBG		
Item						 Hole pitch : 300 mm Pitch end : 30 mm	 Hole pitch : 300 mm Pitch end : 30 mm
Accessories	Pan head tapping screw 3.5x30 3pcs	Pan head tapping screw 3.5x30 4pcs	—	—	Countersunk head tapping screw 3.5x30 5pcs	—	—
Remarks	—	—	—	—	—	Recommended screw : Countersunk head tapping screw 3.5x20	

OPTIONAL PARTS	No.	⑦	⑧	⑨
	Name	Door bottom guide track	Floor guide with roller(long shaft)	Spanner
	Item No.	FD30-HBRT1500SIL	FD30-HBGH	FD30-FSP
Item	 Hole pitch : 250 mm Pitch end : 30 mm	 Countersunk head tapping screw 3.5x30 4pcs		

INSTALLATION DRAWING (EXAMPLE)



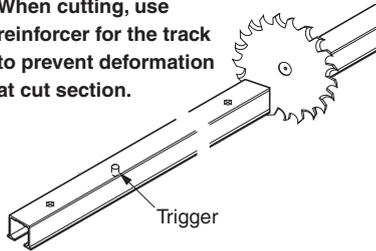
1 Preparation and Installation

1. Cutting track

Cut the track at the side, where trigger is not assembled, to required length.

⚠ Never cut the track at trigger side.

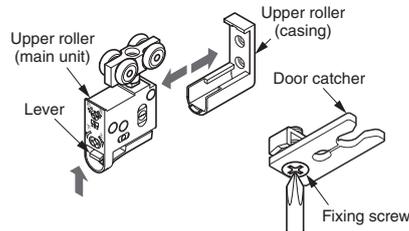
⚠ When cutting, use reinforcer for the track to prevent deformation at cut section.



2. Preparation of mounting parts

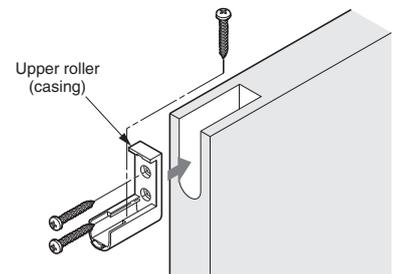
One-way soft closer and upper roller: Pull up lever to separate main unit from casing.

Loosen fixing screw on Door catcher.

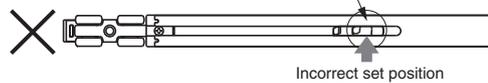
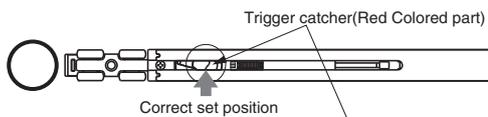


3. Installing casing

Firmly insert upper roller casing into the place as shown, fix it with attached screws.



4. Confirmation before installing One-way soft closer



If the position is wrong, pull back the trigger catcher to the correct position using 6 mm diameter round hard bar.

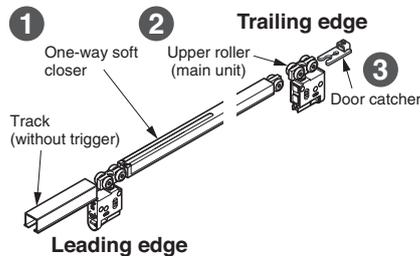


5. Assembly of parts and installing upper track

Assemble the parts in order of 1 to 3 with care of direction.

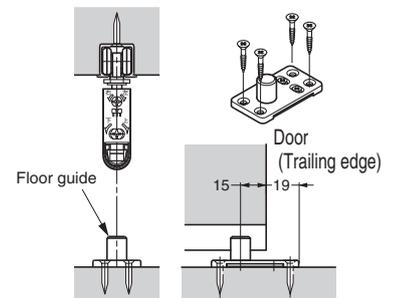
⚠ Caution

Tape around upper roller and upper track to prevent drop of inserted parts.



6. Floor guide

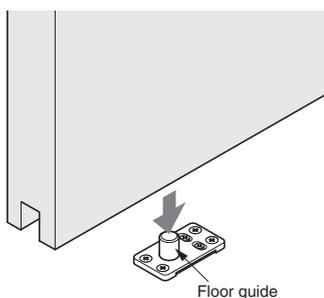
Install the floor guide so that it remains between the leading and trailing edges of the door when it is opened or closed.



2 Hanging Door and Adjustment

1. Door installation (bottom)

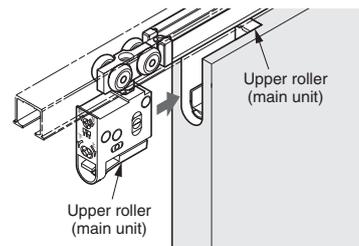
Insert the floor guide in the groove, then hang the door.



2. Door installation (top)

Insert upper roller main unit into door side casing, and push in lower end of upper roller until "click" sound is heard.

⚠ Confirm that upper roller main unit is not dislocated from casing, for both door head and door tail sides.



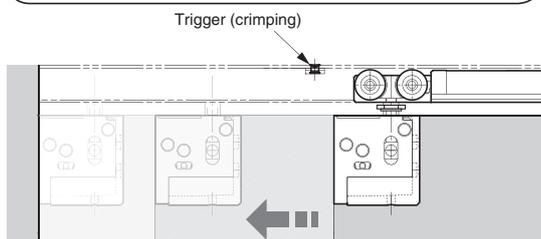
3. Confirmation of One-way soft closer operation

Slowly moving the door toward door head side, confirm that sliding door closer starts its function approximately 100 mm before door stopping vertical frame.

When closer is not working correctly, take remedy according to "Troubleshooting".

⚠ Caution

Do not close the door with excessive force. It may cause damage or malfunction of soft close mechanism.



4. Adjusting door position

Adjust door such that door is parallel to upper track with 10 mm clearance between door and floor.

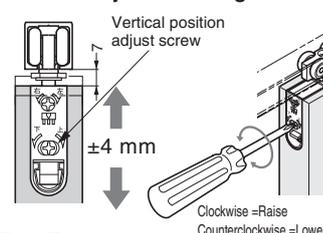
⚠ Caution

Do not turn adjustment screw more than adjustment range to prevent damage.

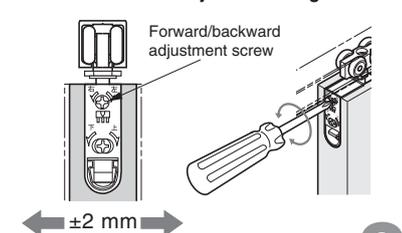
To avoid damage on the adjustment screw, do not use motor screw driver.



Vertical adjustment range: 8 mm

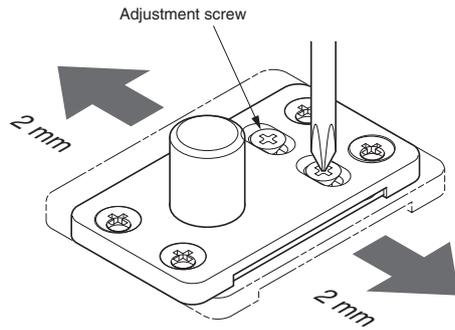


Forward/backward adjustment range: 4 mm



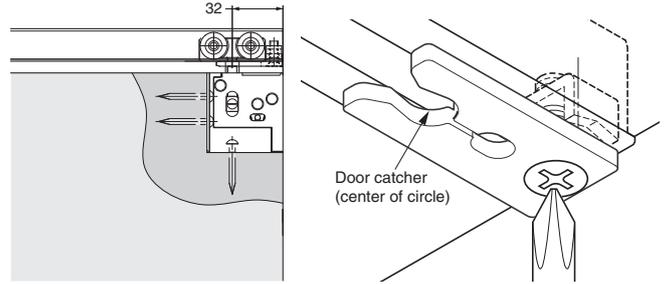
5. Adjusting Floor guide: adjustment range 4 mm.

Slowly close and open the door. If door is not moved smoothly, it is necessary to make an adjustment for floor guide and door.



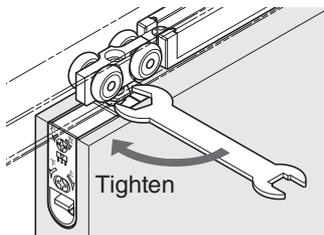
6. Fixing Door catcher position (Trailing edge side)

Fix Door catcher at the position where the center of Door catcher is 32 mm from the vertical frame. Then slowly moving the door to close. If necessary, adjust Door catcher position.



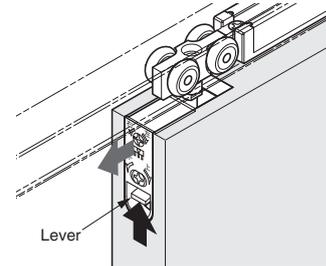
7. Fixing jump prevention nut

After adjusting door height and forward/backward position, tighten jump prevention nut on soft closer until it contacts to main unit using optional spanner (FD30-FSP) or 12 mm spanner.



How to remove door

Use a 10 mm support under the door. Then pull out the upper roller main unit from the door while raising the lever.



Final confirmation Confirm that all screws are securely tightened. And, confirm that all screws are used without mistake.

PERIODICAL INSPECTION

- Clean inside of track.
- Check upper space and lower space of the door. If necessary, correct the space.

■ TROUBLESHOOTING

Trouble	Check	Solution
Door stops during soft closing	Check if door bottom contacts with floor.	Confirm that track fixing screws are not loosened. Then, adjust door height such that clearance between door bottom and floor becomes 10 mm.
No soft closing	Check if door stops before door stopper.	Close the door completely. This will reset the function.
	Check if trigger is located at leading edge side.	If it is caused by wrong direction of track mount, re-mount the track. If it is caused by wrong track cutting, replace the track.
	Check if door is closed with excessive force.	Do not close the door with excessive force. It prevents suitable function causing trouble. Use normal operating force.
Abnormal noise during operation	Check if hook lock is used.	Depending upon specification of hook lock, soft closer may not be able to close the door. Please contact us.
	Check if door touches other parts.	Provide necessary space between door and adjacent objects.
	Check inside of upper track for foreign matter or aluminum	Remove dust or foreign matter.
	Check track rollers for aluminum dust.	Remove the track and pull out the roller. Then, clean the roller.
Heavy door operation	Check for loose screws retaining the upper track.	Tighten the screw.
	Check if door touches adjacent parts.	Correct door position to avoid contact to other objects. Adjust position of floor guide.
	Check if door is warped.	Use the door without warp.
Door does not move.	Check track retaining screws for looseness.	Roller touches the screw. Retighten screws to free the roller.
Door starts to move.	Check if the upper track is set horizontally.	Using a level gauge, reset upper track horizontally.

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