

Mounting bracket for PML-300 lock

User manual



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1. Product overview



Fig.1. Mounting Bracket

The bracket is used when the PML-300 lock cannot be mounted on the top surface of the door frame. It attaches to the side face of the frame, repositioning the lock horizontally so the armature plate can be fitted to the door edge. Suitable for metal and wooden doors.

2. Bracket installation

An L-shaped bracket is used when the lock must be mounted on the side face of the frame rather than the top surface. The armature is fitted to the door edge.

1. Fix the L-bracket vertical leg to the side face of the door frame.
2. Attach the PML-300 lock body to the horizontal leg of the bracket.
3. Mount the armature plate to the edge of the door leaf.
4. Close door — verify full flush contact between lock face and armature.
5. Tighten all fasteners. Connect DC 12V supply.

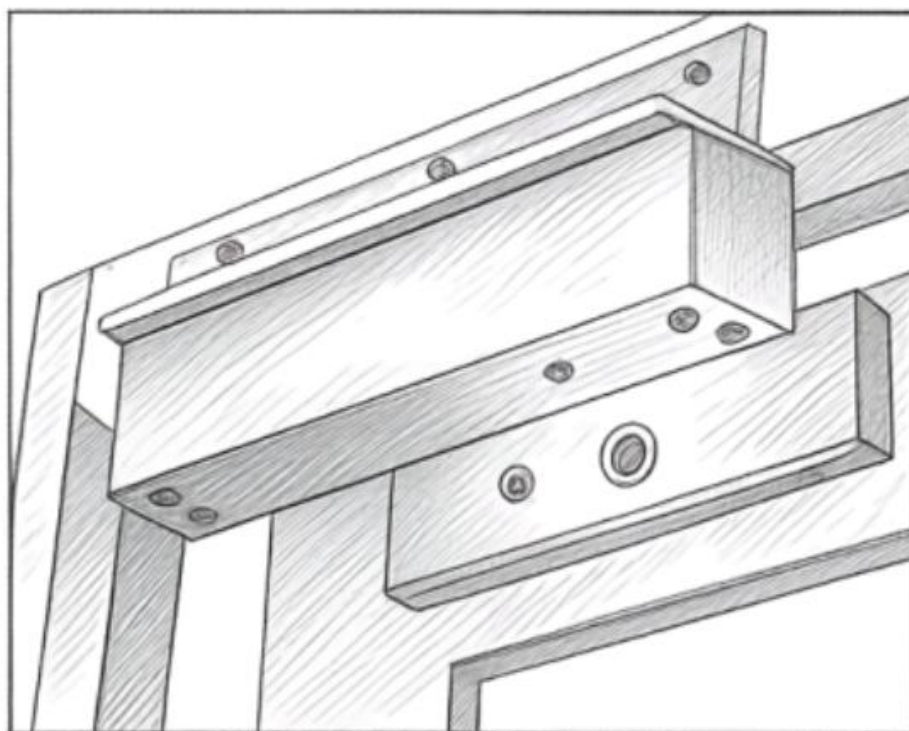


Fig.2. LS bracket installation

3. Wiring and armature alignment

PML-300 operates at DC 12V. Connect the two-wire cable from the lock to a suitable 12V power supply via an access control panel or relay.

Wire / Terminal	Function
Red (+)	DC +12V positive
Black (–)	GND / negative
COM / NO / NC (S & T)	Status signal output

Correct alignment between the lock face and the armature plate is critical for achieving the rated holding force. Misalignment can reduce holding force by up to 50%.

- The armature surface must be parallel to the lock face with a gap of 0–1 mm when the door is fully closed.
- Use the slotted mounting holes to adjust the armature position before tightening.
- The LED indicator (all models) should show solid green when locked and aligned correctly.
- Re-check alignment after 30 days of use as fixings may settle.

Maintenance

Interval	Task
Monthly	Clean the lock face and armature with a dry cloth. Check mounting screws for tightness.
Every 6 months	Inspect wiring for wear or corrosion. Verify holding force with a pull-force gauge.
Annually	Test the full access control cycle (lock, unlock, signal output). Check LED function.

4. Troubleshooting

Symptom	Possible Cause & Remedy
Lock does not engage	Check power supply voltage (must be 12V $\pm$ 5%). Verify wiring polarity. Confirm relay/controller is switching correctly.
Weak holding force	Armature not flush with lock face — realign. Dirt or debris on contact surfaces — clean. Voltage below spec — check supply.
Lock does not release	Anti-residual magnetism feature may need reset. Cut power completely for 2 seconds and restore.
LED not lit	Check power supply and wiring. On PML-300-S/T, verify signal output wiring is not short-circuited.
Noise on lock/unlock	Loose armature or bracket — re-tighten all fasteners.

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