

# Train doors operation & interaction



Credit: <https://indianexpress.com>

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# Automatic Operation

Many modern trains use automatic door systems. Sensors detect passengers approaching or leaving, and the doors open and close automatically. This enhances efficiency and minimizes the need for manual intervention.

Proximity sensors detect the presence of passengers near the doors. When someone approaches, the doors automatically open, and they close once the area is clear.

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# Manual Operation

Some train doors can be manually operated by passengers or train staff. This is often the case in emergency situations or when automated systems fail. Manual overrides ensure that doors can be operated even without power.



Credit: <https://www.india.com>



# Button/Touchpad Controls

Passengers or train staff can use buttons or touchpad controls to open or close doors. These controls are typically located near the doors and provide a user-friendly interface for managing door operations.



Credit: <https://simple.wikipedia.org>

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# Remote Control

Train conductors or operators may have remote control capabilities to open or close doors, especially during non-standard operations or emergencies.

# Emergency Doors

Metro trains often have emergency doors located at both the front and rear ends of each carriage. These doors are designed to provide additional points of egress for passengers in case of emergencies.



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