INSTALL AD-150 IN 4 SIMPLE STEPS
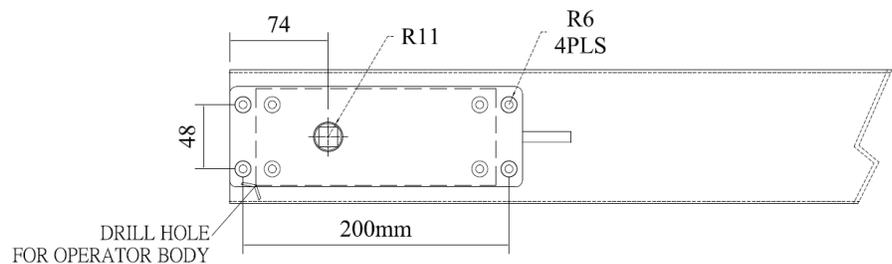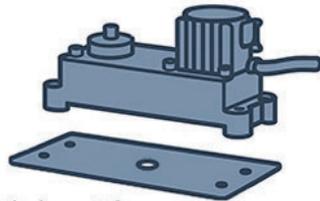
Step 1: Secure the Operator
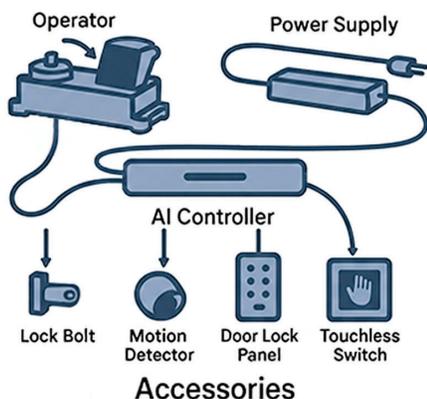

Header

Fixing Plate

74

R11

R6 4PLS

48

DRILL HOLE FOR OPERATOR BODY

200mm
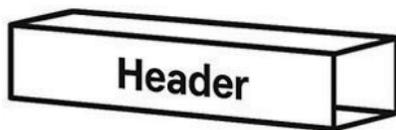
Take accurate measurements and confirm the pivot point. Fabricate the header accordingly, then securely mount the operator to the header.

Step 2: Connect Wiring

Operator

Power Supply

AI Controller

Lock Bolt

Motion Detector

Door Lock Panel

Touchless Switch

Accessories

Connect your devices to the terminal block on the controller :

1. Electric Lock: Wire the lock to Terminal 8 and Terminal 9 (Red). Note: Ensure the lock voltage matches the controller output before connecting.
2. Accessories (Touchless Switch/Motion Detector): Connect the Power wire to Terminal 9 (Red), the Common wire to Terminal 1 (Black), and the Signal/Activation wire to Terminal 2 (for LH/RHR) or Terminal 3 (for RH/LHR).

24V+
EL
PWD
SLC
WH
OG
GN
YE
GND

The signal/activation wire to Terminal 3 for RH/LHR door configuration is illustrated
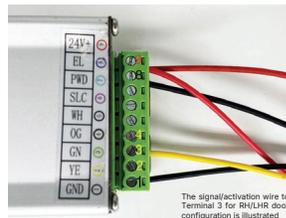
Safety Warning: Ensure all wiring is completed while the power is OFF. Once you switch the power ON, stay clear of the door as it will immediately begin its Automatic Calibration Cycle.

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Step 3: After Door Installation, Power On

Power On

AI Controller
Header
Operator
Touchless Switch
Floor Pivot
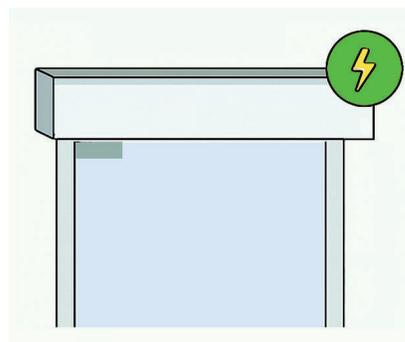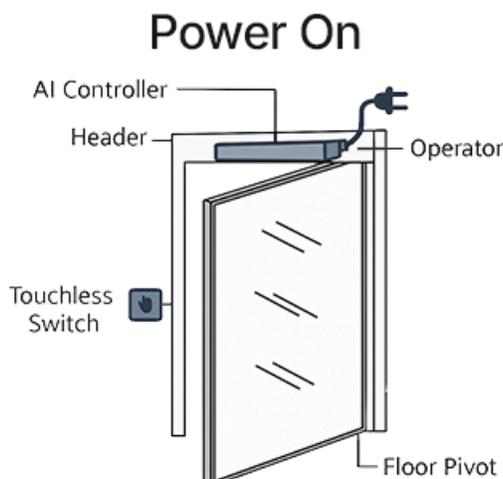
Once the door is installed, connect the power supply to activate the operator.

Step 4: Intelligent Track Calibration

Trigger

90°
90°

90°
90°
90°
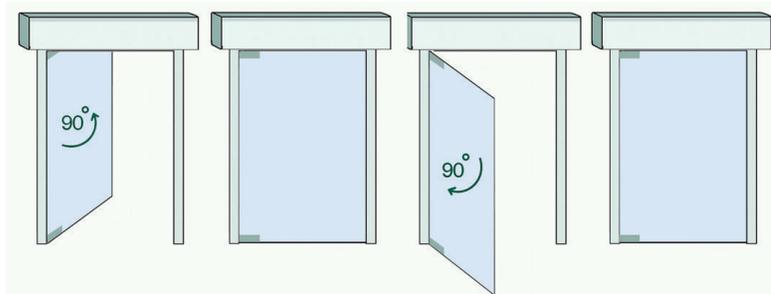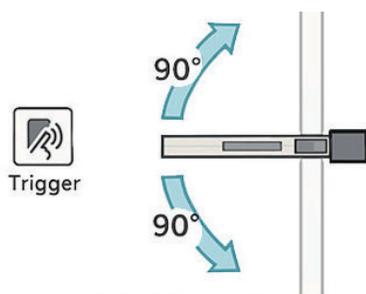
Initial Calibration: Upon applying power, the operator will automatically initiate a calibration cycle. Allow the door to complete its full range of motion (opening and closing) to set its travel limits.

Standard Operation: Once calibration is complete, activate the operator using a trigger device, such as a Wave-to-Open sensor or Motion Detector.

Note: For a one-way opening setup, a door stopper must be installed beforehand, and the door will open 90 degrees to a single side. After calibration, the door will automatically return to the center origin (closed position).

Installation Complete: Enjoy Smart Convenience

With just four simple steps, installation is complete, allowing you to enjoy the convenience of an AI-powered Auto Swing door.

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