

● Statement

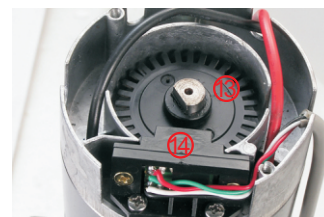
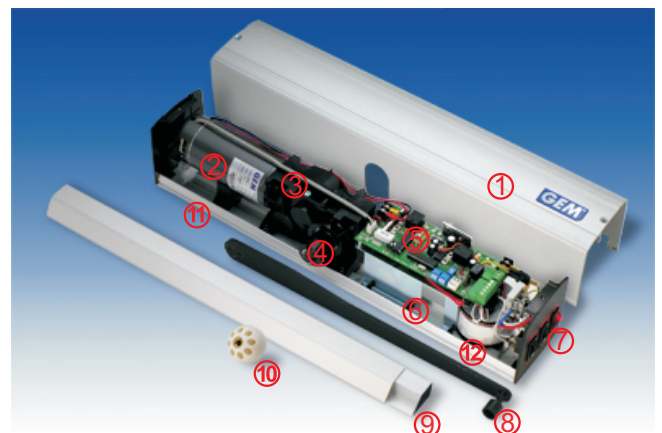
AD425S Automatic Door Operator is a reliable and quiet door opening and closing device. This product is ideal for enabling access to areas for people with disabilities or simply for convenience (for example in hospitals, nursing homes and airports etc) . It is compact and can be used in combination with other access control system to create a barrier-free environment.

● Specifications

Operating voltage	100~115 VAC(or 220~230 VAC)
Current draw	3A max., 0.6A average (Motor)
Torque	35Nm
Opening/Closing time	4.5~9.5 seconds (90°)
Maintain-Open time	1,5,10,20 seconds
Battery Specification	12V 1.2AH
Battery charge	12V=0.15A (Normal); 0.3A (Peak)
Temperature	-20°C~+55°C (Battery 5°C~40°C)
Moisture resistant grade	IP12D
Net Weight	8.5 kg
Dimensions	Operator: 526(L) x 100(W) x 96(D) Arm: 400 (unit: mm)
Wing dimensions	Door wing width : 75~120 cm Door wing weight : 30~100 kg Door wing high:Max.280cm
Motor specification	Maximum current : 4A Output : 65W Voltage : 8~24VDC Frequency: 2400 RPM

● Safety Device

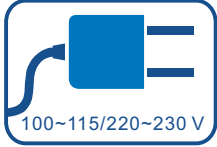
Do not push/pull the door with excessive force during proper operation. Excessive force will lead to auto shut off by control board and recovery after 10 seconds. The zinc alloy housing with heat treatment for some inner parts enhances the construction strength and durability



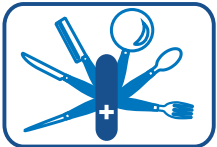
1. Cover
2. Motor
3. Reducer
4. Square Couplings
5. Control Board
6. Battery
7. Power Switch
8. Operating Arm
9. Sliding Rail
10. Stopper Ball
11. Baseplate
12. Transformer
13. Encoder
14. Photocell

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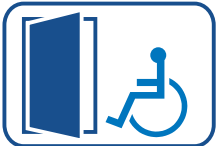
● Features



Selectable dual voltage
The AD425S operates on either 100~115 or 220~230 VAC mains power such that it can be used almost anywhere in the world.



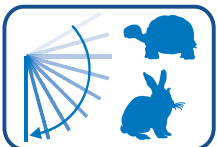
All in one
The AD425S has interfaces for up to six optional devices such as electromagnet locks, press to open buttons, microwave sensors, card readers and other accessories.



Maintain-Open time
The door can be adjusted to open for a maximum of 20 seconds. This is suitable for both disabled and wheelchair users.



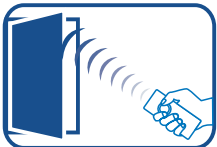
Quiet and Reliable
AD425S is quiet and reliable when operating.



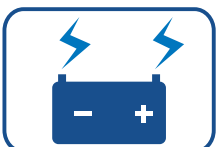
Selectable operating speeds
Four selectable operating speeds settings and two levels of torque output can be chosen based on the width and weight of the door.



Push & Go option
AD425S includes a switch to select between auto and manual mode. In manual mode, applying force to the door will activate the opening.



Remote controls
Can be used in conjunction with wireless remote controls.



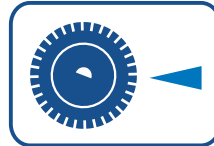
Backup battery
In case of power failure, a backup battery can maintain normal opening and closing operations up to 250 times.



Applicable for all doors
AD425S can be mounted to open outwards or inwards and fits either left or right swinging doors.



Safety device
AD425S incorporates a safety device. When an obstruction is detected the door will be returned to its previous open or closed position to prevent accidents.



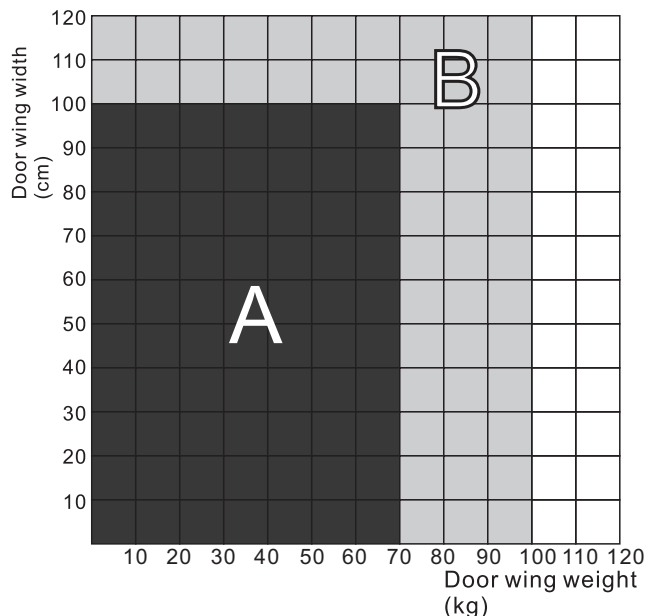
High accuracy
A built-in Photocell and encoder are used to control the action of the operating arm. Desired opening angle and appropriate braking distances can be accurately managed.



Wide Range
It is suitable for doors with width between 75 ~ 120 cm and weight between 50 ~ 100 kg.

※ See Figure Wing dimensions

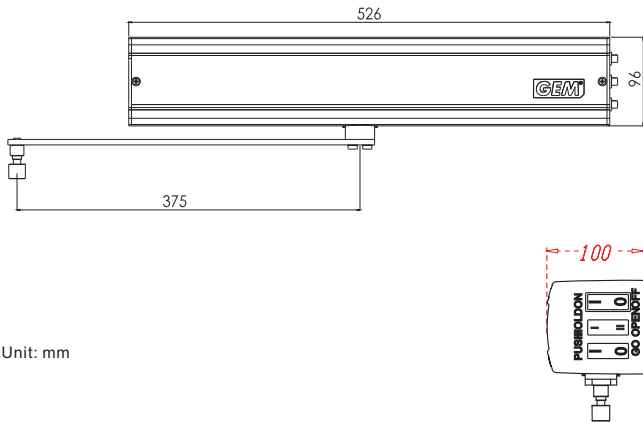
● Wing dimensions



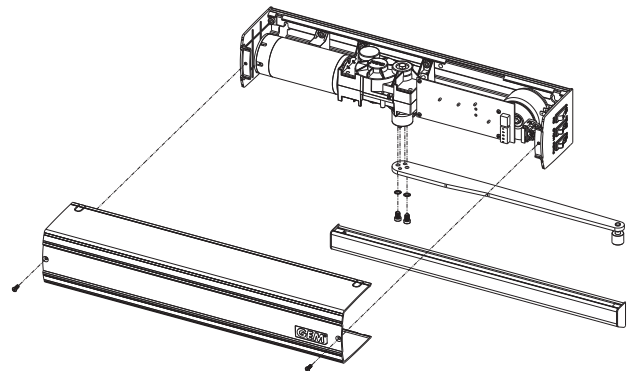
Door wing width (cm)
Door wing weight (kg)
Service Class A: average of up to 600 cycles per day
Service Class B: average of up to 200 cycles per day

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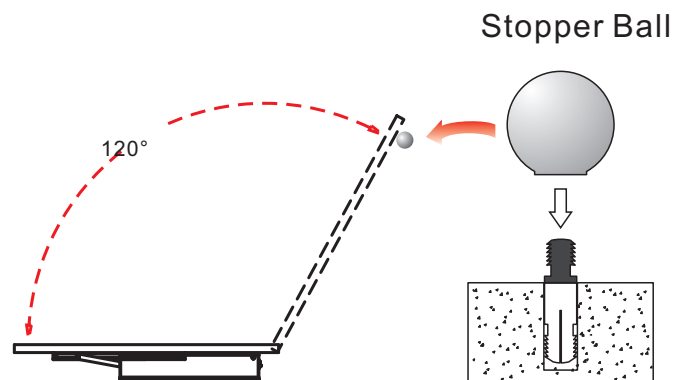
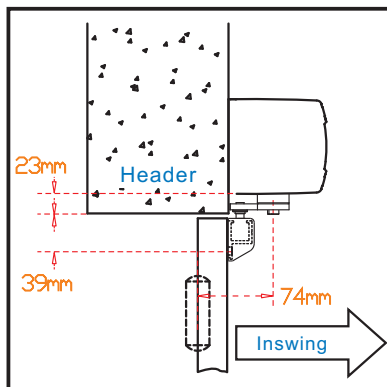
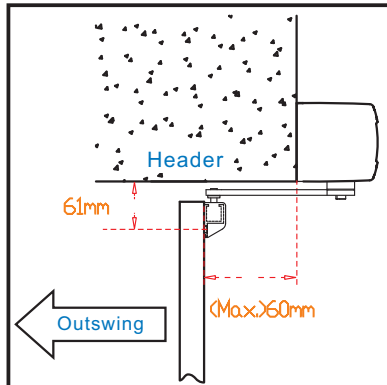
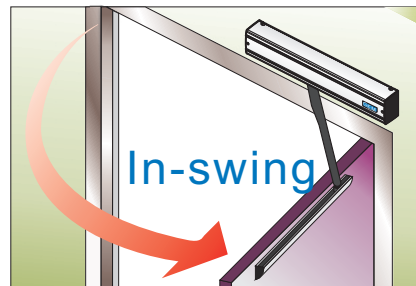
● Dimension



Unit: mm



Install AD425S on an out-swing door, make sure that the distance between the header and leaf is not more than 60mm, and the space between the header and Sliding Rail mounting hole must be 61mm, on an in-swing door, make sure that the distance between Square Couplings and hinge is not more than 74mm, the space between header and the bottom of AD425S must be 23mm, and the space between header and Sliding Rail mounting hole must be 39mm.



Depending on the door leaf opening

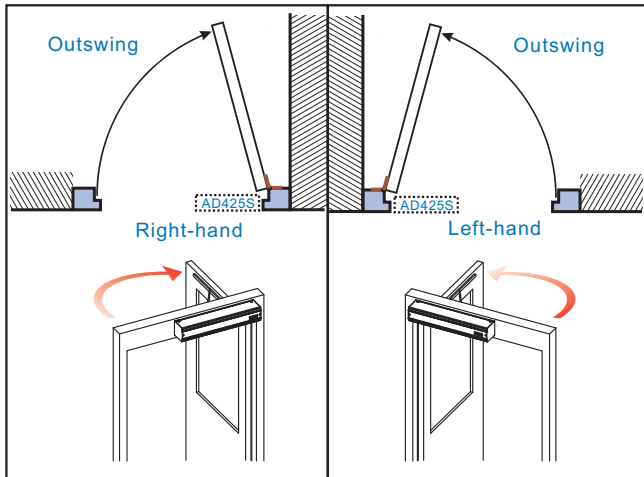
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● Application

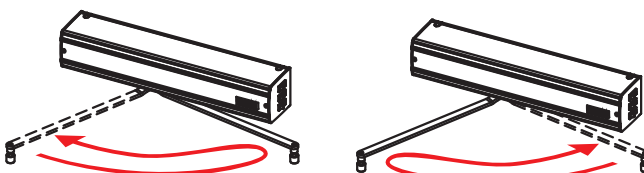
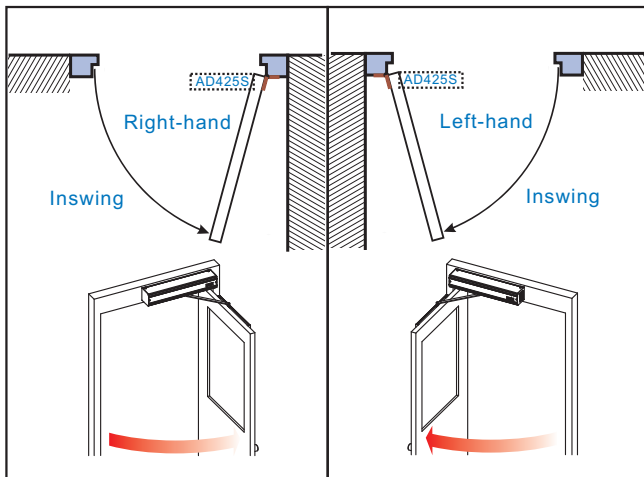
To mount the AD425S depends on the direction way of the doors, outswing, inswing, right- open and left-hand doors by adjusting the F/R switch and the direction of the Operating Arm. For the safety reason, AD425S must be installed indoor.

Opening angle: 90 degree
 Beginning
 Destination
 Brake for wall blanking function.
 VM action time is the opening and closing time.
 TC Maintain time of 1-20 seconds.

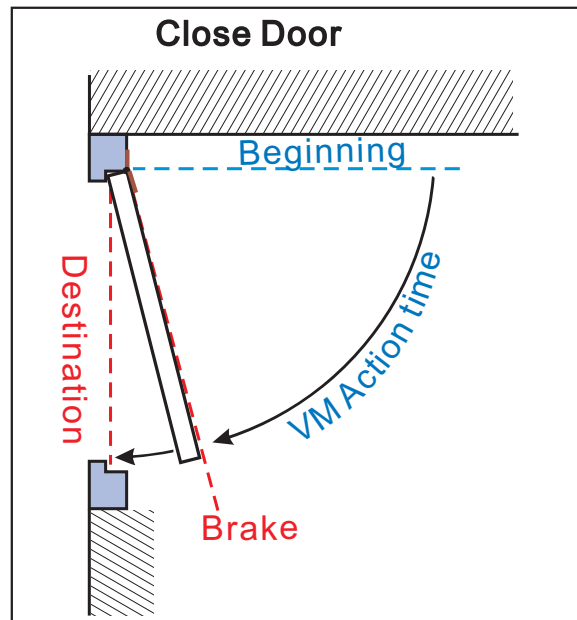
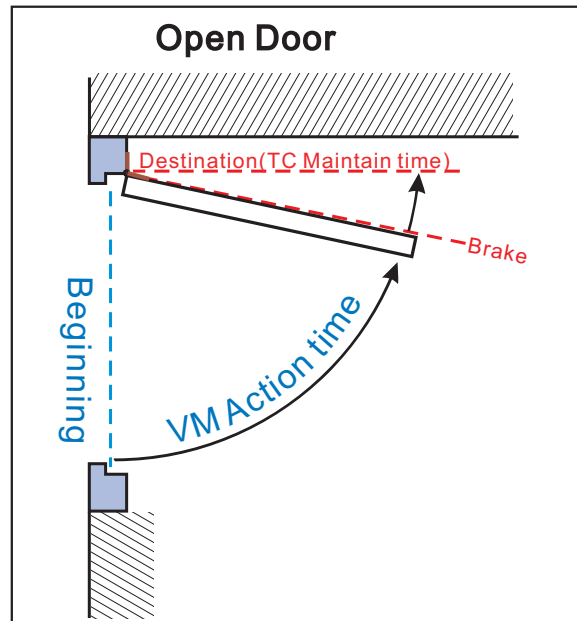
Outswing door



Inswing door



Operating Arm turns clockwise or counter-clockwise.



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