Automatic Swing Doors

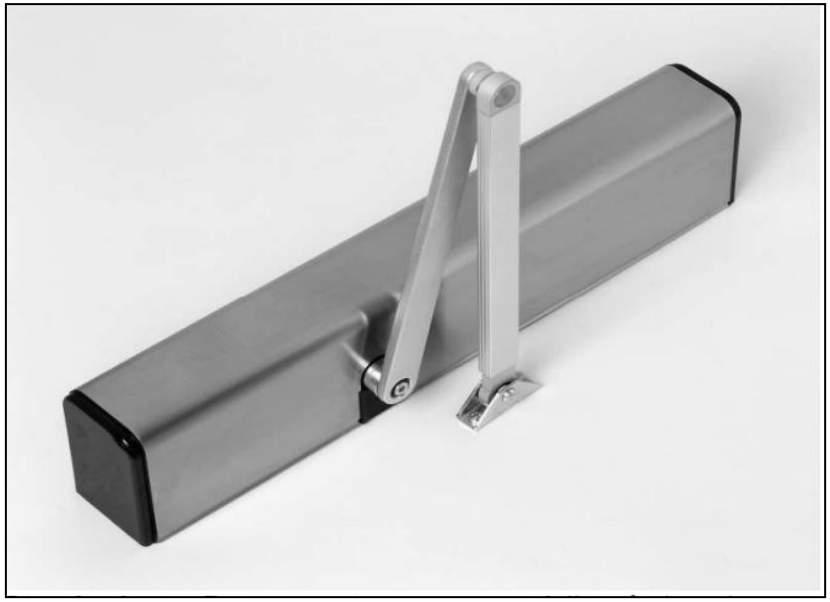
DPT

KBB

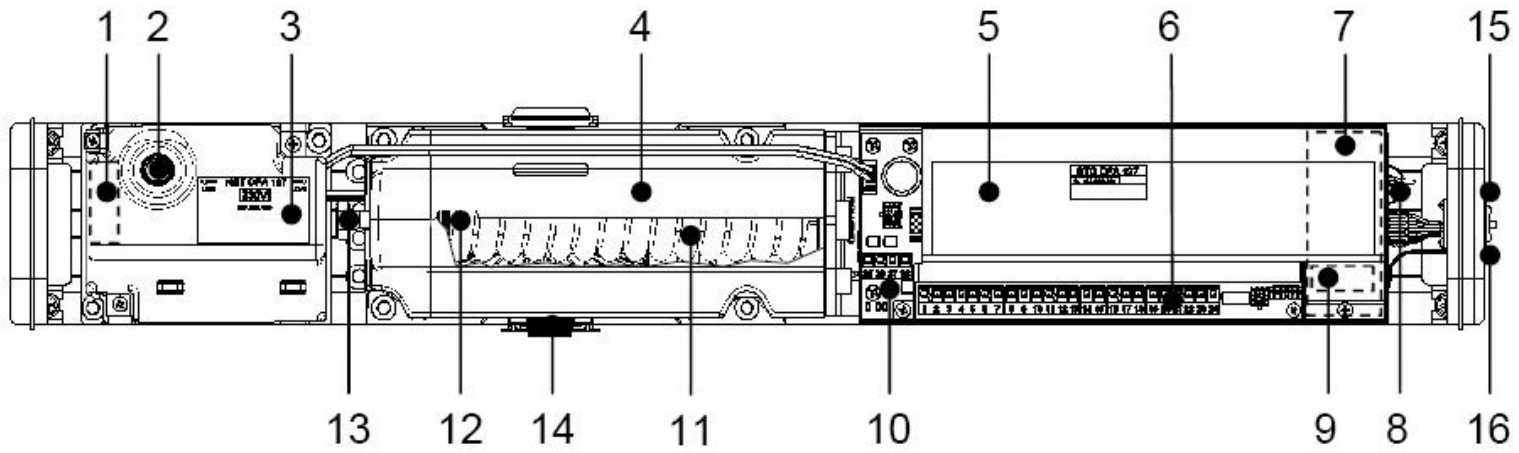
- Intelligent
- Humanization
- Security

General introduction

KP1000 is a Brand-new swing door operator which launched by KBB Group in 2014 ,it's briefly in design and self-monitoring, also possesses kinds of multiple and additional functions, which could easily meet the requirements of the obstacle free passageway and fire protection design from the modern buildings, and widely used in many places such as office, meeting room, medical treatment room, workshop etc.



Structure



1.Connecting bus of terminal device
2.Fuse protector
3.Power Supply
4.Reduction drive
5.Control Unit
6.Connecting interface
7.Encoder
8.Drive Unit
9. Slide switch S1 (Rotation Direction)
10. Multi-function switch
11. Enclosing spring
12.Display panel, adjust the tension of spring
13.Adjustment screw of spring tension
14.Connector of the arm link (double-side)
15.Standard switch
16. Status signal and reset button

Operation mode

- Manual

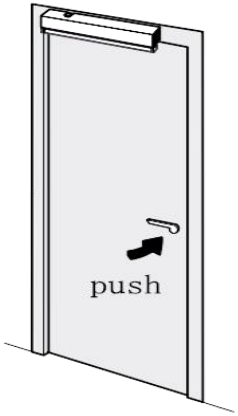
Operator shall function as a manual door closer in the direction of swing with or without electric power.

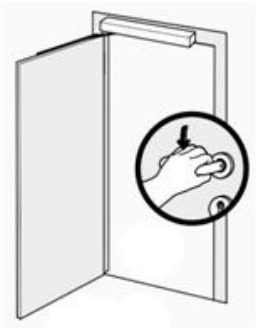
- Automatic

KP1000 will works automatically with the help of radar or other ACS .

- Push and go

We can push the door leaf with only little force, then the door will open automatically .





Operation mode

- Connected with Access Control System :

Our operator could connect with many types of ACS, such as push button, card reader system, fingerprint identification system etc.

- PSA Program Selector（Option）

KBB patented technology, which put door control, parameters setting, malfunction display in one .

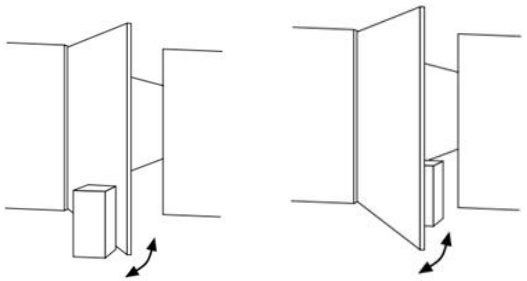
Security features

A. Reverse Kinetic energy.

KP1000 possesses the Reverse Kinetic energy ,the door could be open as power failure, it functions as manual swing door.
Door can be closed at ease and opened with energy stored in spring, movement damper from motor works as generator.

B. Collision detection.

When something blocks the door's openning, the door stops immediately. Drive system tries to get to open position during buffering period. When buffering period finish, door closes. When door opens next time, it moves slowly until previous block position to avoid collision.



C. Reopen as block.

Door reopens when it is blocked in closing process.