

## LS-90 automatic sliding door operator

**MCVIK**  
THE PERFECT AUTOMATION



### 1. Standard Part List

<i>Name of Commodity &amp; Description</i>	<i>Photo</i>
<p><b>Controller</b> 8-bit high performance microprocessor digital controller, can digitally display the door status(14 functions), such as speed, hold-on time. Users also can adjust these digital data by pressing the small button on the controller, easy to use.</p>	
<p><b>Motor</b> Brushless DC24V motor, using worm, worm gear transmission to decelerate. Average power 55W.</p>	
<p><b>Idler pulley</b> You can use it to strain the belt.</p>	
<p><b>Support beam</b> Made of aluminum alloy, 4200mm long, or 2100 mm x 2 long. Also as a track rail.</p>	

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## **Hangers (4PCS)**

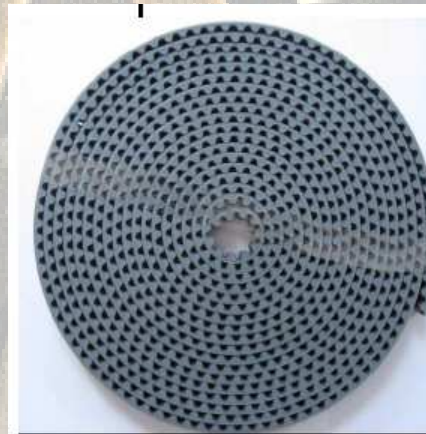
*Made of steel with plastic rollers. Door leaf can be hung on it, you can hang door leaf on it and adjust the height of door leaf.*



## **Belt clip**



## **Belt 7000mm long**



## **Power switch**



## **Stopper**



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## 2. Other optional Part



MF-24



MF-24



MD-24/MD-10



MD-24/MD-10



MA-24



Old type



Battery backup



YK-4  
Wireless remote control



YK-6  
Wireless remote control



Five-key  
Program switch



Push button



MJ-01 Card reader



Card reader



ATM Card reader



Hand switch



Old type  
remote control receiver



Foot switch



Safety beam sensor



Aluminum  
alloy glass clamp



Handle for  
hermetic door



Belt



220V/110V  
Transformer

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## 3. Features

*LS-90 can be adapted to a wide range of different door and customer requirements.*

### **Easy installation**

*With all units completely assembled in the support beam it is just as easy to install as*

*a replacement as for new installations. During the installation the operator is programmed to comply with the customers specific requirements.*

### **Safety**

*Automatic safety auto reverse when an obstacle is encountered in closing direction.*

*The safety can be further improved by using safety beam sensors. People or objects in the doorway are detected and the door is then prevented from closing until it is safe to do so.*

### **Emergency**

*The LS-90 can automatically opens or closes the doors (using battery pack up) – in the event of a power failure. The LS-90 can also be interfaced with fire alarms.*

### **Self-monitoring**

*The microprocessor has an integral self-monitoring device which detects any interference or faulty signals in door operation and takes necessary measures to ensure a safe operation.*

## 4. Technical specifications

*1 leaf, single-slide    2 leaves, bi-parting*

- *Power supply: 100 V AC to 246 V AC, 50/60 Hz*
- *Motor: Brushless DC24V motor, 55W*
- *Recommended max. door weight:*  
*120 kg                      120 kg × 2*
- *Door width:*  
*700 – 1300 mm            600 – 1250 mm*
- *Opening speed: 150 – 500 mm /s 150–450 mm /s*  
*Closing speed: 100 – 450 mm /s 100 – 430 mm /s*
- *Hold open time: 0 – 9 s*
- *Ambient temperature: -20° C to 50° C*

