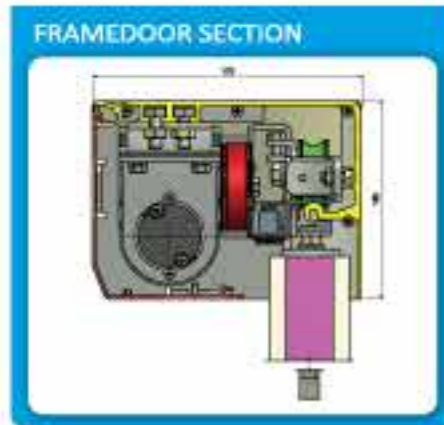


◆ APPLICATION AND REFERENCE



# AUTOMATIC SLIDING DOOR OPERATOR

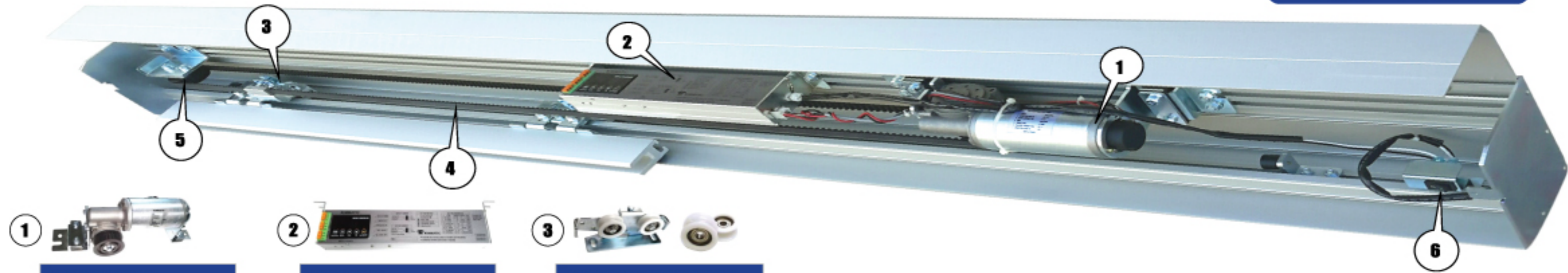


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# Automatic Sliding Door Operator

KM-1001



**MOTOR & ENCODER**  
 Model :RM63X9024  
 Rated Voltage : DC 24V / 90W  
 Rated Current : 5.1 A  
 Rpm : 3300  
 Torque : 27 Ncm  
 Starting Current : 34.1 A  
 Reduction ratio : 10:1  
 Encoder :CPR 12 CH2 Magnetic type  
 DC Motor with worm gear  
 Built in electric locking system  
**DUNKER TYPE**



**CONTROLLER:**  
 Micro-processing type, Switch mode power supply (SMPS), Obstacle detection, Self-circuit protection, Built in transformer, Self learning programming, Digital screen monitor, Easy adjustment for closing and opening speed.



**HANGER ROLLER DOUBLE WHEEL**  
 Detailed adjustable door mounting. Smooth and silent operation by high density and high elasticity roller. Two wheel type that can carry maximum 120kg for double door and 150kg for single door, bearing made by Korean technology mostly used in automobile industry.



**TIMING BELT:**  
 Brand: Kimmatic STS SBM,  
 Stable power train.



**IDLE PULLEY:**  
 Made in high durability elasticity gear type, adjust tension easily.



**MAIN SWITCH:**  
 On and Off, Easy to access.

## ACCESSORIES

### DOOR FUNCTION SWITCH:

Operating mode: Automatic, Keep open, One way, Keep closed, 70% open  
 Knob switches are supplied with an brushed aluminum or plastic faceplate, Zinc alloy die cast housing and cylinder, Bright nickel plated standard, Knob may be withdraw in each position, High reliability, Less occupied space, Easy installation and maintenance



### COMBINED RADAR ACTIVATION AND INFRARED SAFETY SENSOR:

Combined radar activation and Infrared safety sensor is used for automatic sliding door, folding door and Curve door. Radar technology is for door activation. Infrared technology is for door safety entrance.  
 Have function of background self-learn. Can learn background automatically when power on. Microwave technology adopts the Germany microwave sensor module.



### MICROWAVE SENSOR (EAGLE EYE):

Self-monitored radar for redundant automatic doors, it complies with all the standards applicable to electronic solutions designed for emergency exits. Unidirectional, it detects the movement of approaching objects and filters out the movement of objects moving away. This consequently reduces the opening cycle of sliding doors, which will close earlier and decrease the building energy consumption and carbon print.



### PHOTO BEAM SAFETY SENSOR (SINGLE BEAM)

Adopt microcomputer control technology, high integration with high stability. Intermediate optical lens design with good focus quality, controlled angle is rational, easy to installed. Far transmit distance with strong anti-interference ability. Adopting and receiving filter, decoding, amplification, system of German technology. Effective solution to anti-interference of natural daylight. Exclusive electric eye adopts low-power consumption design with far transmit distance. Emission contact and receive contact output separately with shielding line. 12-24V AC-DC Power Input

## CHARACTERISTICS

- **Reliable functionality and convenience, parts and accessories easy to change because of the profile rail designed. High efficiency and running smoothly between rail and roller.**
- **Safety and easy to open manually by hand once power failure and if something bump it will automatically open.**
- **Newly developed and self learning programmed, Front setting panel of controller equipped with initiative UI & key pad to help the user to adjust opening and closing speed easily.**
- **Digital display equipped with self diagnosis system helps to maintain system from error. Easily to identify the cause of breakdown because of the status and error code indicates in the LCD of the controller.**
- **SMPS way controller without power transformer, self circuit protected controller**
- **Direct attachment type, simple installation and affordable price at high cost-effectiveness by Korean technology.**
- **Communication port available with serial communication supporting remote control and monitoring through network. Compatible to emergency control system**

SPECIFICATION	SINGLE DOOR	DOUBLE DOOR
MODEL	KM1001S	KM1001D
Door weight	150Kg (max)	120Kg x 2 (max)
Door width	650 ~ 1,500mm	650 ~ 1,200mm x 2
Opening/closing speed	MAX 600mm/Sec (adjustable)	
Waiting time at opening	0 ~ 60 Sec	
Electric power	AC 220V , 50~60Hz	
Electric consumption	Waiting: 3.5W -1, driving: max 90W- 2	
Motor./Engine	90W/100W DC MOTOR (worm gear)	
Control system	Micro processor PWM control	
communication(option)	RS-232C, RS-485	
Driving	TIMING-BELT DRIVE	
Ambient temperature.	-20°C ~ +50°C	