



ZK-SHD-190L

Smart Automatic Side Door Opener

Introduction:

The ZK-SHD-190L is a side-mounted automatic swing door opener designed for hands-free entry in both indoor and semi-outdoor environments. With a motorized opening and closing mechanism, it ensures effortless accessibility while supporting doors between 680mm and 1500mm wide and weighing up to 260kg. Its windproof functionality and IPX4-rated ingress protection make it suitable for sheltered outdoor areas, providing reliable performance even in harsh environments.

ZK-SHD-190L features an adjustable opening and closing speed (1.5 to 6 seconds) and a hold-open time (1 to 99 seconds) for maximum flexibility. Its low-noise operation ($\leq 45\text{dB}$) ensures a quiet and comfortable user experience. The encoder-based stroke control guarantees precise and safe door movement, with built-in obstacle detection to prevent accidents.

For enhanced convenience, the ZK-SHD-190L supports smart connectivity via the ZKEasyGo mobile app (coming soon) and remote control, allowing users to remotely control and monitor door operations. It operates on a wide power supply range (95-260V AC, 47-63Hz) and includes auxiliary power outputs (24V DC, 700mA) for additional accessories. Designed for durability, it has a lifespan of 1 million cycles (MCFB) and meets CE and FCC certification standards (coming soon), making it a reliable and future-ready solution for commercial and residential applications.

Key Features

- Energy-Efficient Design**
Ultra-low static power consumption ($< 2\text{W}$) and maximum operating power of 60W, ensuring reduced energy costs without compromising performance.
- High-Performance Motorized Operation**
Equipped with advanced motor technology to deliver precise, smooth, and reliable door movements. Built-in protections against overcurrent, overload, and short circuits for enhanced durability.
- Smart Safety Features**
Intelligent resistance system to detect obstructions and reverse door movement for user safety. Anti-collision correction ensures safe operation in high-traffic environments.

- **Quiet and Smooth Operation**

Operates at noise levels $\leq 45\text{dB}$, providing a discreet and comfortable user experience, even in quiet environments like hospitals or offices.

- **Wide Compatibility**

Supports door widths ranging from 680mm to 1500mm, with a maximum door weight capacity of 260kg, making it suitable for a variety of door types and sizes.

- **Windproof and Weather-Resistant Design**

The ZK-SHD-190L built-in windproof functionality and IPX4-rated ingress protection for sheltered outdoor and indoor use.

- **Hygiene Focused and Hands-Free**

Designed to minimize physical contact, promoting better hygiene in environments like healthcare facilities, clean rooms, and offices.

- **Smart Connectivity**

Compatible with the ZKEasyGo mobile app for remote control and monitoring, allowing for flexible and convenient operation. (Coming Soon)

Specifications

Model	ZK-SHD-190L
Description	Automatic for swing doors
Opening	Motorized opening and closing
Product Dimensions(L*W*H)	360*80*133 mm
Product Weight	8.3 kg (Net); 9.5 kg (Gross)
Max. Capacity	260kg
Application Door Width	680mm to 1500mm
MCBF	1 M cycles
Stroke Control	Encoder
Power Supply	95 to 260V AC ; 47 to 63Hz
Power Consumption	45W, Max 60 W
Auxiliary Power	24V DC, 700 mA
Electro-mechanical Locking	24VDC max. 60mA / 12VDC max. 1200mA
Door Wing Opening Angle	115°
Opening Time	1.5 – 6 s (adjustable)
Closing Time	1.5 – 6 s (adjustable)
Hold Open Time	1 – 99 s (adjustable)
Noise	$\leq 45\text{dB}$
Software	ZKEasyGo (Mobile App) (Coming Soon)
Operating Temperature	-25°C to 60°C
Operating Humidity	Within 95% (non-condensing)
Protection Rating	IPX4
Certifications	CE / FCC (coming soon)

Application Environment	Semi-Outdoor
Accessories	User Manual, Rainproof Power Supply, Fixed Plate, Remote Control Unit, Screw

Dimensions(mm)

