Olideauto DSW120

Olideauto DSW120 Automatic Swing Door Opener Instruction Manual

Model: DSW120 | Brand: Olideauto

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Olideauto DSW120 Automatic Swing Door Opener. Please read this manual thoroughly before installation and use to ensure proper function and safety. This system is designed for assisted accessibility in both residential and commercial buildings, offering automatic and manual operation.

2. SAFETY INFORMATION

Always prioritize safety during installation and operation. Ensure all power is disconnected before performing any maintenance or installation steps. The system features automatic re-opening if an object is detected in the closing path, enhancing user safety. For active protection, consider purchasing an optional safety motion sensor (ASIN: B07BGV6QRX) to prevent door closure when someone is within range.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Olideauto DSW120 Swing Door Opener Unit
- 2 x Wireless Handicap Push Buttons
- Handheld Programmer
- Power Cable
- Mounting Hardware (screws, spacers, Allen wrenches)
- Push Arm and Pull Arm (for inswing and outswing applications)
- Wireless Receive Controller (Model: Olide-510F)

Image: The complete Olideauto DSW120 Swing Door Opener kit, including the main unit, two wireless handicap push buttons, and various accessories.

4. SETUP AND INSTALLATION

The DSW120 is designed for easy installation. It supports both inswing and outswing door configurations. Ensure the mounting surface is stable and capable of supporting the unit's weight.

4.1 Unboxing and Component Overview

Familiarize yourself with the components inside the box. The main unit consists of a motor, gearbox, and controller. The package includes both push and pull arms to accommodate different door opening directions.

Easy Program&Debug Automatic Door Opener Via Handheld Programmer

1. Opening or closing speeds

2. Manually open force (push go function)

3. Opening direction

4. Hold-on open

5. Lock modes are optional, power on lock and power off lock is adjustable

Display screen

MOD

Increase

Decrease

Test

Function selection

Image: Internal view of the Olideauto DSW120 unit showing the motor, gearbox, and controller, alongside the handheld programmer for easy parameter setting.

4.2 Mounting the Main Unit

The main unit should be mounted securely above the door frame. The mounting plate is the first component to install. Mark the top edge of the mounting plate to ensure correct orientation. Ensure the unit is level for proper operation.
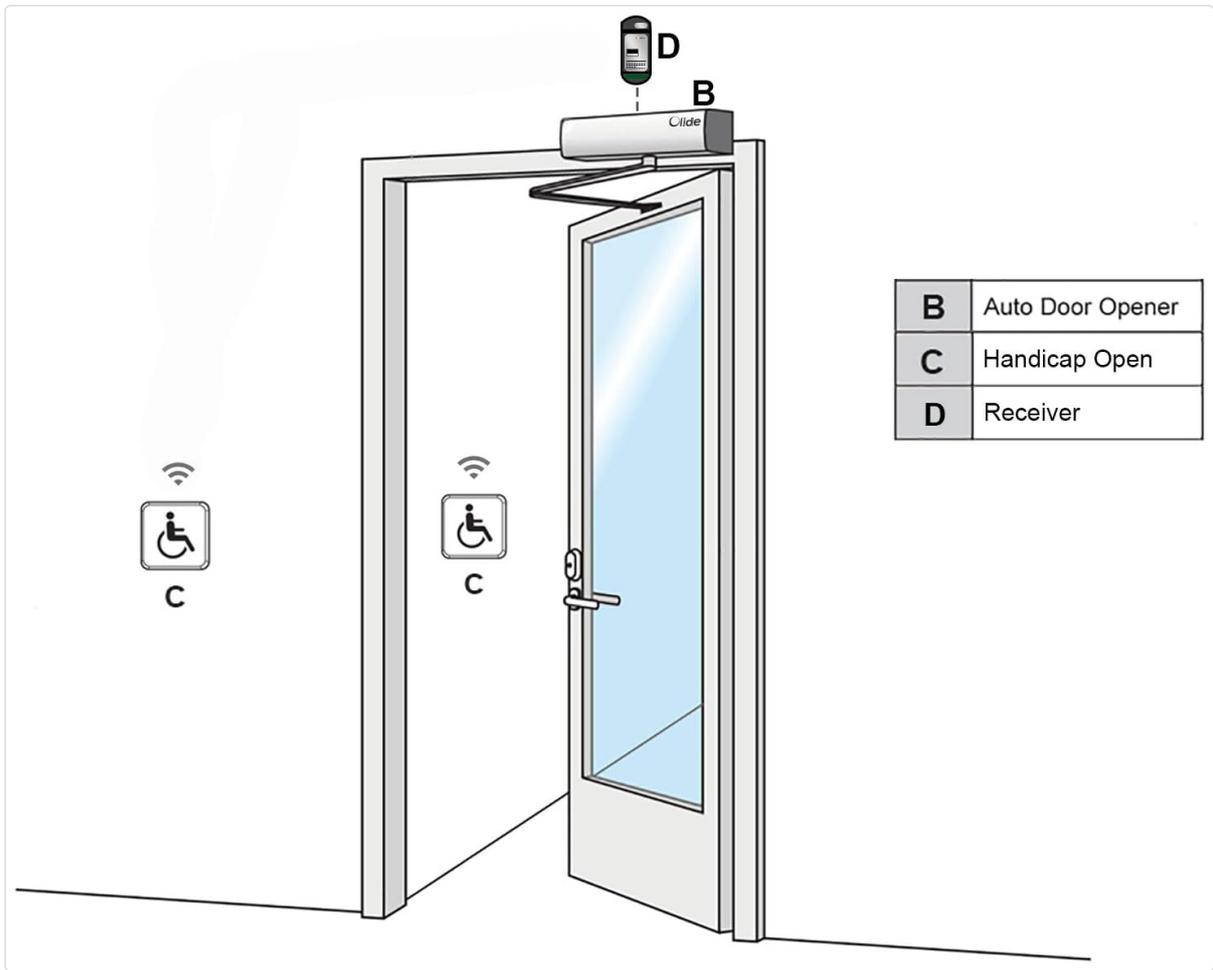
B	Auto Door Opener
C	Handicap Open
D	Receiver

Image: A diagram illustrating the mounting positions of the automatic door opener (B), handicap push buttons (C), and receiver (D) on a door frame.

4.3 Arm Installation (Push Arm vs. Pull Arm)

Select the appropriate arm (push or pull) based on your door's opening direction. The push arm is used when the door opens away from the operator, and the pull arm is used when the door opens towards the operator. Ensure the arm is installed at a 90-degree angle to the door when fully closed for optimal performance. Refer to the manual's diagrams for precise measurements.
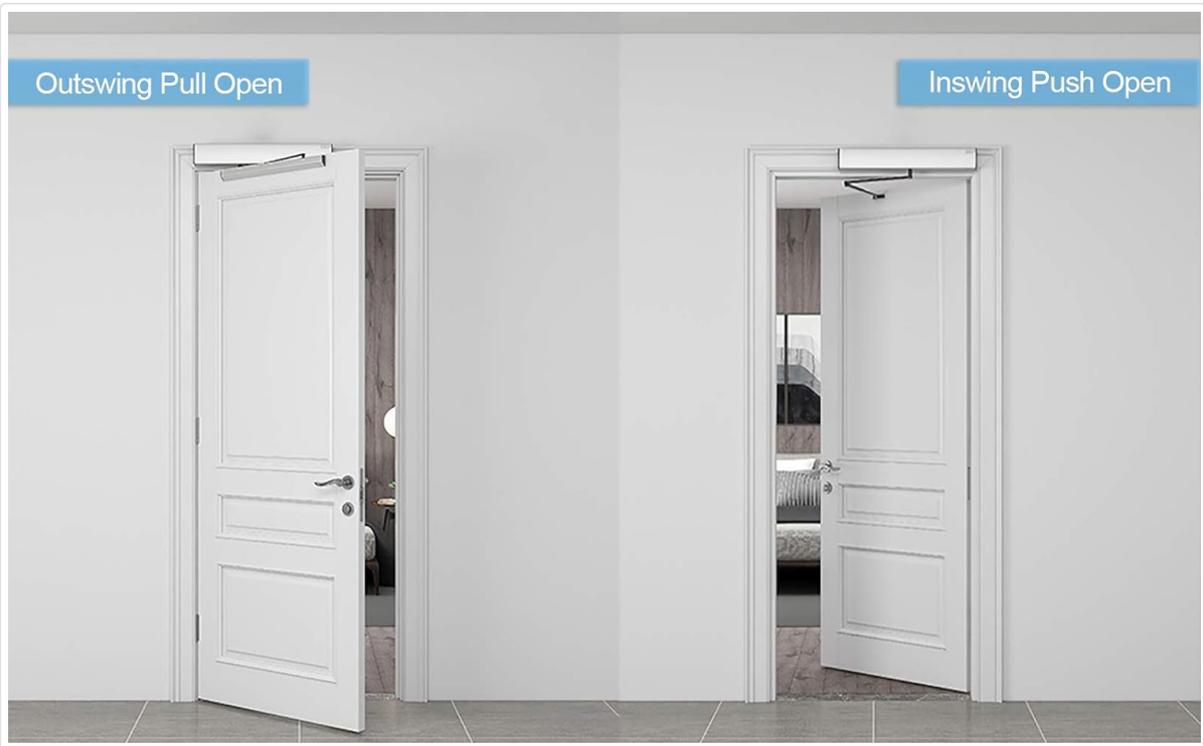
Image: Visual representation of an outswing door (pull open) and an inswing door (push open) to guide arm selection.

4.4 Electrical Connections

The DSW120 operates with a wide voltage range of AC100V to AC240V. Connect the AC power to the designated terminals on the unit. It is recommended to connect a ground wire. For push buttons, use solid core 18-gauge wire for reliable connections. The wireless receiver connects to the main unit to enable communication with the push buttons.
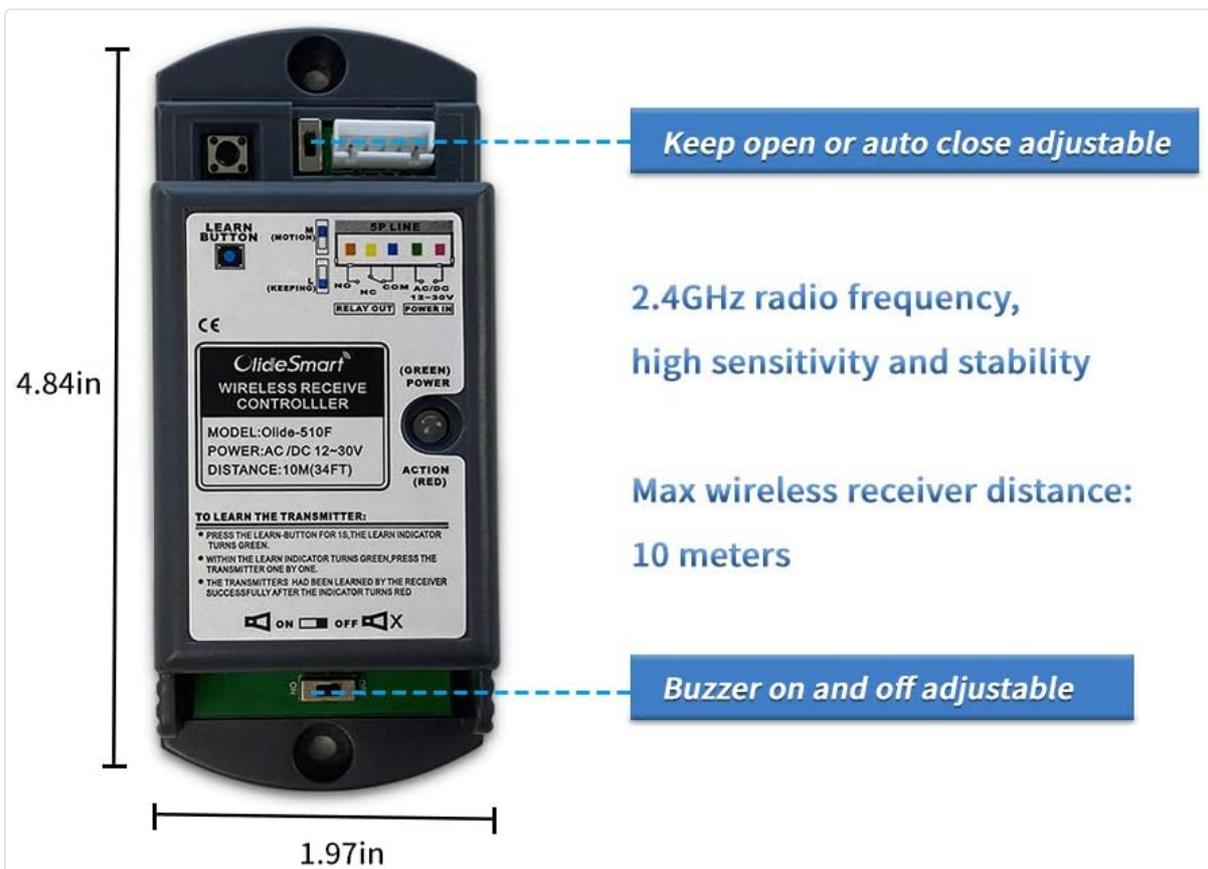

Image: Detailed view of the Olide-510F Wireless Receive Controller, highlighting its 2.4GHz radio frequency, high sensitivity, stability, and maximum wireless receiver distance of 10 meters.

4.5 Wireless Handicap Push Buttons

The kit includes two wireless square handicap push buttons. These buttons utilize 2.4G wireless communication technology for stable and consistent performance. They can be configured for both wireless and wired modes.

Image: Close-up of the square 4.5-inch stainless steel handicap push switch, detailing its 2.4G wireless communication technology and four-point trigger design.

4.6 Installation Video

Your browser does not support the video tag.

Video: This video provides a comprehensive guide to the installation of the Olideauto Low Energy ADA Electric Swing Door Operators, demonstrating the steps involved in setting up the system.

5. OPERATING INSTRUCTIONS

The DSW120 can be operated via the wireless push buttons or programmed using the handheld programmer.

5.1 Handheld Programmer

All parameters of the automatic swing door can be easily set via the handheld programmer. This includes opening/closing speeds, manually open force, opening direction, hold-on open time, and lock modes.

Easy Program&Debug Automatic Door Opener Via Handheld Programmer

❶ Opening or closing speeds

❷ Manually open force
(push go function)

❸ Opening direction

❹ Hold-on open

❺ Lock modes are optional,
power on lock and power off
lock is adjustable

Image: The handheld programmer displaying various settings for the automatic door opener, allowing adjustment of opening/closing speeds, manual open force, opening direction, hold-on open time, and lock modes.

5.2 Remote Control Encoding

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Video: This video demonstrates the process of encoding the wireless remote control with the Olideauto DSW120 automatic door opener, ensuring proper synchronization for remote operation.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your DSW120 unit. Keep the unit clean and free from obstructions. Periodically check all mounting screws and connections for tightness. Ensure the door moves freely without excessive friction. If using wireless push buttons outdoors, ensure they are protected from rain to prevent battery failure.

7. TROUBLESHOOTING

- **Door not opening/closing:** Check power connections, ensure push buttons are properly paired, and verify all settings with the handheld programmer.
- **Door re-opens unexpectedly:** Check for obstructions in the door path. If an optional safety motion sensor is installed, ensure it is clean and correctly calibrated.
- **Wireless push buttons not responding:** Check battery levels in the push buttons. Ensure the

wireless receiver is properly connected and within range (max 10 meters).

- **Door movement is too fast/slow:** Adjust the opening and closing speeds using the handheld programmer.

8. SPECIFICATIONS

| Feature	Detail
Installation Type	Screw-In
Recommended Uses	Assisted accessibility in residential and commercial buildings, easy manual opening for general use
UPC	763891906041
Manufacturer	Chinentech Industrial Limited
Part Number	de-door-16h-61
Item Weight	23.1 pounds
Product Dimensions	21.45 x 3.35 x 3.74 inches
Maximum Weight Capacity	264 Pounds
Batteries Required?	No
Material	Alloy Steel, Metal
Color	Rose Metal
Exterior Finish	Rose Metal
Swing Application	One-way inswing or outswing open, single leaf and double leaf standard doors
Voltage	110-220 VAC +/-10%
Motor	DC 24V brushless motor
Power Consumption	50W
Opening Time	3-7 sec. @ 90 degrees
Hold Open Time	1-30 sec. Adjustable
Max. Door Frame Depth	200mm / 7.87" (with push arm)
Door Width	Max. 1200mm / 47.2" Min. 660mm / 26"
Max. Opening Angle	120 degrees
Environment Temperature	-20C to 50C (-4F to 122F)
Operation Noise	Less than 55db
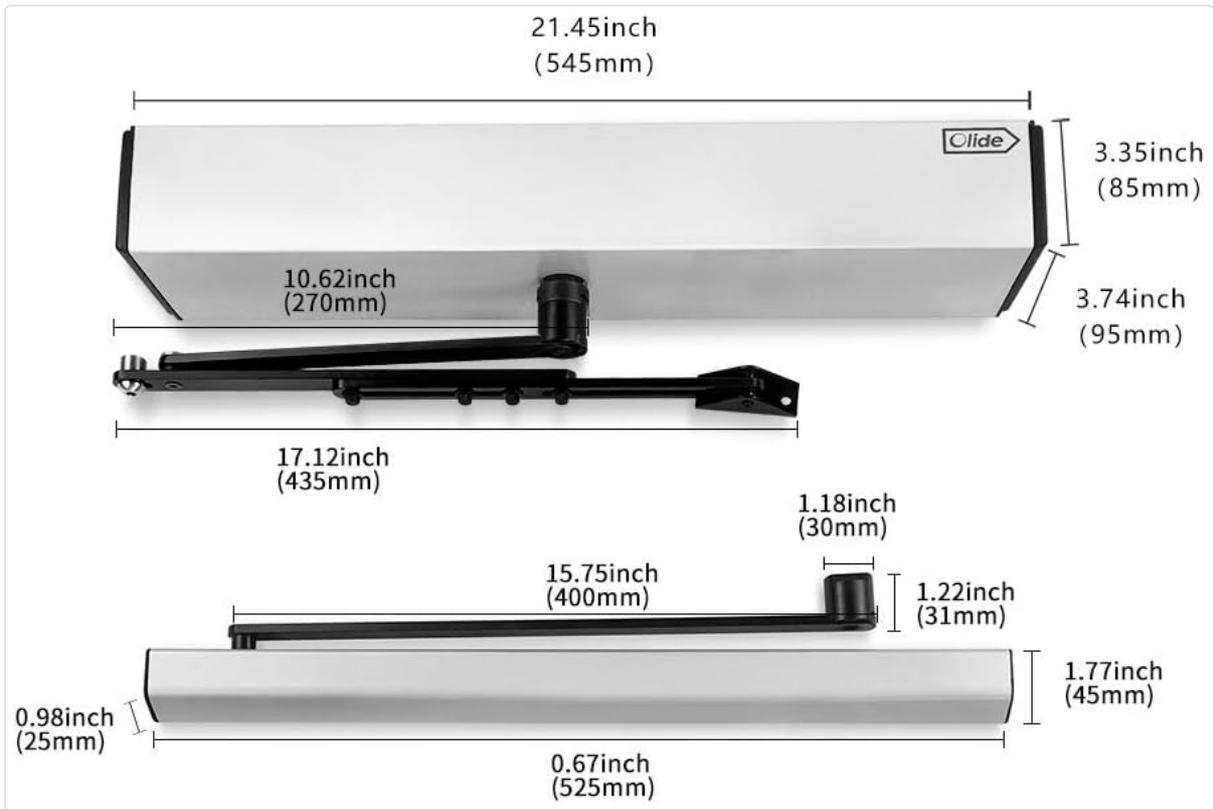
Image: Detailed dimensions of the Olideauto DSW120 Swing Door Opener unit and its arm components.

9. WARRANTY AND SUPPORT

Olideauto offers a 60-month product warranty. USA Technical Phone Support is available for assistance with installation and debugging. For any issues, please contact customer support.