

Olideauto DSW120

Olideauto Residential Swing Door Closer DSW120 Instruction Manual

Model: DSW120

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Olideauto Residential Swing Door Closer, Model DSW120. This smart automatic door opener system is designed for residential and light commercial use, offering touch-free access, wireless control, and smart home integration. Please read this manual thoroughly before installation and operation to ensure safe and efficient use.

2. SAFETY INFORMATION

- Ensure all electrical connections are performed by a qualified electrician and comply with local codes.
- Disconnect power before performing any maintenance or troubleshooting.
- Keep hands and loose clothing clear of the door and opener mechanism during operation.
- Do not allow children to play with the door opener or its controls.
- Regularly inspect the system for any signs of wear, damage, or loose components.
- The door opener is designed for swing doors only. Do not attempt to use it on other door types.

3. PACKAGE CONTENTS

The Olideauto DSW120 package typically includes the following components:

- DSW120 Automatic Door Opener Unit (Motor, Gearbox, Controller)
- Push Arm Assembly
- Mounting Plate
- Wireless Touchless Sensor Switch
- Wireless Access Keypad
- Electric Strike Lock
- Handheld Programmer
- Wireless Remote Controls (2 units)

- Power Cable
- Mounting Hardware (screws, anchors, spacers, Allen wrenches)
- Instruction Manual

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Video: Olide 120 Automatic swing door opener Open box video

This video provides an overview of the components included in the Olideauto DSW120 package, demonstrating the main unit, push arm, and various accessories.

4. PRODUCT OVERVIEW & FEATURES

The Olideauto DSW120 is an advanced automatic swing door opener designed for convenience, security, and accessibility. Key features include:

- **Smart WiFi Control:** Compatible with Alexa, Google Home, and controllable via the TUYA Phone APP for remote operation.
- **Wireless Touchless Hand Wave Sensor:** Allows for hygienic, hands-free door opening from a few inches away.
- **Wireless Access Keypad with Tags:** Offers diversified door opening methods including fingerprint, code, and card access, integrated with an electric strike for enhanced security.
- **Easy Programming & Debugging:** Parameters such as manual push force, locking mode, and hold-open time are adjustable via a handheld programmer.
- **Durable Motor:** Features wide voltage technology (AC100V to AC240V) for stable operation and longevity, even with voltage fluctuations.

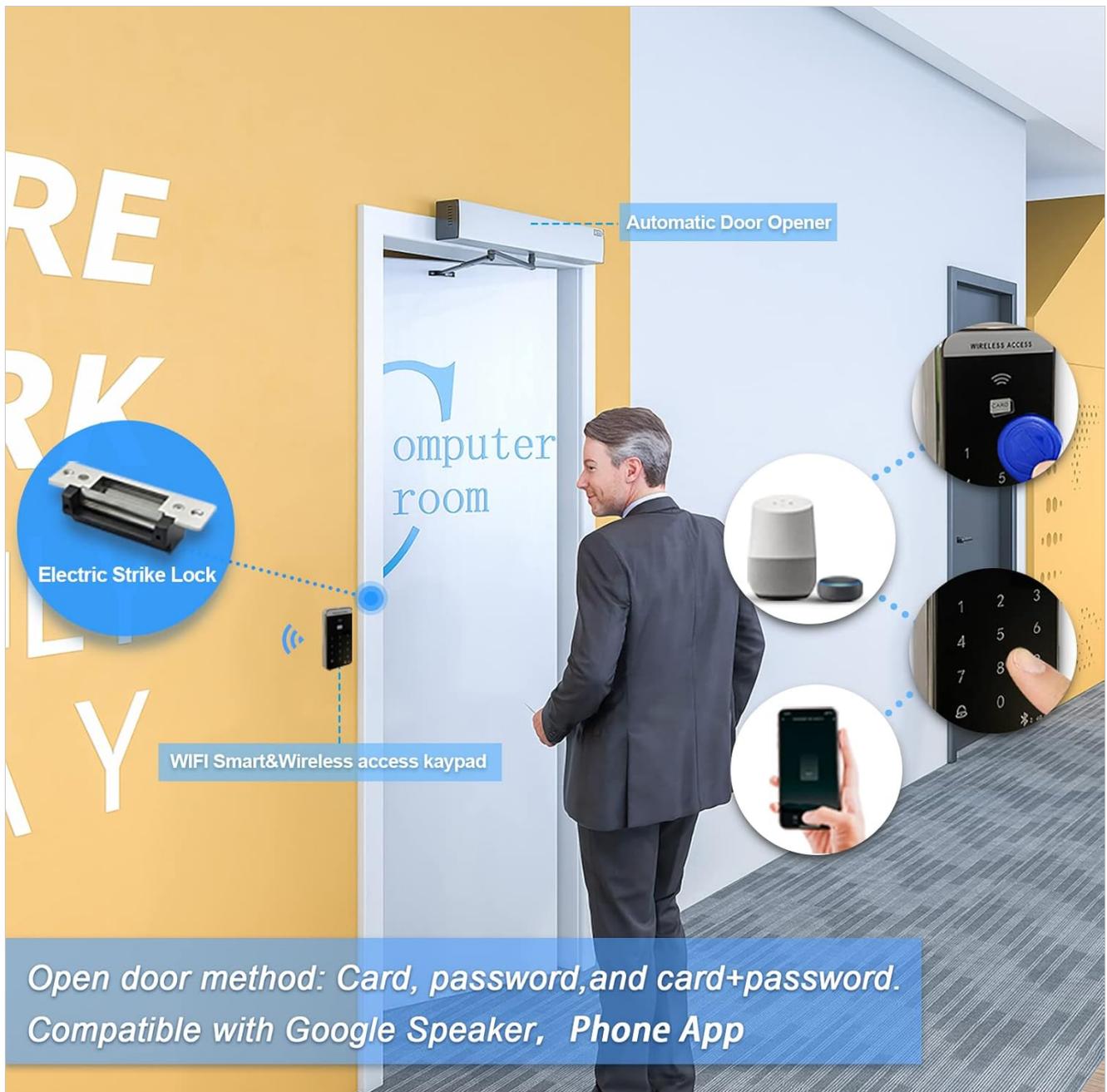


Image: System Overview

This image illustrates the complete Olideauto DSW120 system, showing the automatic door opener, electric strike, wireless access keypad, and compatibility with Google Home and smartphone applications.



WIFI Smart&Wireless and Touchless Sensor Switch

Remotely control your devices from TUYA APP no matter where you are.

Image: WiFi Smart & Touchless Sensor Switch

This image highlights the WiFi Smart & Wireless and Touchless Sensor Switch, demonstrating remote control capabilities via the TUYA APP.

5. TECHNICAL SPECIFICATIONS

Specification	Value
Model	DSW120
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
Opener Size	21.45"(L) x 3.35"(W) x 3.74"(H)
Opener Weight	11kg / 24 LBS
Material	Aluminum
Installation Type	Screw-In

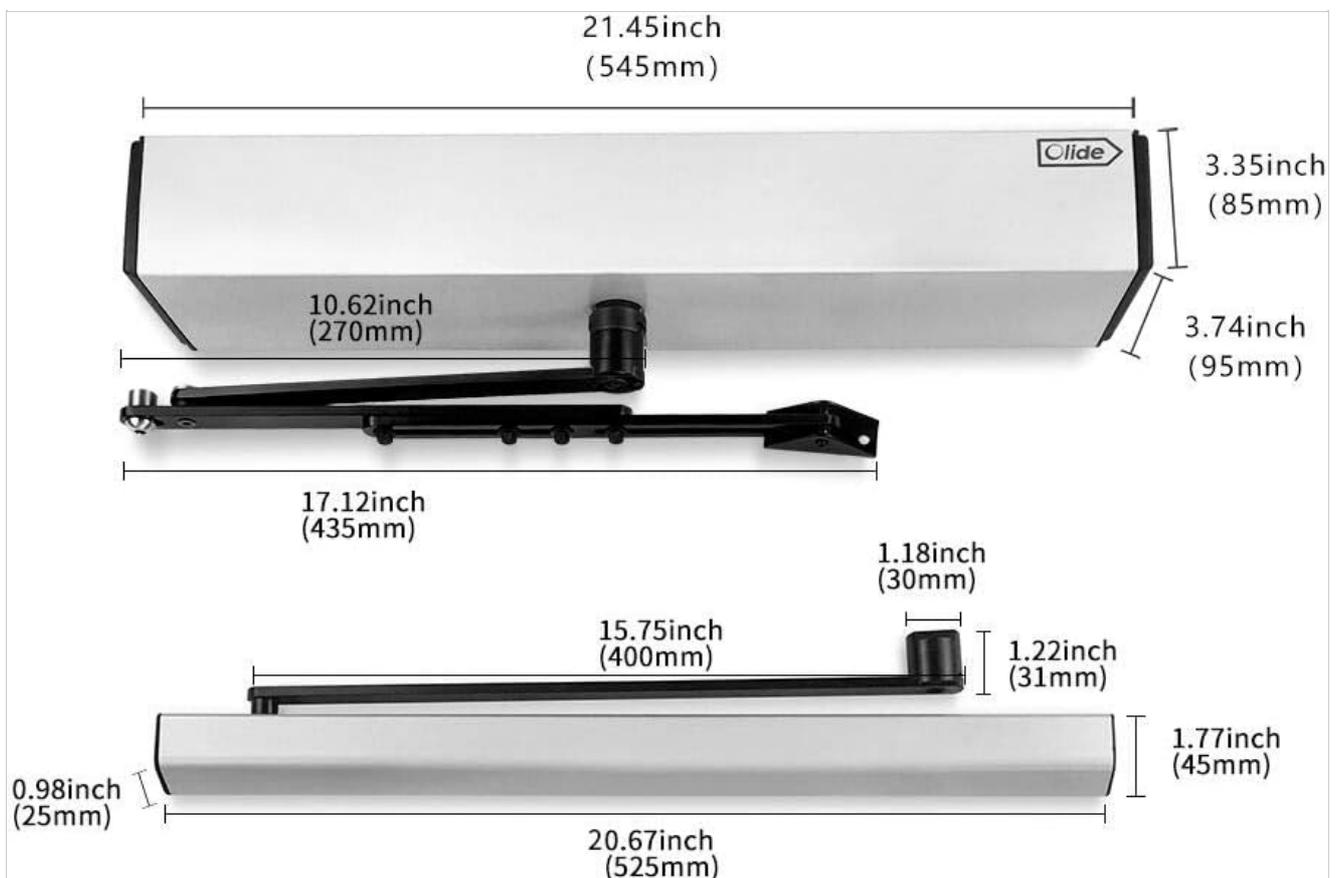


Image: Product Dimensions

This diagram provides detailed measurements of the Olideauto DSW120 door opener unit and its components.

6. INSTALLATION

Proper installation is crucial for the optimal performance and safety of your Olideauto DSW120. Follow these general steps, referring to the detailed diagrams and videos for specific guidance.

6.1 Mounting the Opener Unit

1. Determine the mounting position on the door frame or wall, ensuring sufficient clearance for the push arm.
2. Securely attach the mounting plate to the door frame or wall using the provided hardware. For hollow core doors, reinforcement with a 1/4" plywood piece is recommended to ensure stability.

3. Attach the main opener unit to the mounting plate.
4. Install the push arm assembly, connecting it to both the opener unit and the door.

6.2 Electrical Connections

Connect the power cable to the opener unit. The unit supports 110-220 VAC. Ensure proper grounding for safety. Wires can be routed discreetly under molding along the door frame and floor.

6.3 Accessory Installation

- **Wireless Touchless Sensor Switch:** Mount the sensor at a convenient height near the door. Ensure it is positioned to detect hand waves without accidental activation.
- **Wireless Access Keypad:** Install the keypad outside the door for secure access.
- **Electric Strike:** Integrate the electric strike with your door lock mechanism for automated locking and unlocking.

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Video: Olideauto swing door opener 120B Upside down installation

This video demonstrates an alternative installation method for the DSW120, specifically for upside-down mounting, which can be useful in certain scenarios.

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Video: Olideauto Automatic Swing Door Work with Kinds of Accessory

This video showcases the Olideauto DSW120 working with various accessories, providing visual examples of different setup configurations.

7. PROGRAMMING & SETUP

The DSW120 offers flexible programming options to customize its operation.

7.1 Handheld Programmer

Use the included handheld programmer to adjust various parameters:

- Opening and closing speeds
- Manually push force (push-go function)
- Opening direction
- Hold-on open time (1-30 seconds)
- Lock modes (power on lock, power off lock)

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



Image: Handheld Programmer

This image displays the handheld programmer and its interface, showing the various settings that can be adjusted for the door opener.

7.2 Remote Control Pairing

To pair a wireless remote control:

1. Locate the programming button on the opener's control board (often indicated by a red LED).
2. Press and hold the programming button until the LED changes state or a beep is heard.
3. Press the desired button on your remote control (e.g., 'A' for hold open, 'B' for automatic open/close).
4. The opener will confirm successful pairing (e.g., another beep or LED flash).

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Video: Automatic Handicap Door Opener Hold Open Time Adjustable

This video demonstrates how to adjust the hold-open time for the automatic door opener, a key programming feature.

7.3 Smart WiFi & Alexa/Google Home Integration

To connect your DSW120 to your smart home system:

1. Download the TUYA Smart APP on your smartphone.
2. Follow the in-app instructions to add your Olideauto DSW120 device.
3. Once connected to the TUYA APP, link your TUYA account to Alexa or Google Home through their respective

applications.

4. You can now control your door opener using voice commands (e.g., "Alexa, open the door") or through the TUYA APP from anywhere.

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Video: Smart WiFi auto door opener remotely control by Phone APP

This video illustrates the remote control functionality of the door opener using a smartphone application, showcasing the convenience of WiFi integration.

8. OPERATING INSTRUCTIONS

The Olideauto DSW120 offers multiple ways to operate the door:

- **Wireless Remote Control:** Press button 'A' for hold open, or button 'B' for automatic open and close.
- **Wireless Touchless Sensor Switch:** Wave your hand in front of the sensor to activate the door. The induction range is adjustable from 3-30cm (1.18-11.81 inches).
- **Wireless Access Keypad:** Enter your programmed code, use a registered tag, or utilize fingerprint access to open the door.
- **Phone APP / Voice Control:** Use the TUYA APP or voice commands via Alexa/Google Home to open or close the door remotely.
- **Manual Mode:** The door can be opened manually with minimal pressure, providing easy operation for individuals with disabilities or pedestrians.

Non - touch induction with hands or reflective objects, clean and hygienic.

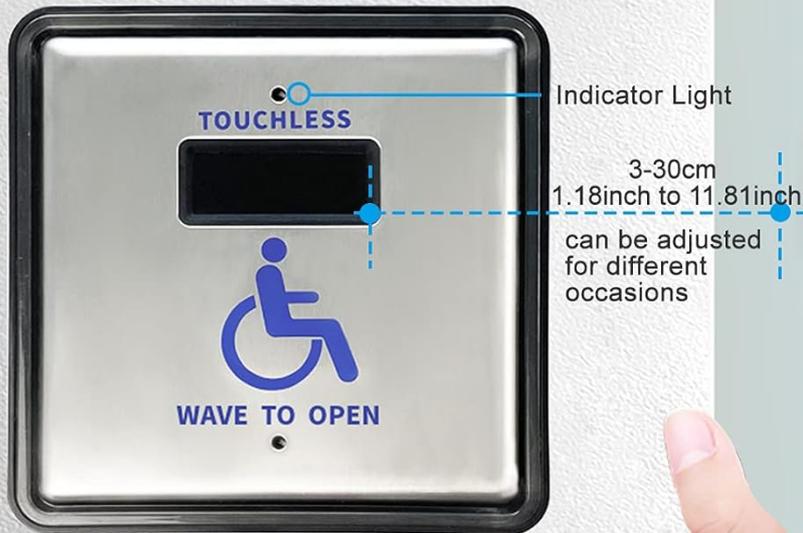


Image: Touchless Sensor Switch

This image shows the touchless sensor switch with its indicator light and highlights the adjustable induction range for hands-free operation.

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Video: Olide Touchless automatic door opener sensor open

This video demonstrates the touchless automatic door opener in action, activated by the sensor for convenient and hygienic access.

9. MAINTENANCE

To ensure the longevity and reliable operation of your Olideauto DSW120, perform the following maintenance checks:

- **Regular Cleaning:** Keep the opener unit, sensors, and keypad clean and free from dust and debris.
- **Check Connections:** Periodically inspect all electrical and mechanical connections for tightness and wear.
- **Lubrication:** The moving parts of the push arm may benefit from occasional lubrication with a silicone-based spray.
- **Sensor Functionality:** Test the touchless sensor and keypad regularly to ensure they respond correctly.
- **Door Movement:** Observe the door's opening and closing cycle for smooth operation. Adjust parameters with the

handheld programmer if necessary.

10. TROUBLESHOOTING

If you encounter issues with your DSW120, refer to the following common problems and solutions:

- **Door not opening/closing:**
 - Check power supply to the unit.
 - Ensure all wiring connections are secure.
 - Verify remote/sensor/keypad batteries are functional and paired correctly.
 - Check for obstructions in the door's path.
- **Door operating erratically:**
 - Reset the unit using the handheld programmer.
 - Re-program the operating parameters (speeds, forces).
 - Check for interference with wireless signals.
- **Touchless sensor not responding:**
 - Clean the sensor surface.
 - Adjust the sensor's induction range.
 - Ensure the sensor is correctly wired and powered.
- **Wireless keypad not granting access:**
 - Verify correct code entry or tag/fingerprint registration.
 - Check keypad battery if applicable.
 - Ensure the electric strike is receiving power and functioning.

11. WARRANTY AND SUPPORT

Olideauto provides a 60-month product warranty for the DSW120. For any installation problems or technical assistance, US-based tech support is available. Please refer to your product packaging or the official Olideauto website for contact information.