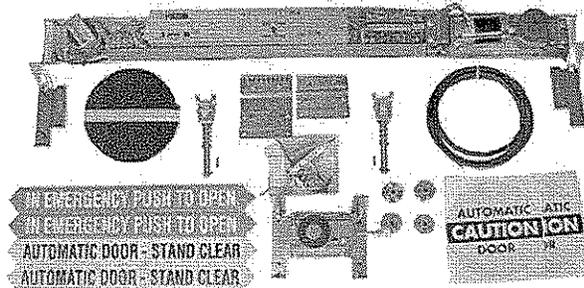NOTE: Approximate installation time: 2 to 4 hours – 1 Technician.

A. COMPONENTS

- ☐ Chassis -motor, gearbox, controller, secondary power supply, and interface board (1)
- ☐ Drive belt (1)
- ☐ Belt brackets (2)
- ☐ Idler / Tensioner (1)
- ☐ Bottom Guides (1 or 2)
- ☐ Top Rollers (2 or 4)
- ☐ Decal Set (1)
- ☐ AAADM Owner's Manual (1)
- ☐ AAADM Daily Safety Check Decal (1)

B. HEADER PREPARATION

1. **WARNING – Shut off and disconnect all primary electrical power to the door header before proceeding any further.**
2. Disconnect all sensor wiring from the control and/or interface board. Keep the wiring available if you intend to re-use the sensors
3. Disconnect all safety beam wiring from the control and/or interface board. Keep the wiring available if you intend to re-use the safety beams.
4. Disconnect all switches from the control and/or interface. Keep the switches in place if you plan to re-use them for the retrofit.
5. Remove the entire existing drive system from the header (motor-gear, control, interface, belt, chain, cables, etc.). Do not throw away any mounting hardware as it may be used to mount the DC One components (see drawings).

C. DOOR PREPARATION (See also: enclosed drawing "Configuration & Wiring")

1. Remove and replace the bottom guides (included) on each active panel per the manufacturer's instructions.
2. Remove and replace top rollers (included) per the manufacturer's instructions.
3. Re-hang and adjust doors to align properly when closed and ensure that the lock operates properly. Doors should slide smoothly through the full stroke without binding or obstruction. Correct any problems before proceeding.
   IMPORTANT NOTE:
   Manual resistance of the sliding panels, with no belt attached, should not exceed 8 lbf for bi-parts, or 4 lbf for single slides. Use a force gauge to push against the door to slide it open and closed to check the resistance.
4. Be sure to check for mechanical door stops at each end of the header. If door stops are missing, they may be ordered as an accessory from Door Controls, Inc.
5. Do not install new drive belt brackets yet. This will allow more working room when accomplishing the chassis installation and related wiring.

D. CHASSIS INSTALLATION (See also: enclosed drawing "Configuration")

1. Install DC One drive chassis per the instructions shown on the enclosed drawing - "Configuration".

E. DRIVE BELT & BRACKET INSTALLATION

1. Upon completion of all wiring, the drive belt and related brackets and idler pulley may be installed. Refer to the detailed dimensions drawing that came with the package to determine all mounting locations. When complete, install the drive belt and tension to result in approximately 1" to 2" deflection overall up and down at the center of the greatest span between clamp and pulley. The belt may need to be cut to the correct length. Use a strong pair of wire cutters to make a clean cut.
2. With the belt installed and tensioned, move the doors manually to their full open and then full closed position and ensure that they slide without binding or obstruction. Also check to make sure there are no wires that could be potentially caught by the moving parts.

F. WIRING OF ACCESSORIES (See also: enclosed drawing "Wiring")".

1. Complete all wiring. Refer to the wiring diagram enclosed with this guide. Be sure to complete the wiring for any accessories that may be required as well:
   - ❑ Activation sensors
   - ❑ Safety sensors
   - ❑ Safety Beams
   - ❑ On-Off Switch
   - ❑ Emergency Breakout Switch
   - ❑ Electric Carriage Lock (accessory)
   - ❑ Reduced Opening Switch (accessory)
   - ❑ 1-Way Switch (accessory)

G. POWER ON INDICATIONS

1. At the DC One control box, place the slide direction switch to the appropriate position per the door configuration.
2. Ensure that the door travel path is all clear. Place On-Off switch to the On position. Connect and apply main power to the header.
3. Upon powering, the door should power to the closed position, unless sensors are in detection causing to open and stay open. The display on the DC One LED's will indicate "07".
4. Thereafter, pressing the "TEST" button on the DC One control will trigger an activation cycle. The control takes approx. 6 activation cycles to complete it's learn routine.
5. When the "learn" is complete, normal operation will resume according to default values set in the control. Fine-tuning of the control may be necessary at this point. The most common adjustments are for speed, force and time, although there is more adjustability if needed. See the enclosed Programming Manual for further instructions.

H. WALK-TESTING AND DOCUMENTATION

1. When all DC One and sensor adjustments are complete, perform a thorough walk-test to validate proper and safe performance in accordance with current ANSI A156.10 guidelines as well as recommendations prescribed by the American Association of Automatic Door Manufacturers (AAADM). Door Control Services, Inc. recommends this step be performed by an AAADM certified door inspector.
2. Be sure to place an AAADM Daily Safety Check decal on the door (usually near the On-Off switch).
3. Document all work, obtain signatures on all work orders, and instruct the Owner on door operation. Be sure to leave a copy of the AAADM Owner's Manual for sliding doors with the Owner or Facilities Manager.

WARNING

DO NOT LEAVE ANY DOOR IN AN UNSAFE OPERATING CONDITION. IF SATISFACTORY INSTALLATION OR SERVICE CANNOT BE COMPLETED AT THAT TIME, INSTRUCT THE OWNER OF THE CONDITION AND ANY ADDITIONAL INSTRUCTION TO FOLLOW UNTIL WORK CAN BE COMPLETED AND DOOR CAN BE RETURNED TO SAFE OPERATION.

I. WARRANTY TERMS: 1 Year from date of purchase from Door Controls.

J. TECHNICAL SPECIFICATIONS

Power Input	120 Volts AC, Single Phase
Power Consumption	150W Max.
Secondary Power Supply	24 Volt, 1A Max.
Motor & Gear	Molded Brushless DC Motor with Hypoid Reduction Gear Assembly
Control	Microprocessed Controller
Operating Environment	-4F to 122F (-20C to +50C) 30% to 85% Relative Humidity

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