1. Determine the Door Hand (push instructions)

2. Mount the Backplate

3. Mount the Lock kick (Optional)

Quick Start
Ditec HA7
4. Mount the Operator

Unscrew this screw to move the lock kick and adjust angle of lock kick.

Angle of lock kick +/-

M5x55 (4x)

Note! The direction of the arrow on the operator should be same as the direction of the door opening.

5 N·m / 44 lbf-in
5. Mount the Arm

Note! Do not remove jumper unless lock kick installed.

The flat face of the extend shaft should be aligned to groove flat face on the arm.

20 N\textcdot m / 177 lbf\textcdot in

5 N\textcdot m / 44 lbf\textcdot in
1. Determine the Door Hand (pull instructions)

![Diagram of door hand determination]

Note! Arm sliding track must be mounted at the top of the door and the back plate at the Z-measurement from top of the door.

2. Mount the Backplate

![Diagram of backplate mounting]

Note! Screw head must be flush with back plate surface.

Note! The back plate should be electrically grounded, if not, you have to use the ground wire to make it grounded.

3. Mount the Lock kick (Optional)

![Diagram of lock kick mounting]

Note! Install lock kick for all fire-rated doors.
4. Mount the Operator

Unscrew this screw to move the lock kick and adjust angle of lock kick.

Max.  Min.

Angle of lock kick +/-

M5x55 (4x)

Note! The direction of the arrow on the operator should be same as the direction of the door opening.

Unscrew this screw to move the lock kick and adjust angle of lock kick.

Note! The direction of the arrow on the operator should be same as the direction of the door opening.

Refer to the picture for recommended location of lock kick.
5. Mount the Arm

When arm against door frame, do following steps to get pre-tension.

1. Turn the adaptor relative the spline in the arm.
2. Push the arm with angle 2 - 3° to get pre-tension, but don’t exceed. Please check spring pre-tension and lock kick.
3. When arm against door frame, do following steps to get pre-tension.
   - Turn the adaptor relative the spline in the arm.
4. Encoder
5. Motor
6. Lock kick (Optional)

Note! If pre-tension exceeds, it will cause this pin to be below the line and lock kick will not work.

ST4.8 x 60
M5 x 40
Wood
Metal
(2x)

20 N·m / 177 lbf·in

Note! Do not remove jumper unless lock kick installed.

When reveal = 0

Note! If pre-tension exceeds, it will cause this pin to be below the line and lock kick will not work.
6. Spring Pre-tension

<table>
<thead>
<tr>
<th>Door closer power size according to ANSI 156.4</th>
<th>Closing force between ( \frac{1}{2})&quot; (13mm) and 3&quot; (76mm)</th>
<th>Door weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size #1 PUSH / PULL</td>
<td>F (lbf) 2 - 3, F (N) 9 - 13</td>
<td>50 lbs / 23 kg</td>
</tr>
<tr>
<td>Size #2 PUSH / PULL (Default)</td>
<td>F (lbf) 3 - 5, F (N) 13 - 22</td>
<td>80 lbs / 36 kg</td>
</tr>
<tr>
<td>Size #3 PUSH</td>
<td>F (lbf) 5 - 8, F (N) 22 - 36</td>
<td>100 lbs / 45 kg</td>
</tr>
<tr>
<td>Size #4 PUSH (Default)</td>
<td>F (lbf) 8 - 11, F (N) 36 - 49</td>
<td>125 lbs / 57 kg</td>
</tr>
</tbody>
</table>

*Warning*: hands pinching

**CAUTION**: Force (+) PUSH size #4 PULL size #2

**Force (-)** PUSH size #3 PULL size #1

Spring shall not be over pre-tensioned.

Make sure that the spring does not exceed the red line on the sticker.

7. App Install / Set-up

Note! An external door stop is to be installed to prevent the door from over travel.

1. Install the app

Download the app **Entrematic Swing Door Manager** at **Apple Store** or **Google Play**.

![Download on the App Store](image)

2. Log in to the app with owner

![Log in to the app](image)
3 Learn

Press Learn button on CU for more than 4 seconds.

LED

Scan QR code on the product.

4 Test

Test the connection
To make sure that everything works well, press the button to open and close the door.

Test the door

Did the door open and close as it should?

Test the door

Name the door
Get the door a name.

Test the door

Add a username
Give yourself a username.

Test the door

All done!
Now you are all done! Enjoy using the application to control the door and if you have any questions, contact customer service.
5. Settings

6. Add user

7. Remove user
Log in to the app with user

At the same time, owner should “Add user” and show the QR code. User scan the QR code from owner.

Test the connection
To make sure that everything works well press the button to open and close the door.

Did it work?
Did the door open and close as it should?

Add a surname
Give yourself a surname.

All done!
Now you are all done enjoying using the experience control the door and if you have any issues don’t hesitate to contact customer service.

Configure Parameters
Configure the parameters.
## 8. Configuration Parameters

<table>
<thead>
<tr>
<th>Parameter name</th>
<th>Default settings</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hold open time</td>
<td>5s</td>
<td>2s - 6h</td>
</tr>
<tr>
<td>Opening time</td>
<td>4.5s</td>
<td>4.5s - 9s</td>
</tr>
<tr>
<td>Closing time</td>
<td>4.5s</td>
<td>4.5s - 9s</td>
</tr>
<tr>
<td>Arm system</td>
<td>Push</td>
<td>Push / Pull</td>
</tr>
<tr>
<td>Push and go</td>
<td>Not active</td>
<td>Not active / Active</td>
</tr>
<tr>
<td>Power assist</td>
<td>Off</td>
<td>Off / Low / Medium / High</td>
</tr>
<tr>
<td>Extend closing torque</td>
<td>0 (Lowest)</td>
<td>0 (Lowest) - 10 (Highest)</td>
</tr>
<tr>
<td>Stop on stall</td>
<td>Active</td>
<td>Not active / Active</td>
</tr>
<tr>
<td>Select lock voltage</td>
<td>12V</td>
<td>12V / 24V</td>
</tr>
<tr>
<td>Select lock power</td>
<td>Lock with power</td>
<td>Lock with power / Lock without power</td>
</tr>
<tr>
<td>Push and close</td>
<td>Not active</td>
<td>Not active / Active</td>
</tr>
<tr>
<td>Key impulse hold open time</td>
<td>5s</td>
<td>2s - 25s</td>
</tr>
<tr>
<td>Number of lock retries</td>
<td>1 time</td>
<td>0 - 2 times</td>
</tr>
<tr>
<td>Lock kick</td>
<td>Not active</td>
<td>Not active / Active</td>
</tr>
<tr>
<td>Reverse upon obstruction</td>
<td>Active</td>
<td>Not active / Active</td>
</tr>
<tr>
<td>Lock release time</td>
<td>0.5s</td>
<td>0s - 5s</td>
</tr>
<tr>
<td>Ratchet function</td>
<td>Not active</td>
<td>Not active / Active</td>
</tr>
</tbody>
</table>

## 9. Mount the Cover

1. Remove plastic film
2. 
3. 
4. 
5. 

[Diagram of Mounting Process]

Remove plastic film