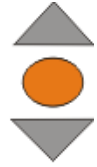


# Door MAN

SD01 - By DoorTEC



SD-03

**WARNING:** IT IS VITAL FOR THE SAFETY OF ALL PERSONS INSTALLING AND USING THIS OPENER TO FOLLOW THE INSTALLATION INSTRUCTIONS AND SAFETY WARNINGS. FAILURE TO COMPLY MAY RESULT IN SERIOUS PERSONAL INJURY AND/OR PROPERTY DAMAGE AND DAMAGE TO THE OPENER AND DOOR

## INSTALLATION & OWNERS MANUAL

# **1. One year manufacturer's Warrantee**

The DOORMAN opener carries a 12 month factory warrantee from date of invoice.

Faulty openers will be repaired or replaced by the sole discretion of AUTOMATION AFRICA.

The labour costs involved for replacement or repairs will be for the customers account and is not covered by this warrantee.

The transport to and from AUTOMATION AFRICA of items is for the customer's account.

All warrantee claims must be accompanied by the original invoice.

The warrantee does not cover non-defect damage caused by unreasonable use or wrongly installed components.

This warrantee excludes lightening damage, insect damage, water damage, acts of God and improper installation.

This warrantee excludes remote controls, bulbs and back up batteries.

## **The following conditions will disqualify this product from warrantee as laid out above**

Any DOORMAN opener used to automate more than one door at a time.

Any DOORMAN opener used outdoors, including carports.

Any Doorman opener used in excessive traffic applications such as multi apartment parking garages.

When any DOORMAN opener is not installed by a QUALIFIED installer.

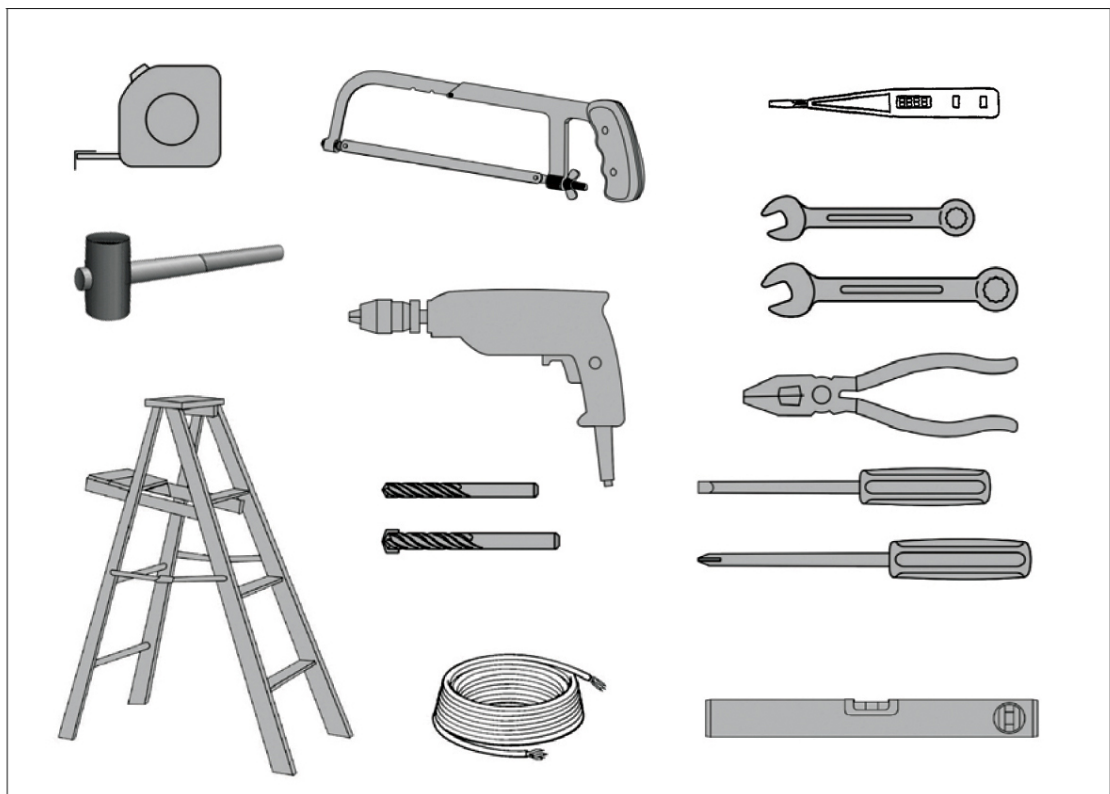
Any unauthorized non-manufacturer modifications to the opener or components thereof.

## 2. Technical Specifications

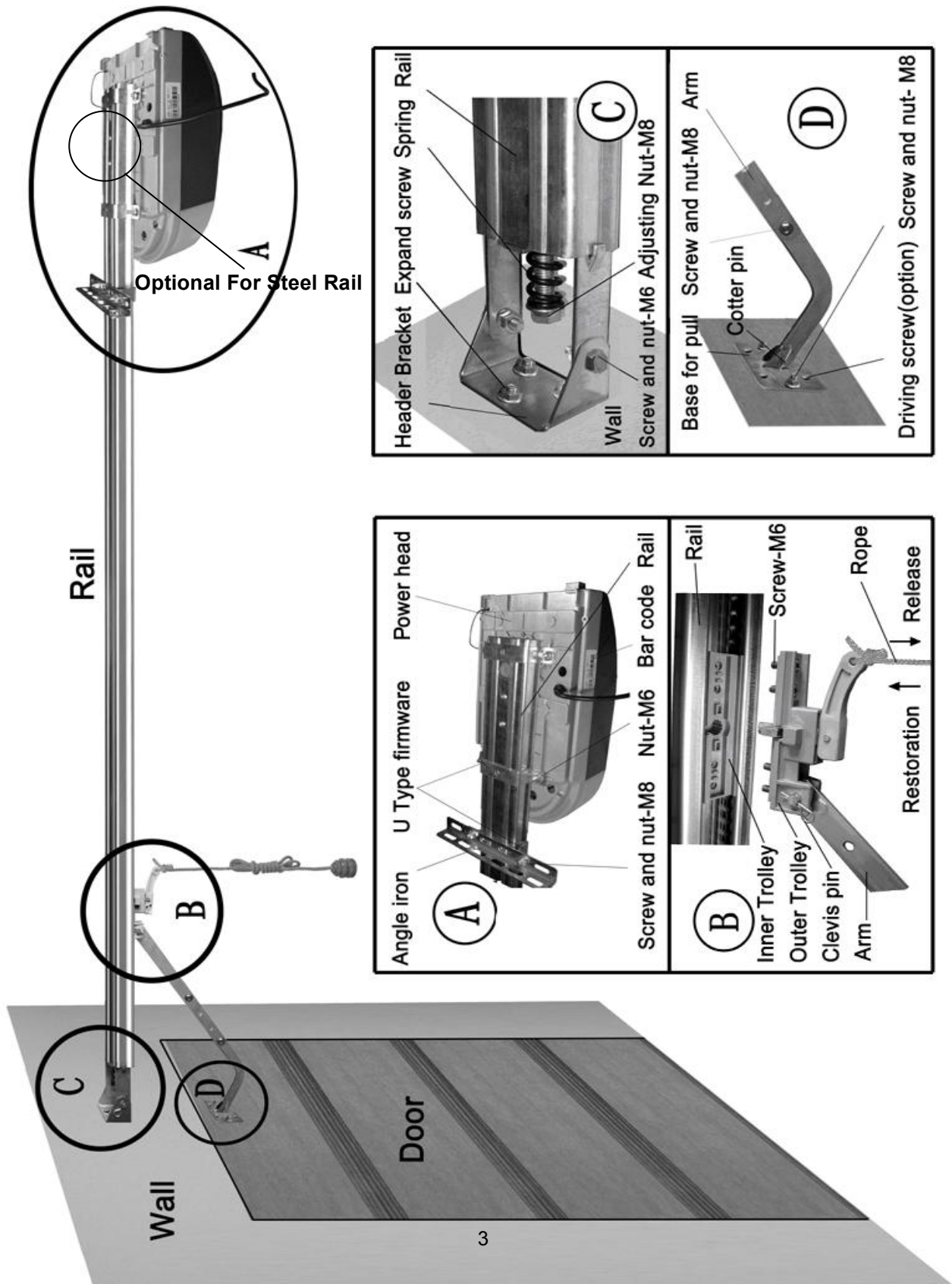
Power Input	220VAC±10% 50~60Hz	Reception frequency	433.92MH
Motor	24VDC	Decoding	Rolling Code
Working Temperature	>-20~50℃	Transmitter power	27A 12V Battery
Relative Humidity	≦ 90%	Globe	24V 5W
Open and close force	800N	Courtesy light time	3 minutes

## 3. Installation

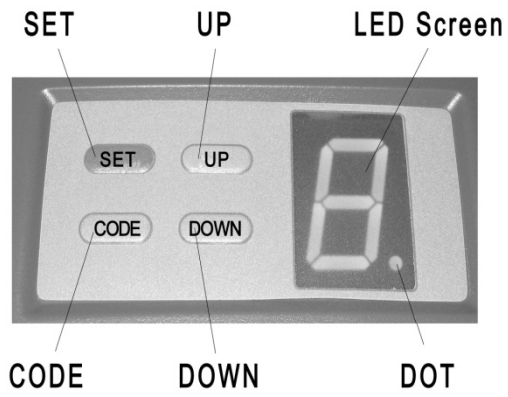
### 3.1 Recommended Tools



### 3.2 Installing the Operator and Rail

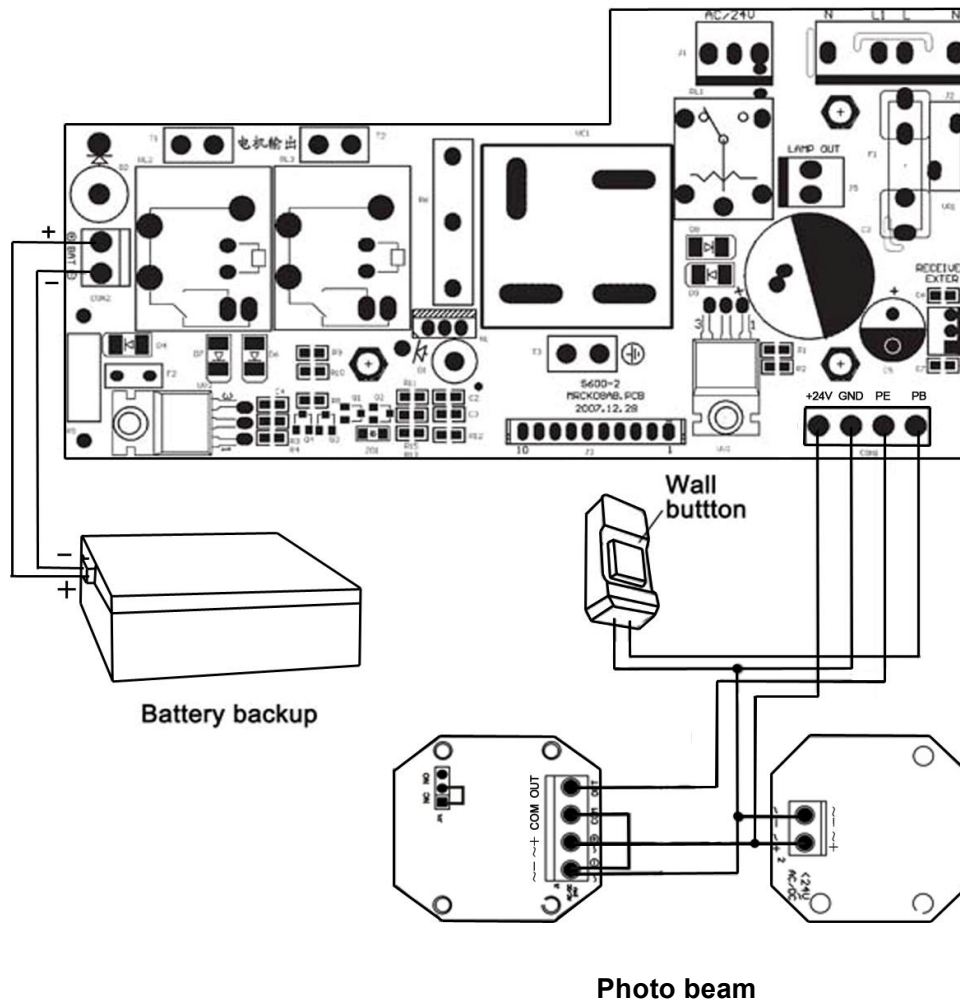


## 4. Control panel


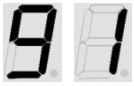
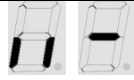



















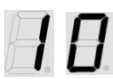







Control panel

## 5. Optional Terminals and Connections








## 6. Programming the Operator

<b>6.1</b>	<b>Preparation</b>	
<b>6.1.1</b>	Keep trolley locked, pull and/or push the door by hand, make sure the trolley connects with the traveller.	
<b>6.1.2</b>	Turn on the power, the courtesy light is on for several seconds, the LED displays the numbers from “ 9 ” to “ 1 ”. The operator turns to standby mode.	
<b>6.1.3</b>	After the units “self-testing” it displays “ II ” or “ - ”.	
<b>6.2</b>	<b>Setting Open and Close Limits</b>	
<b>6.2.1</b>	Press and hold SET until the unit displays “ 1 ”.	
<b>6.2.2</b>	Press and hold UP, for opening limit, the door will start to run	
<b>6.2.3</b>	When the door has reached the open position, press SET to confirm setting. The unit displays “ 2 ”.	
<b>6.2.4</b>	Press and hold DOWN, for close limit. When the door has reached the closed position, press SET to confirm setting.	
<b>6.2.5</b>	The door will now open and close automatically to map the open and close sensitivity force requirements.	
<b>6.2.6</b>	The unit displays “ II ” to show the setting is complete.	
<b>6.3</b>	<b>Self Learning Transmitter</b>	
<b>6.3.1</b>	When the unit has stored 20 codes, it will flash “ F ”, This indicates that the receiver has reached its limit and is full.	
<b>6.3.2</b>	Press and hold CODE, until it displays “ ● ”.	
<b>6.3.3</b>	Hold for more than 8 seconds, until the unit flashes “ C ”, all remotes are now deleted.	
<b>6.4</b>	<b>Adding or Changing Transmitters</b>	
<b>6.4.1</b>	Press and release CODE, the unit displays “ ● ”.	
<b>6.4.2</b>	Press a button on the transmitter, then release and press the same button again, “ ● ” flashes,	
<b>6.4.3</b>	The unit displays “ II ” to show setting is complete. Repeat above steps to code a maximum of 20 different transmitters.	

<b>6.5</b>	<b>Force Adjustments</b>	
6.5.1	Press and hold SET, the unit displays “ 3 ”.	
6.5.2	Press SET once again, it will show the current setting. Press UP to increase the force by one degree or press DOWN to decrease by one degree. Maximum degree is “ 9 ”, minimum is “ 1 ”.	
6.5.3	Press SET to confirm. The default setting is “ 5 ”.	
6.5.4	 <b>After finishing all the settings, please check the force to make sure of settings.</b>	
<b>6.6</b>	<b>Holiday Lockout – not recommended</b>	
6.6.1	Press and hold SET, the unit displays “ 4 ”.	
6.6.2	Press SET to show current setting. Press UP, it displays “ 1 ”, lockout function enabled or press DOWN, It displays “ 0 ”, lockout function disabled. Press SET to confirm the function you require.	
6.6.3	 <b>When using uncovered transmitters, it is recommended using the lockout function. This function works when the door reaches the closed position, you can't open the door until “lockout” has been disabled first.</b>	
<b>6.7</b>	<b>Photo Beam</b>	
6.7.1	Press and hold DOWN, the unit displays “ - ” .	
6.7.2	Press SET to show current setting. Press UP once the unit displays “ H ”, the photo beam is enabled. Press down once, the unit displays “ II ”, the photo beam is disabled. Press SET to confirm required setting and quit.	
6.7.3	 <b>If you do not make use of the photo beam device, please make sure it displays “ II ” , to disable this function.</b>	
<b>6.8</b>	<b>Auto-Close ON/OFF</b>	
6.8.1	Press and hold UP, the unit displays “ - ”.	
6.8.2	Press SET to show current setting. Press UP to increase the auto-close time by one minute or press DOWN to decrease by one minute. Maximum time is “ 9 ” , minimum is “ 0 ”. Press SET to confirm.	
6.8.3	 <b>The default setting is “ 0 ”, “ 0 ” shows auto-close off. This function works when the door reaches the fully open position.</b>	

## 7.Owners' Guide

<b>7.1</b>	<b>Attention</b>		
7.1.1		At the first time of using the door, please test the driving system to see if it moves smoothly. (Test method: unlock the traveller, pull and push the door by hand.)	
7.1.2		Connect to appropriate power socket with earth	
7.1.3		Use the transmitters only while the door is in sight. Do not stand or walk under a moving door. The transmitters should be out of reach of children.	
7.1.4		Make sure the opener is not used in very hot places above 50 deg. Celsius, Very damp or moist places	
7.1.5		Check at least twice a year to make sure the door is properly balanced and that all working parts are in good working condition. Adjust the tension of chain. Add suitable amount of lubrication to the chain system.	
<b>7.2</b>	<b>Trouble-Shooting Guide</b>		
<b>7.2.1</b>	<b>Problem</b>	<b>Causes</b>	<b>Solution</b>
7.2.2	The chain is noisy.	The chain is too loose.	Adjust nut-M8 referring to 3.2.C.
7.2.3	The motor does not open or close.	No limits set	Check limit settings.
7.2.4	After setting open and close positions, the motor does not work.	The screws of the Hall encoder are loose or hall encoder is faulty.	Tighten the screws or replace the hall encoder.
7.2.5	The motor does not close.	Photo beam function is enabled.	Cancel the photo beam function, refer to 6.7.
7.2.6	The wall button works, but the transmitter doesn't work.	Transmitter program is lost or transmitter battery is flat.	Re-code referring to 6.4 or replace with new transmitter battery.
7.2.7	Transmitter distance is too short.	The transmitter battery is nearly flat.	Change new battery