

Date :  
Tel. No. :  
Email :

## TECHNICAL SUBMITTAL

**To :**

**Attention :**

**Subject : Roll Up Door**

**ARB MOTOR**

**(Electrically/Manually Operated)**

**Project :**

**Attachment : Catalogues**

## **AL-ARABIA LOCKS Automatic Doors And Systems**

### **Roll Up Door (Electrically/Manually Operated)**

## Roll Up Door Parts Specificaion

**Work in our scope** - The opening will be equipped with Roll-Up Doors manufactured by ALARABIA AUTOMTAIC DOORS

**Work not in our scope** - Opening preparation, miscellaneous or structural metal work, s, andeaccess panels, finish or field painting, field electrical wiring, wire, conduit, fus disconnect switches are in the Scope of Work of other divisions or trades .

**Curtain** - Corrugated door curtain is made up of Aluzinc preprinted steel sheet of thickness 0.50mm  $\pm 5\%$ . The available RAL colors are 9002 – white, 1001 – beige, 1015 – ivory and 1019 – RAL beige. The preprinted color consists of a topcoat 20 microns, primer 5 microns (top and bottom) and back coat 10microns. The edges of the curtain are fixed from inside and outside with vinyl strips to smoothen the operation of the door and to damp the noise level. An extruded aluminum bottom bar with weather seal is attached to the curtain. An edtoptional weight bar can be fixed to achieve the balance of the doors. Curtains will be pain . on front and back sides

**Guides** - Extruded aluminum guides are used to guide the curtain upward and downward ide willuttravel. The guides are selected as per the wind pressure and size of door. Top of g be flared to reduce drag and wear .

**Brackets** - Brackets will be of galvanized angle iron esigned to support the barrel assembly .

**Barrel System** - Oil tempered steel torsion springs are engineered to counterbalance heTdifferent door sizes and weights for smooth, easy operation and long service life. ter andesprings and plastic drum wheels are fixed to a hollow pipe shaft of sufficient diam thickness .

**Finishes** - Bracket will be galvanized finish. Track and Bottom Bar will be standard – white, aluminum finish or optional powder coated finish. Curtain will be available in 9002 onsr1001 – beige, 1015 – ivory, 1019 – RAL beige with topcoat 20 microns, primer 5 mic (top and bottom) and back coat: 10 microns

**Operation** - Door will be operated by means of

- Manual push-up
- Motor


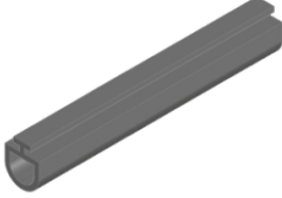
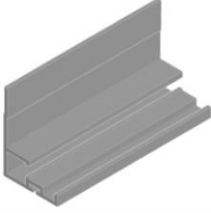



**Weather Stripping** - Bottom rubber seal will be fitted to extruded aluminum bottom bar to cushion the door and to cover the floor slope.


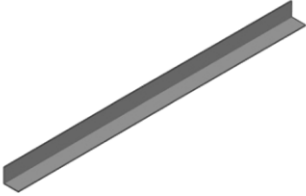
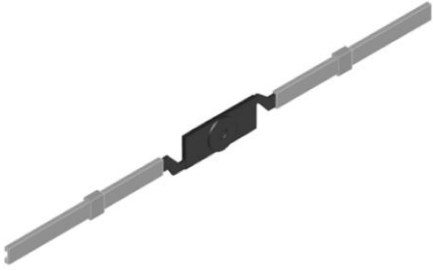
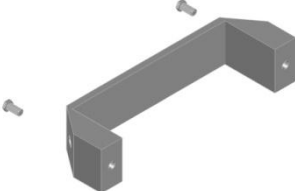
**Locking** - Center locks are cylindrical type as a standard, fitted on the inside of curtain above 1 meter from floor and operable from both sides.

**Caution!** - When door is engaged with motor don't use the cylindrical locks as the door gets locked with motor gear head automatically

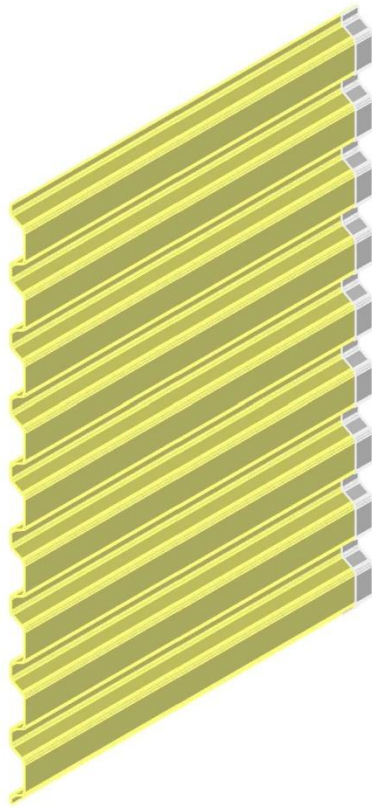
**Installation** - Install the doors in accordance with ALARABIA AUTOMTAIC DOORS instruction and standards. Installation will be by manufacturer or by an authorized . ALARABIA LOCKS representative

## Roll Up Door Parts Specification

Parts	Description
	<p><b>Corrugated Sheet</b> Aluzinc pre-printed steel sheet of thickness 0.5 mm <math>\pm</math> 5%. The edges of the curtain are fixed from inside and outside with vinyl strips to smoothen the operation of the door and to damp the noise level.</p>
	<p><b>Bottom Rubber Seal</b> Installed with the bottom bar. Made of rubber , 15.7 mm H x 14 mm W , 1.75 mm thickness</p>
	<p><b>Bottom Bar</b> Placed at the bottom of the curtain. Made of aluminum , 51 mm effective H x 35 mm effective W , 1.6 mm thickness</p>
	<p><b>Clamp</b> It holds the spring to the shaft. Made of steel , 70 mm L x 56.5 mm W , 3 mm thickness</p>
	<p><b>Cast Saddle</b> Made of cast iron , 70 mm L x 45 mm W x 25 mm H</p> <p><b>Steel U Bolt</b> Made of steel , 56 mm effective width , 100 mm effective height , 10 mm diameter.</p> <p>Fix the shaft to the bracket.</p>
	<p><b>Aluminum Track SB</b> Made of aluminum , 40 mm x 80 mm x 2.0 mm thickness , 37 mm opening Width , available length : 300 cm , 325 cm , 360 cm , 400 cm and 500 cm.</p>

	<p><b>Bracket SB</b>                  A 40cm x 33cm steel angle bar with 4mm thickness designed to support the barrel assembly.</p>
	<p><b>Aluminum Angle</b>                  Made of aluminum , 25 mm x 25 mm , 1 mm thickness.</p>
	<p><b>Center Lock</b>                  cast iron , 250 mm L x 30 mm W , with Wayne Dalton logo</p> <p><b>Lock Bar</b>                  galvanized iron , 20 mm W x 6 mm H , 0.6 mm thickness</p> <p><b>Lock Clip</b>                  galvanized iron , 17 mm opening Width , 10 mm H x 24 mm W x 20 mm L , 1.2 mm thickness</p>
	<p><b>Plastic Handle</b>                  Made of plastic , 40 mm H x 140 mm L x 27 mm W. It is used to manually pull up the curtain once the motor lock is released.</p>

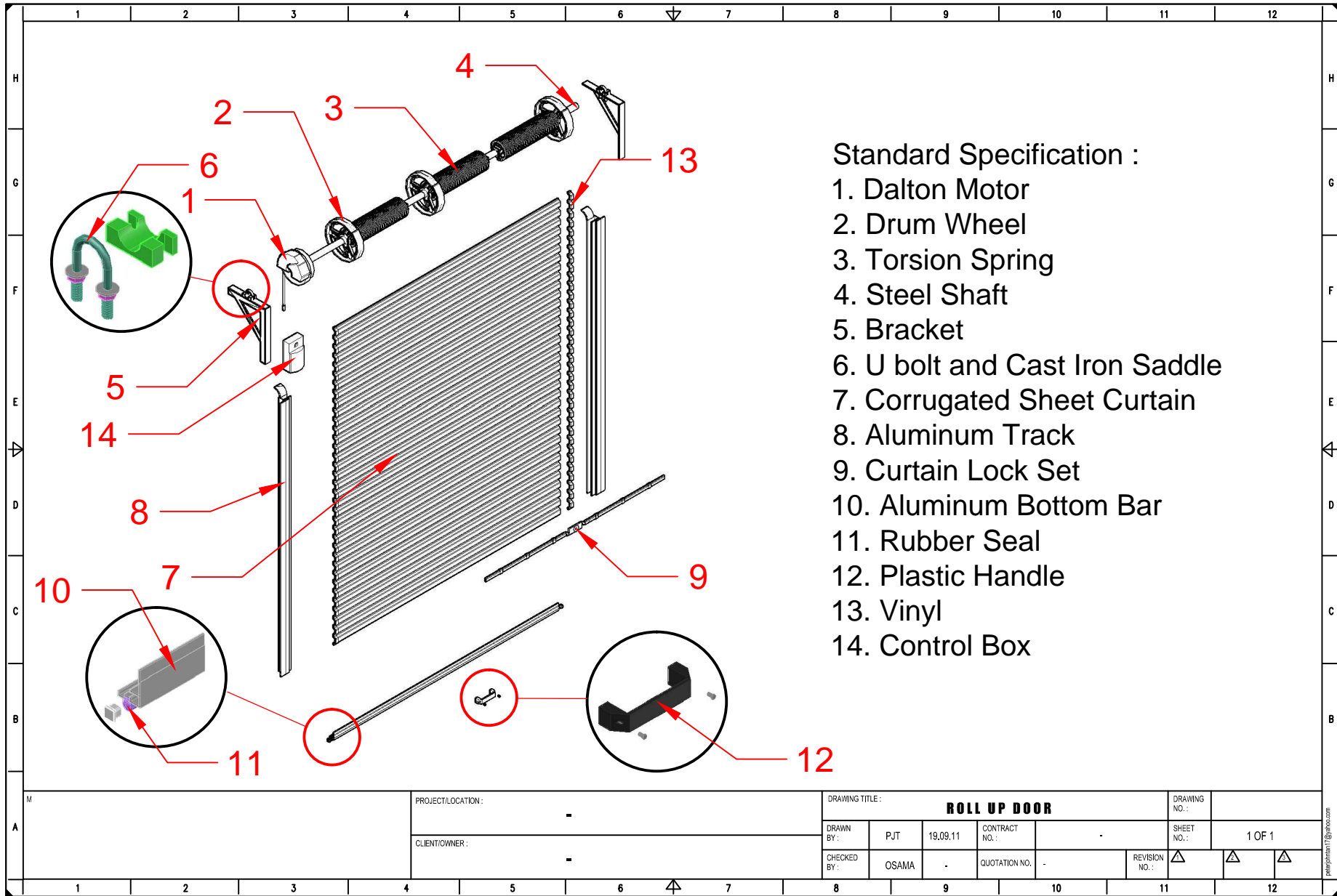
## ROLL UP DOOR PROFILE



### Corrugated Sheet

Aluzinc pre-printed steel sheet of thickness 0.5 mm  $\pm$  5%. The edges of the curtain are fixed from inside and outside with vinyl strips to smoothen the operation of the door and to damp the noise level.

.ALARABIA LOCKS CO



Standard Specification :

- 1. Dalton Motor
- 2. Drum Wheel
- 3. Torsion Spring
- 4. Steel Shaft
- 5. Bracket
- 6. U bolt and Cast Iron Saddle
- 7. Corrugated Sheet Curtain
- 8. Aluminum Track
- 9. Curtain Lock Set
- 10. Aluminum Bottom Bar
- 11. Rubber Seal
- 12. Plastic Handle
- 13. Vinyl
- 14. Control Box

PROJECT/LOCATION :	-
CLIENT/OWNER :	-

DRAWING TITLE :				<b>ROLL UP DOOR</b>		DRAWING NO. :	
DRAWN BY :	PJT	19,09,11	CONTRACT NO. :	-	SHEET NO. :	1 OF 1	
CHECKED BY :	OSAMA	-	QUOTATION NO. :	-	REVISION NO. :	△	△

palestine11@yahoo.com

## **ALARABIA LOCKS CO. for Automatic Doors And Systems**

### **ARB Motor (Electrically Operated)**



### Technical Specifications for Dalton3 Operator

No	Item	Dalton 3
1	Input Voltage	220-240VAC - 50/60HZ
2	Electrical Transformer	Primary Voltage(220V-240VAC) Control Voltage(24 VDC) Toroidal Protected & Insulated Transformer (Class B&CE Certificate)
3	Control Voltage	24VDC
4	Door Travel Speed	17 Cm/Sec ≤
5	Operator Lifting Force	500N ± 5%
6	Opener Maximum Travel	6 Turns of Door Drum Wheel
7	Opener Max . Run Time	40 Sec
8	Receiver Type	UHF 433.92 mhz code Storage Capacity(6x4 Button Transmitter Code)
9	Transmitter	Frequency coding number of code combinations cod Generation Battery Voltage(433.90mhz Hopping code 4.29 Billion Non -Linear Encryption 12Voltge)(Frequency as per Saudi Standards )
10	Temp . Range	+55c° ÷ -20c°
11	Running Noise	< 55 dB
12	Qty of Remote Control	03
13	Test Certificate	<b>CE(European Test)</b>

A.R.B



GARAGE DOOR OPENER



- AUTOMATIC OBSTRUCT
- PHOTOELECTRIC BEAM
- ROLLING CODE SYSTEM
- AUTO CLOSE DOOR
- ANTI-THEFT SYSTEM

INSTALLATION INSTRUCTION AND RDO OWNERS MANUAL

# ARB

## Roll-Up Opener

☆ *Safety Obstructions  
Detection*

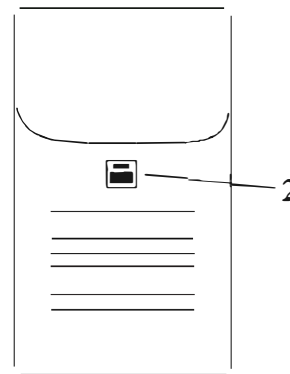
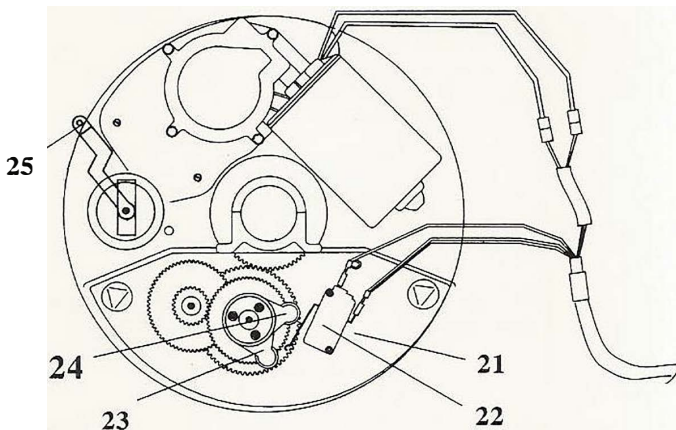
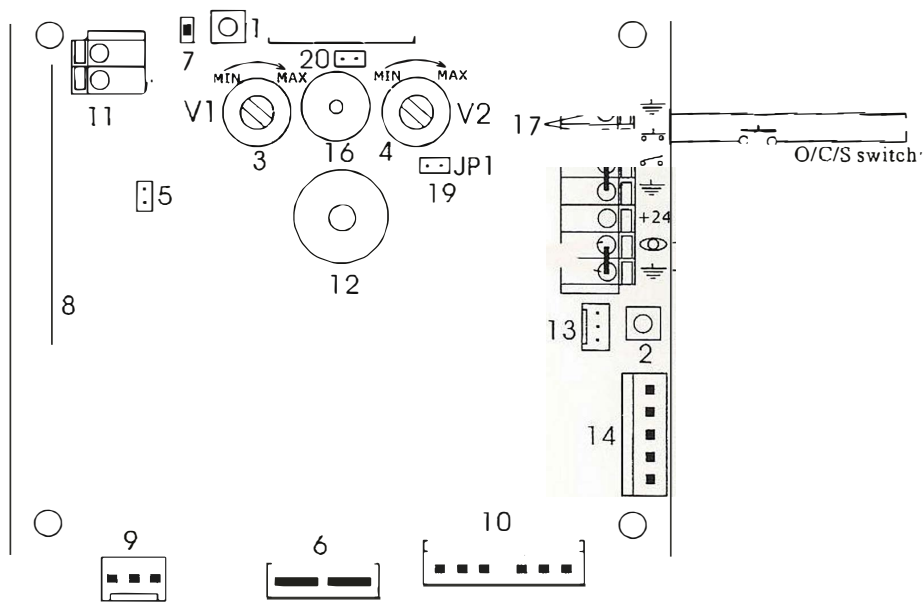
☆ *Automatic  
Closing*



## MAIN OPERATING FEATURES

1. **DOOR CODE button** is used for storing or erasing the transmitter button code.
2. **O/C/S button** is used during installation to test the Open, Close and Stop cycles for the Opener. Is used to charge the safety obstruction force. It is preset to 10KG before installation.
3. **FORCE MARGIN SET** button is used to change the force pressure when the door encounters an obstruction. It is preset by the installer during installation.
4. **SAFETY OBSTRUCTION FORCE SET TRIM POT** is used to change the safety obstruction force. It is preset to 10kg before installation.
5. **AUTO CLOSE TIME SET JUMPER TERMINAL** is used to adjust the door auto close.
6. **SAFETY FUSE** is 10A/32V. If required always substitute with the same specification.
7. **CODE LED** Illuminates when the Opener receives a signal.
8. **RECEIVER BOARD** receives the signals from transmitters.
9. **POWER INPUT** Is used to connect the input power from the transformer.
10. **MOTOR POWER OUTPUT** is used to connect to the motor wire.
11. **ANTENNA OUTLET** connection point for the fitment of an external antenna
12. **AUTO COURTESY LIGHT** is activated automatically each time the opener commences an Open or Close Cycle and remains on for approx 3 minutes
13. **PUSH BUTTON SWITCH INPUT** is used to control the open/stop/close of the door.
14. **AUDIBLE ALARM TERMINAL AND BACKUP POWER INPUT OUTLET** is used to connect an optional external alarm.
15. **RECEIVER BOARD POWER JUMPER TERMINAL** is used to connect an additional anti theft alarm system.
16. **IN- BUILT BUZZER** will sound momentarily each time the Opener commences an Open or Close Cycle or continuously if the Opener is forced open.
17. **O/C/S INPUT TERMINAL.** For connection to an external hard wired push button
18. **POWER BOOST JUMPER.** Remove this jumper to increase power for heavy doors
19. **IN-BUILT BUZZER DEFEAT** . Use to disable audible alarm
20. **OPEN LIMIT MICRO SWITCH** is used to stop door in the fully open position.
21. **CLOSE LIMIT MICRO SWITCH** is used to stop the door in the fully closed position.
22. **OPEN LIMIT CAM** is used to adjust the open limit stop position. (Refer to installation manual for correct use).
23. **CLOSE LIMIT CAM** is used to adjust the close limit stop position. (Refer to installation manual for correct use)

## MAIN OPERATING FEATURES



- (1) DOOR CODE Button
- (2) O/C/S Button
- (3) FORCE MARGIN SET button
- (4) SAFETY OBSTRUCTION FORCE SET TRIMPOT
- (5) AUTO CLOSE TIME SET JUMPER TERMINAL
- (6) SAFETY FUSE
- (7) CODE LED
- (8) RECEIVER BOARD
- (9) POWER INPUT
- (10) MOTOR POWER OUTPUT
- (11) ANTENNA OUTLET
- (12) AUTO COURTESY LIGHT
- (13) PUSH BUTTON SWITCH TERMINAL
- (14) AUDIBLE ALARM TERMINAL AND BACKUP POWER INPUT OUTLET

- (15) RECEIVER BOARD POWER JUMPER TERMINAL
- (16) IN-BUILT BUZZER
- (17) EXTERNAL O/C/S INPUT
- HEAVY DOOR JUMPER TERMINAL
- (19) IN-BUILT BUZZER DEFEAT
- (20) OPEN LIMIT MICRO SWITCH
- (21) CLOSE LIMIT MICRO SWITCH
- (22) OPEN LIMIT CAM
- (23) CLOSE LIMIT CAM
- (24) ENGAGE/DISENGAGE LEVER

## INSTALLATION REQUIREMENTS

### SIDE ROOM REQUIREMENTS

Fig 1 shows the **minimum** amount of side room that is required between the face of the drum wheel and the edge of the door mounting bracket. Fig 2 shows the **maximum** distance between the face of the drum wheel and the door mounting bracket. The ideal distance should be between 85-135mm.

### 1. CHECK OPERATION OF DOOR

Before beginning the installation of the Opener, check the operation of the door. The door must be well balanced and be in reasonable condition. It should stay open around 900mm to 1200mm above the floor. The door should not stick or bind in the guide tracks. The ideal operational effort in raising or lowering the door should not exceed a force of 20kg.

your selected side for installation the next step is to reverse the motor wires at the motor as per Fig 5

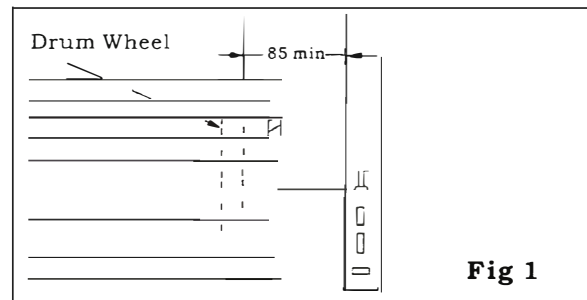


Fig 1

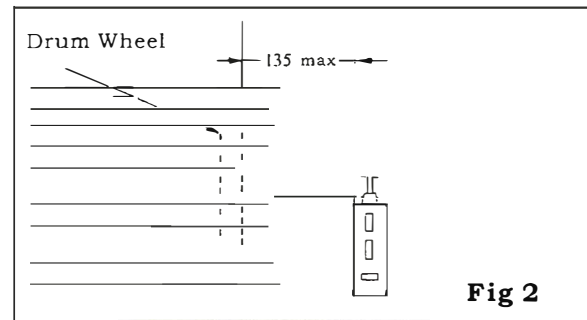


Fig 2

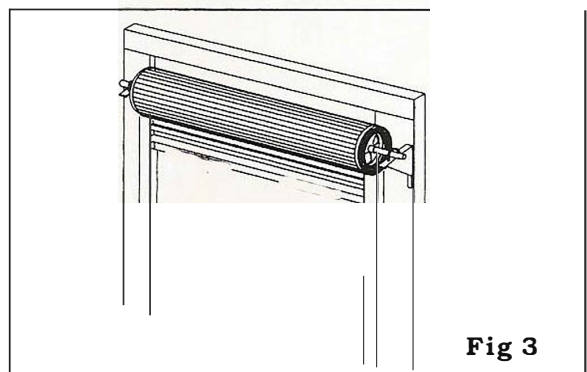


Fig 3

### LEFT OR RIGHT HAND INSTALLATION

The opener can be installed on the left or right hand side of the door. If your opener is to be installed on the **RIGHT HAND** side of the door (viewed from inside the garage, looking out) then go on to step 1 of Installation Instructions. See Fig 4 If the left hand side is

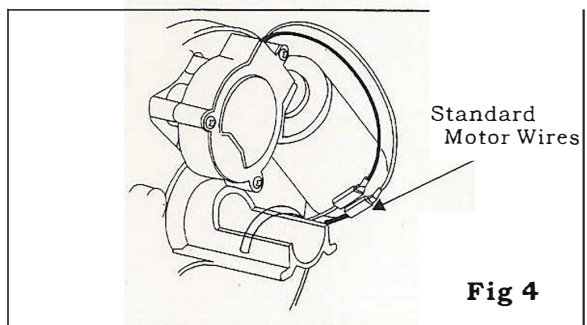


Fig 4

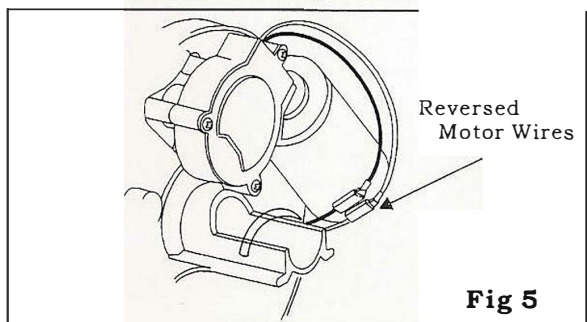


Fig 5

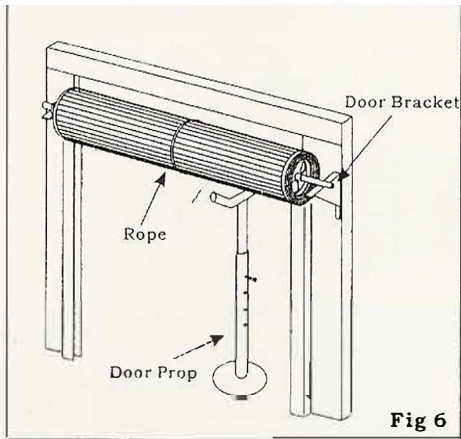


Fig 6

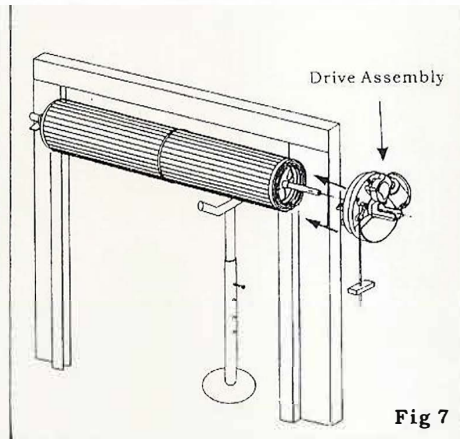


Fig 7

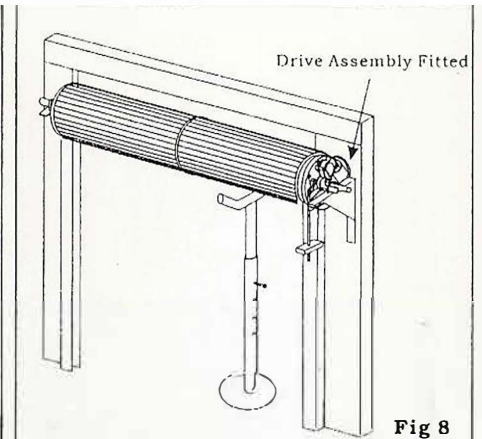


Fig 8

#### 4. FITTING DRIVE ASSEMBLY TO THE DOOR (RIGHT HAND INSTALLATION)

The door drive assembly can be fitted to the door in a variety of ways. Below we will describe one method of fitting. Make sure there is enough side room (135mm from end of door shaft to the wall) to slide drive assembly onto shaft. **PLEASE NOTE: THE INSTRUCTIONS FOR FITTING OF THE DRIVE ASSEMBLY TO THE DOOR ARE FOR RIGHT HAND INSTALLATION.**

- 4.1 Check that the door shaft U bolt is securely tightened on the left hand side of the door.
- 4.2 Raise the door out of the door guides and tie a rope around the center to secure the roll. Fig 6.
- 4.3 Support the right hand end of the door with a suitable prop, e.g. Step ladder and soft padding to protect door surface. Fig 7

**WARNING: DO NOT ALLOW CHILDREN/PERSONS NEAR THE DOOR DURING INSTALLATION. SERIOUS PERSONAL INJURY AND OR PROPERTY DAMAGE CAN RESULT FROM FAILURE TO FOLLOW THIS WARNING.**

- 4.4 Check that step 4.3 was completed. Carefully loosen and remove the right hand door shaft U bolt.
- 4.5 Make sure that the door supporting prop is secure. While the door is supported remove the right hand door mounting bracket from wall.
- 4.6 Remove the drive assembly from packaging. Try to rotate the drive gear by pushing the fork. If the gear does not rotate then manual mode has to be selected. To select pull the red handle downwards. The drive gear should now rotate.

## TECHNICAL SPECIFICATIONS

Input Voltage	220-240VAC 50/60 HZ - 137 w
Max Lifting Force	500N ± 5%
Door ● Opening Speed	17 cm/sec <
Running Noize	< 55 dB
Tem.Rang	+55° — -20°
Test Certificate	CE(European Test)

# ALARABIA LOCKS CO. AUTOMTAIC

## MAINTENANCE FACILITIES



## **MAINTENANCE FACILITIES**

The main motive of the company is to provide excellent quality products and excellent maintenance service by our skilled and experienced maintenance team, working round the clock to provide maintenance services to our customers immediately.

**The Maintenance Department comprises of:**

### **1. MAINTENANCE MANAGER**

#### **RESPONSIBILITIES**

1. Checking personally to make sure that all the maintenance teams do complete all the daily maintenances services allocated to them properly and faithfully.

### **2. MAINTENANCE SUPERVISOR**

#### **RESPONSIBILITIES**

1. To personally call all the costumers to make sure that they are present in their houses at the time of appointment allocated to them by maintenance coordinator so that the technicians can visit .
2. To make sure that technicians behave properly with costumers and reach the maintenance locations as per the schedule given to them by maintenance coordinator.

### **3. MAINTENANCE COORDINATOR**

#### **RESPONSIBILITIES**

1. To receive all the maintenance calls and gives appointments to the concern costumers for the maintenance technician's visit.
2. To prepare daily maintenance schedule for technicians going to visit the costumer's location.
3. To listen to the costumer's complaints carefully and give them accurate spare parts prices in case the product is out of warranty.

### **4. WORKSHOP IN CHARGE**

#### **RESPONSIBILITIES**

1. Repairing of damaged products and their spare parts.
2. Testing of all the repaired products to make sure that it is working properly.

## QUALITY CONTROL DEPARTMENT

ALARABIA LOCKS CO. is dedicated to providing to the costumers with the highest level of services and Product Quality possible. ALARABIA has shaped a team of versatile professionals to ensure the quality of installation, maintenance and services of International Standard to its all types of customers. We maintain the same Standard of installation, maintenance and other services, which our suppliers have, and they direct us to maintain the same by providing us all types of Technical Support. Besides they visit any of our executed or on-going projects, periodically to renew the franchiser ship. The renewal happens only if they find the standard of work is as per . their product specification and as per their International Standard Further, our Quality Control team which includes skilled Engineers and Technical Supervisors visit the sites personally to make sure that everything is as per the Standard Specification of the product. Such visits are done on daily basis. The visiting Quality Control Team or a person prepares a report of the site and submits it to the concern department for further analysis. This gives the costumer a high level of satisfaction as the report includes the costumer's substantial comments. The visiting team gives all the instructions about the . operation of the product and about the safety measures

*Our Motive*

**" TO DO THE BEST"**

*Our Belief*

**" TO ACHIEVE THE BEST"**

&

**"LEAD THE MARKET TODAY AND ALWAYS"**