

RDO MAX



Installation User Manual

RDO MAX

ROLL-UP GARAGE DOOR AUTOMATION

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WARNINGS AND CAUTIONS

**PLEASE READ THE FOLLOWING WARNINGS AND CAUTIONS
BEFORE INSTALLING OR USING THE PRODUCT.**

RISK OF ELECTRIC SHOCK AND/OR FIRE

DO NOT TOUCH ANY COMPONENTS WHEN POWER IS APPLIED

- **Read all instructions and warnings carefully before installing the product.**
- **Only qualified persons** should install the product.
- **Keep children and pets away** from the door and its remote controls at all times, especially while the door is operating.
- **Secure all remotes and access devices** to prevent unauthorized use or access to the door.
- **Before performing any work or maintenance**, disconnect the power and remove the batteries (if applicable).
- **Do not modify the product** unless expressly approved by the manufacturer.
- **Do not install the product** in environments with explosive gases or high moisture levels.
- **We recommend installing appropriate safety devices** such as IR beams to prevent injury or death from crushing if people or pets are in the curtain's path.
- **Always ensure the path of the door is clear** of people, pets, and objects during operation.
- **Never attempt to tension** the garage door spring. This must be done by a qualified installer.
- **Never short circuit** any wiring to or from this equipment.
- **Installers must instruct the owner/user** on proper system operation and how to handle emergencies. **These instructions must be passed on to the user.**
- The product is **intended only for the applications** described in this manual. Any other use voids the warranty. The manufacturer and its representatives accept no liability for resulting damages.
- **Ensure the manual override cord is always accessible.**
- **Ensure that the LINK cable is connected correctly** between the wall console and the motorized head unit.



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**NOTICE
REGARDING
BATTERIES**

This product contains lead-acid batteries, which may not be disposed of by way of regular household refuse. Please consult with your local authorities as to the safe procedure of disposal when the batteries are replaced or product disposed of.

**DO NOT DISASSEMBLE
BATTERIES! CORROSIVE**

Technical Support

For technical queries relating to use/installation of this product!



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Introduction

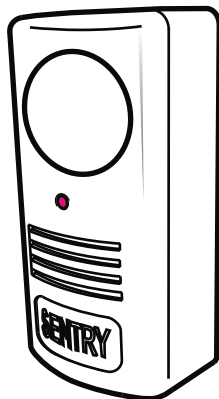
The **SENTRY® RDO MAX** is a 3rd-generation roll-up door automation product designed for domestic and light industrial applications.

The product is designed to fit most **Domestic Roll-Up Garage Doors** that have plastic or metal spool wheels. It operates by applying a rotational force to one of these spool wheels which then in turn opens, or closes the door curtain as desired.

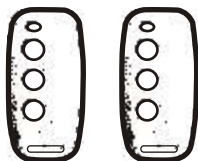
The **RDO MAX** system consists of two parts, one of which is the motorized portion, that drives the door, and fits inside the door curtain roll. This is known as the “head unit”. This part is controlled, electronically, from the wall console. The wall console contains the power source, and the remote control receiver and includes a courtesy light and a control button on the front cover. To keep wiring to a minimum, only a total of five wires are used between the units.

The system provides **limited battery back-up** for mains failure situations. Alerts are provided for both mains failure and low battery conditions. The system integrates a code hopping remote control receiver which is compatible with **SENTRY®** code hopping remote control transmitters. A maximum of **100 remote controls buttons** may be learnt into the system in total.

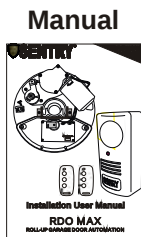
Package Contents



Wall Console
(With batteries fitted)



Code Hopping
Remote Control (2 pcs)



Manual

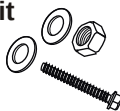
Manual release
Lanyard



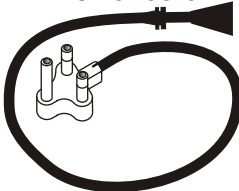
LINK cables
(Connected to
Motor Head)



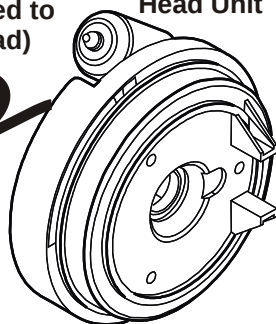
Securing bolt
kit



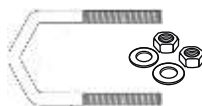
Power cord



Motorized
Head Unit



Masonry anchors
(4 pcs 6x60)



V-bolt mounting kit

IMPORTANT - PLEASE READ THIS SECTION CAREFULLY TO ENSURE THAT THE DOOR YOU INTEND TO AUTOMATE, MEETS THE REQUIREMENTS FOR SUCCESSFUL AND TROUBLE-FREE OPERATION!

Door Brands

This product is designed to operate, primarily with common types of **Domestic Roll-Up Door makes and models** found in the South African market. Other types are suitable, provided they meet the criteria listed below.

Door Type

In general, the **RDO MAX** is designed to operate the standard low-cost roll-up doors commonly used in domestic applications- doors which are fabricated from thin laminated steel or aluminium. It is not recommended for use with the 1970's era heavy steel roll-up type doors, which are much heavier than the common roll-up door types.

Door Sizing

The **RDO MAX** is designed to drive a single door by itself. For particularly wide doors, the product must be installed in the centre of the door, by fitting an additional adapter wheel. It is not possible to fit two motor head units to a single door. The height of the door is not a factor, therefore, standard height doors as well as "caravan doors" are suitable candidates for this product.

Door Condition

The condition, and quality of the installation of the door plays a **MAJOR role** in whether the installation of this product (or any other garage door automation product) will be successful or not. Common problems that cause this product to fail, either immediately, or after some time include:

Doors that are not true- These are doors that are installed skew, leading to the formation of gaps at the bottom when the door is fully closed. The **RDO MAX** does close the door completely to the floor but it was **not** designed to drive the door curtain into the floor to seal against flooding etc...

Doors that are not balanced- These are doors that, although they appear to be light to move by hand, either suffer from tight spots during travel, or get stiff in cold weather. The **RDO MAX** can compensate to a large degree, for cold stiffness but beyond this, will consistently go into over-current to protect the motor.

Doors that are too light- A frequent problem is a door that is too light, causing the door to unravel at the top, when closing. In these cases, it is necessary to add weight to the bottom of the door, in the form of a steel bar or angle iron. Doors that are too light also cause the system to exhibit various symptoms. These symptoms include moving short distances, stopping shortly after opening, etc..

Door Types and Considerations

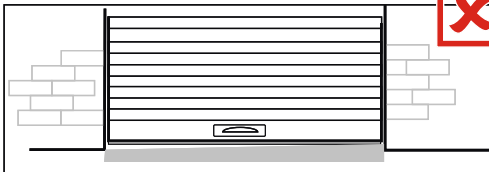
Doors with bent take-up spools- These are doors with bent spools, that pull the head unit's driving wheel proportionately skew. The product suffers damage and exhibits all kinds of fault conditions, most commonly that of moving short distances.



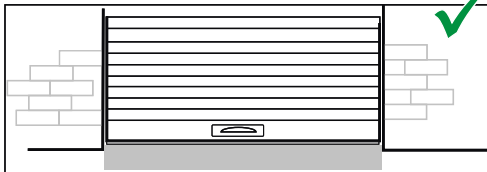
Never attempt to adjust the spring coil on the garage door. This must only be done by a qualified garage door installer.

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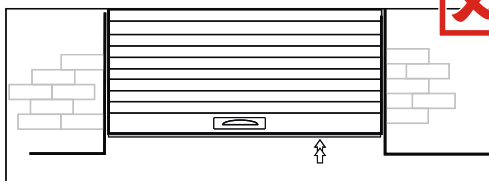
Door Condition Checklist



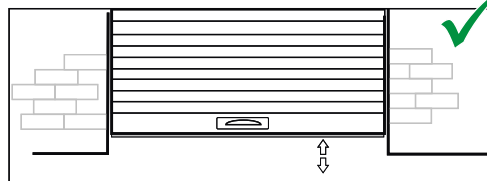
Uneven Floor / Door Mounted Skew



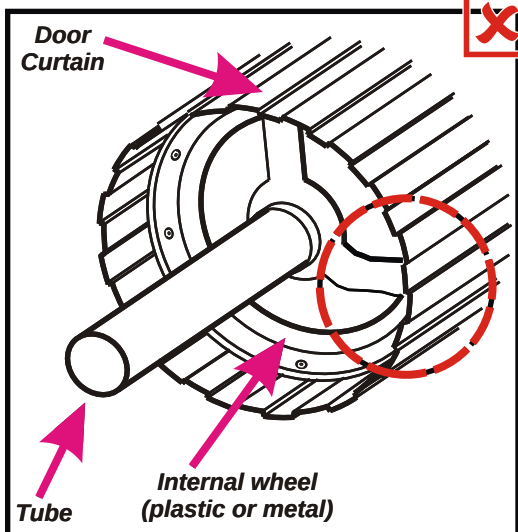
Door lands flat on floor and doesn't recoil



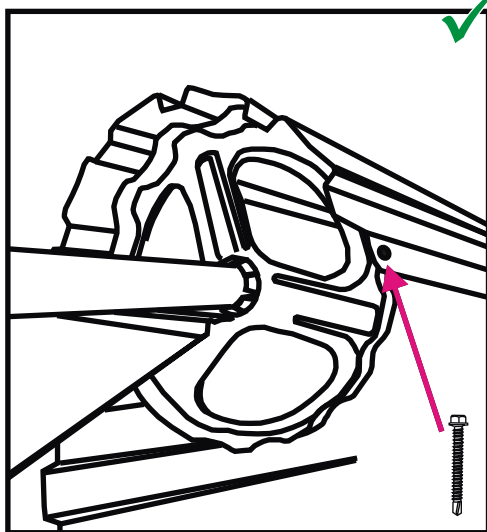
Unbalanced door (tends to open by itself due to over-tensioned springs)



Door equally easy to lift, or to pull down



Bent, warped, or skew spool wheels
This causes damage to the product and is very common on badly installed doors and/or very cheap doors!!



The start of the door curtain must be affixed at the end, to the door spools using a tek screw. This helps prevent problems and also secures the door better against intrusion



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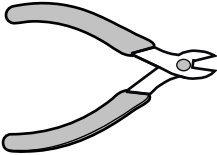
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Required Equipment for Installation

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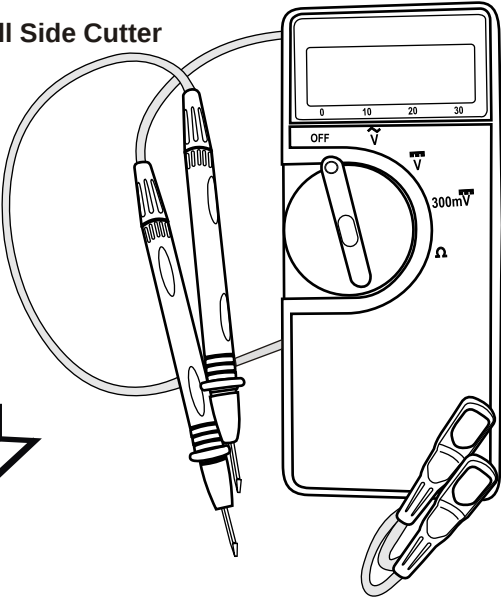
Philips screwdriver & Flat screwdriver



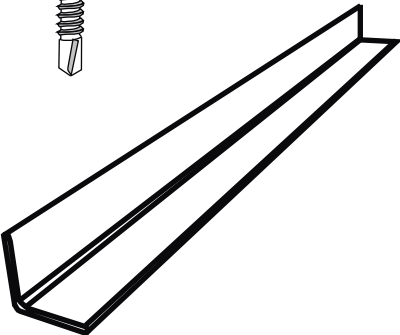
Small Side Cutter



Tek Screws



Multimeter



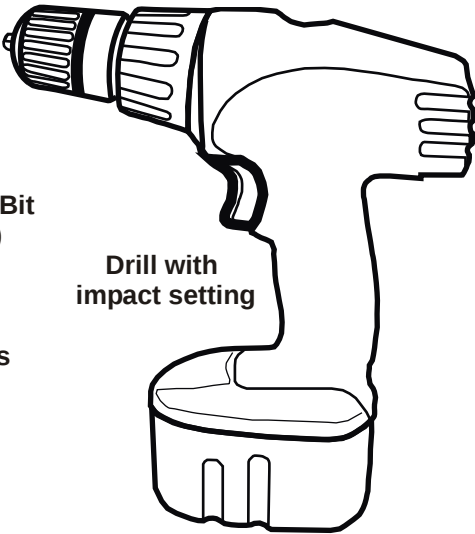
Length of Angled Steel
(Used to secure the bottom of the door and additional weight.)



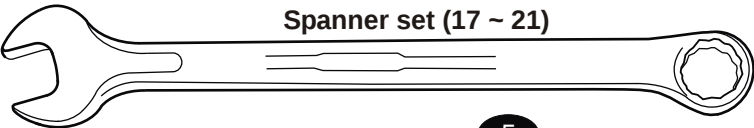
Masonry Drill Bit
(6 ~ 6.5mm)



HSS Drill Bits
(6 ~ 10mm)



Drill with impact setting



Spanner set (17 ~ 21)



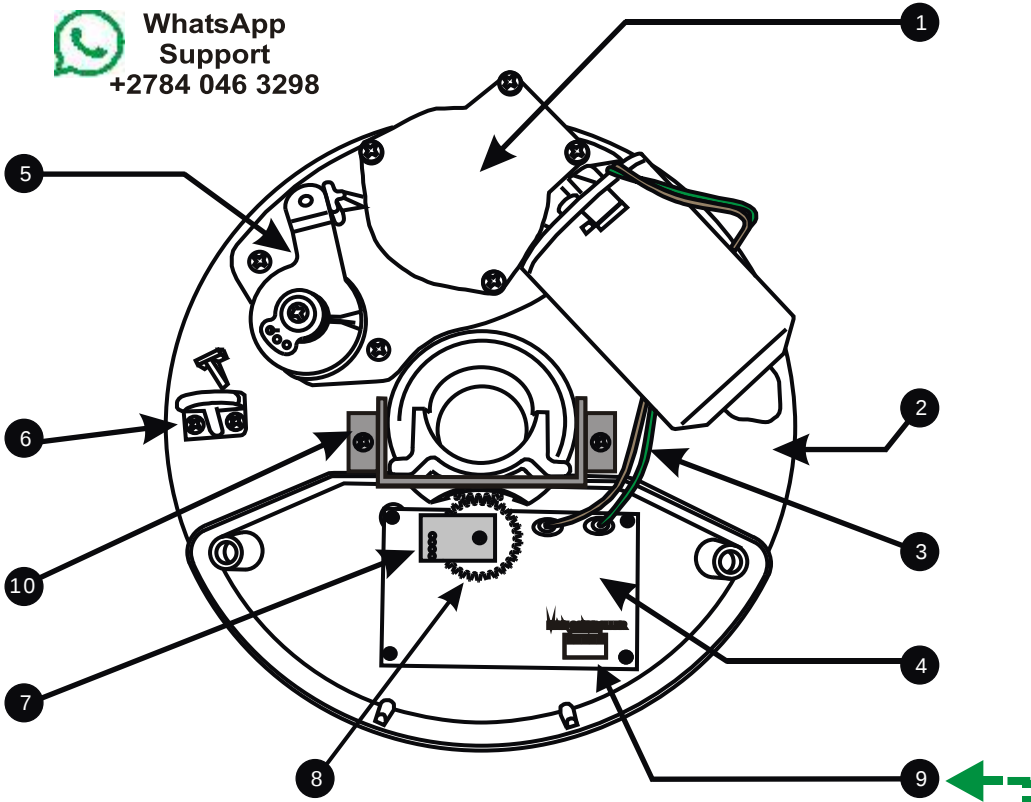
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Shown with cover removed

1. DC Motor

2. Plastic unit housing

3. Motor wires (Supplied Connected)

4. Head unit controller PCB

5. Manual Override Engage/disengage lever
6. Manual Override lanyard guide

7. Optical Pick-up

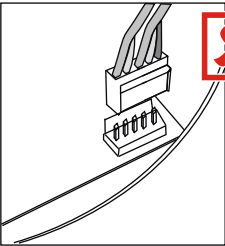
8. Optical encoder gear

9. LINK cable connector (Supplied with LINK cable connected)

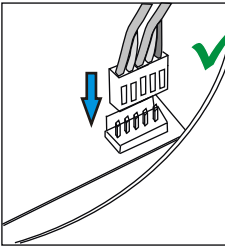
10. Support bracket for V-Bolt.



THE LINK CABLE (5 CORE) CAN ONLY GO INTO THE PCB IN ONE ORIENTATION WITH THE RELEASE TAB FACING UPWARDS. FORCING IT IN ANY OTHER WAY WILL CAUSE DAMAGE TO THE PRODUCT AND MAY LEAD TO BURNS AND/OR FIRE FROM THE RESULTING SHORT CIRCUIT.



WRONG



CORRECT

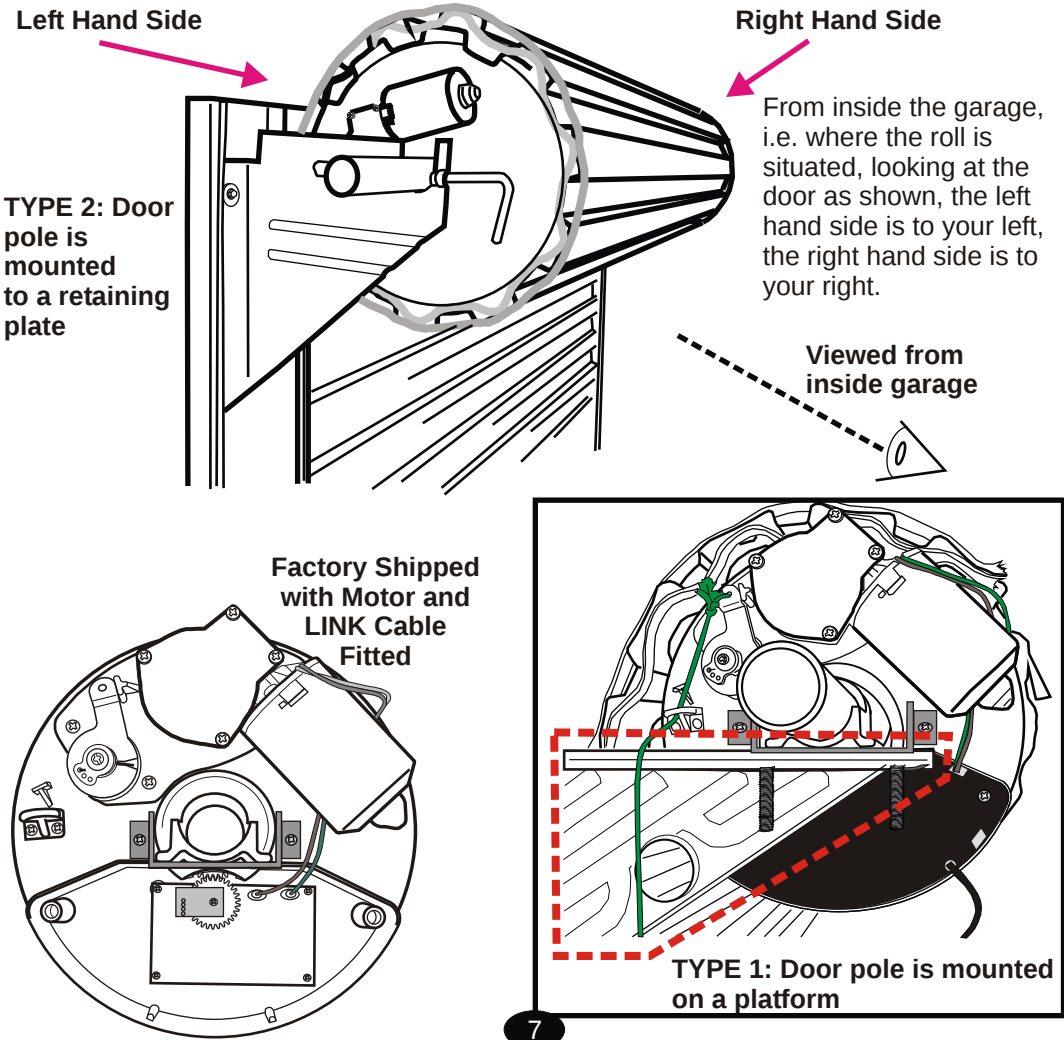
Motor Head Unit Installation

The following sections detail how to install the motor head onto the door. Please pay special attention to the various aspects of installation as failure to do so will lead to product failure and/or malfunction.

In general, two types of door design exist, the first type is where the door pole is mounted on a platform (**TYPE1**). The second, more common door type are those doors consisting of a retaining plate (**TYPE 2**). Both types will be covered in the following sections.

In all cases, you will need to loosen one end of the door, and re-balancing might be required once the motor is fitted.

The motor may be mounted either side, where space permits.

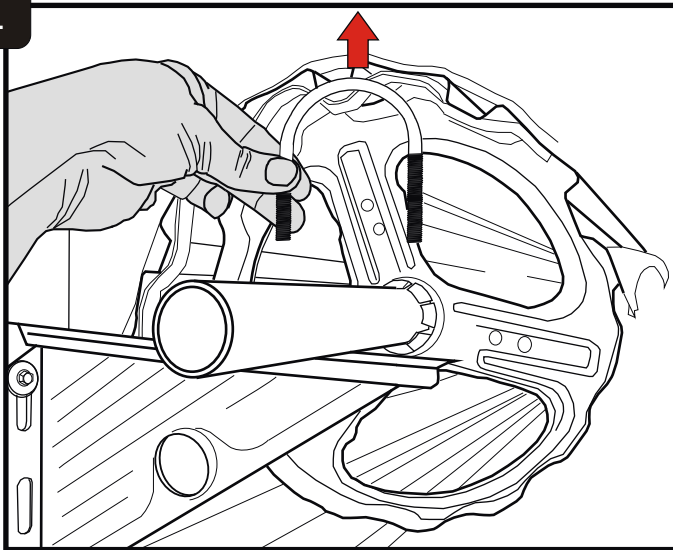


Motor Head Unit Installation

Once you have determined where you would like to install the motor, and have changed the motor wires accordingly (if necessary) the next step required is to loosen the desired end of the door. The tube is moved away from the door support so that the motor can be slipped onto the tube.

Some doors, are platform mount doors i.e. the tube rests on platforms to which it is affixed with u-bolts. Many other doors have different types of fixing systems, but the principle remains the same.

1



Loosen and remove the existing u-bolt completely.

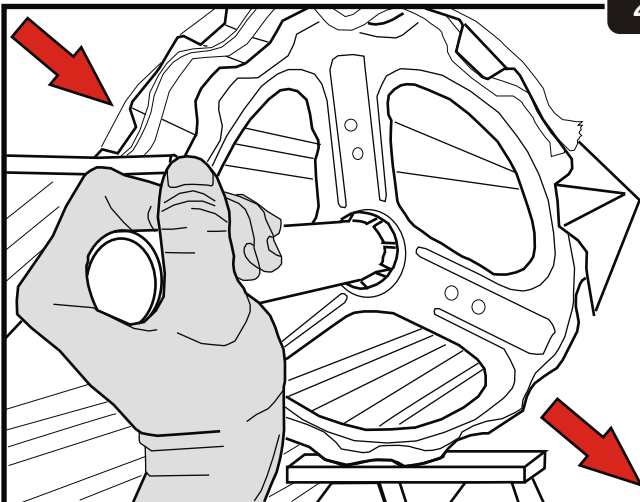


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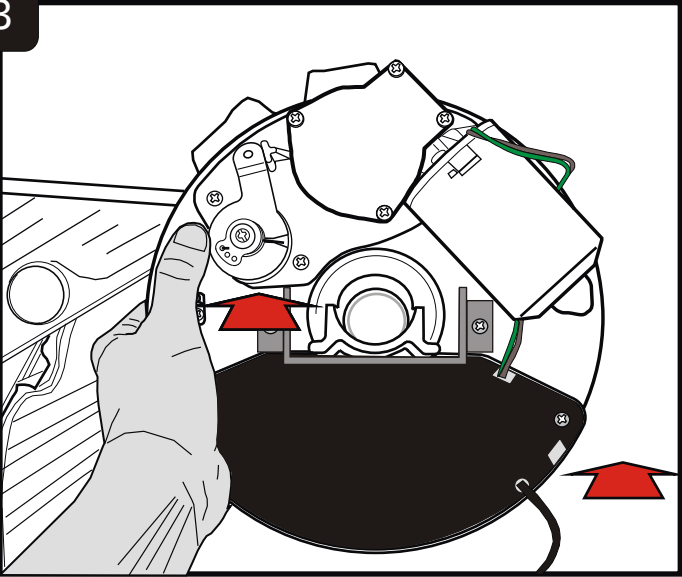
2

Lift tube off from the platform and away from it and lower downwards as shown. Support using a trestle or scaffold, ensure enough space to fit motor.

Note: Other types of doors do not have platforms but side panel brackets, the procedure is the same, lift the tube off the bracket and support it as shown.

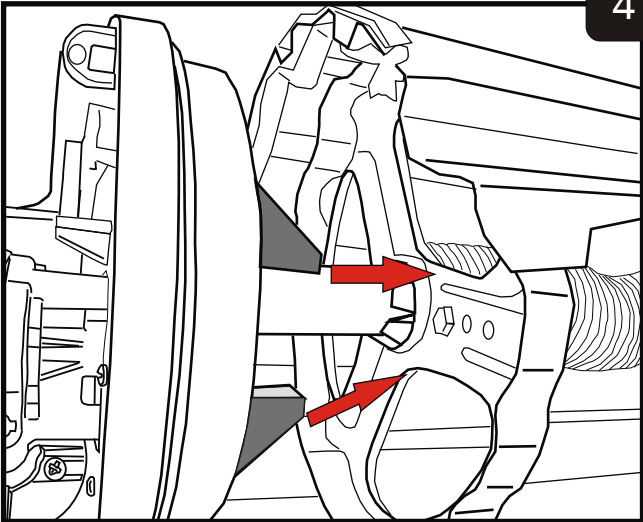


3

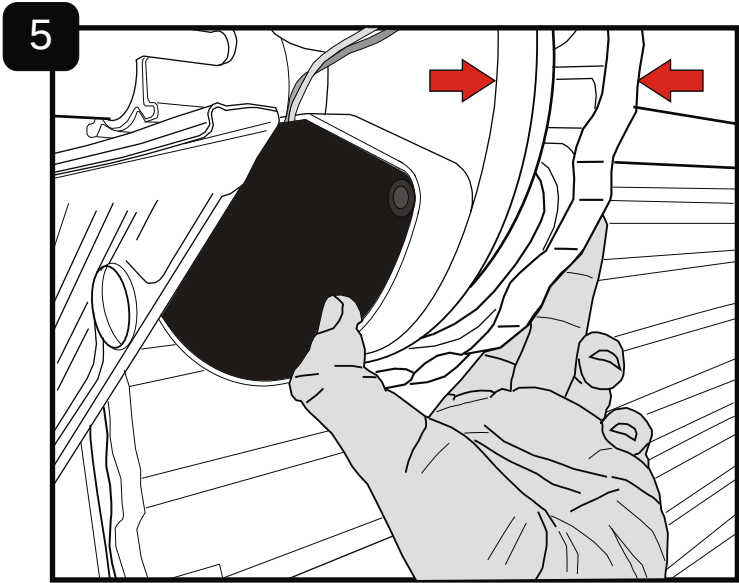


With the motor gearbox disengaged, push the motor onto the tube until it is supported on the tube. Do not yet push it against the spool wheel.

With the motor head unit on the edge of the steel tube, align the two drive hooks on the driving wheel, so that it will brace against one of the spokes of the spool wheel.



4



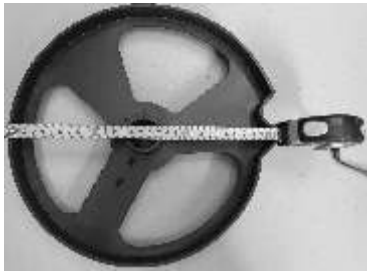
With the two drive hooks aligned as shown in the previous step, gently press the motor and the spool wheel together as shown. The motor must fit snugly against the spool wheel. Lift the door tube back onto the platform, the stem of the motor unit resting on the platform.



WARNING: if it does not fit, do not force it, instead acquire an adaptor wheel and fit it to the door, or replace the spool wheel with a SENTRY® adaptor wheel.

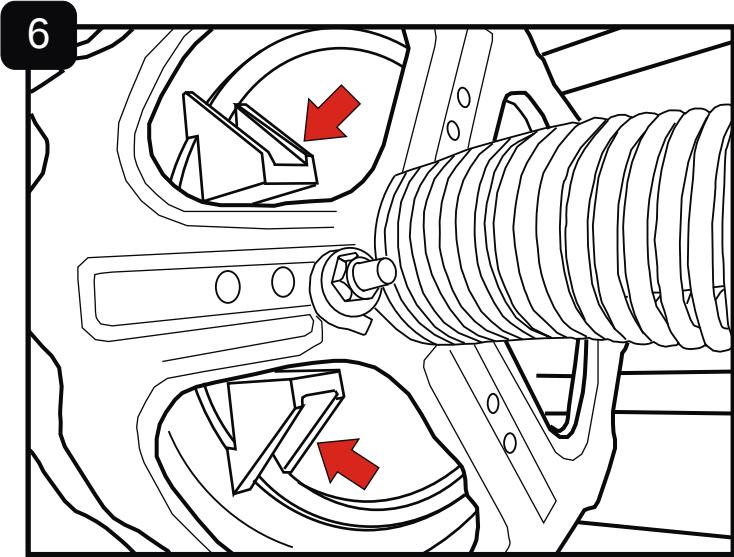
The drive hooks are critical items and must not be damaged in any way due to being forced to fit, or by being machined. This could lead to product failure, resulting in potential injury, and damage to property. Machining of the drive hooks and/or damage to them will render the warranty null and void!

An acceptable alternative approach, is to machine material off the spoke to allow enough clearance for the drive hooks. **Please be aware that there is a limit** to how much this can be done, and in any case, a retrofit of an adaptor wheel is always recommended.



SENTRY®
Adaptor wheel
±31cm standard





Looking at the opposite side of the motor, that is, from the driving wheel side, ensure that both drive hooks fit snugly as shown in the above diagram.

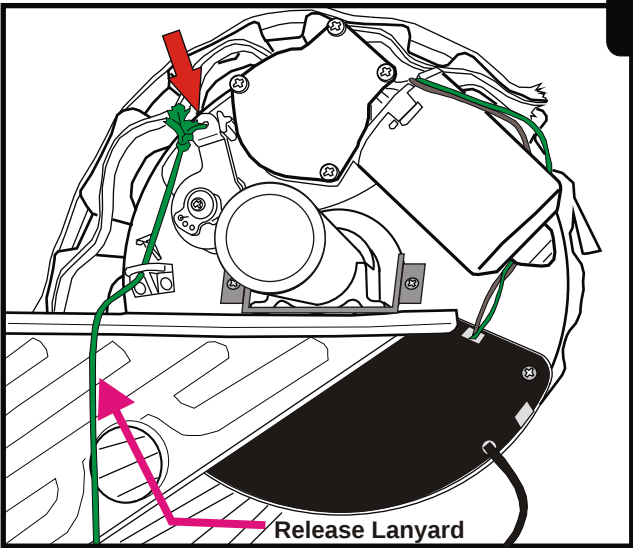


The maximum amount of clearance between the surfaces of the spool wheel and the drive hooks is approximately 1.5mm. Too much free play on either or both drive hooks, will cause product malfunction (false collisions and stopping short)

Reposition the tube, as shown here, on the platform, ensuring it is in the same position when you removed it originally.

Attach the supplied release lanyard to the release pawl and route the nylon lanyard as shown in this diagram.

! Caution: ensure the release lanyard is clear of the door curtain edge at all times. Route the cord in a manner that is kept clear of the door curtain.

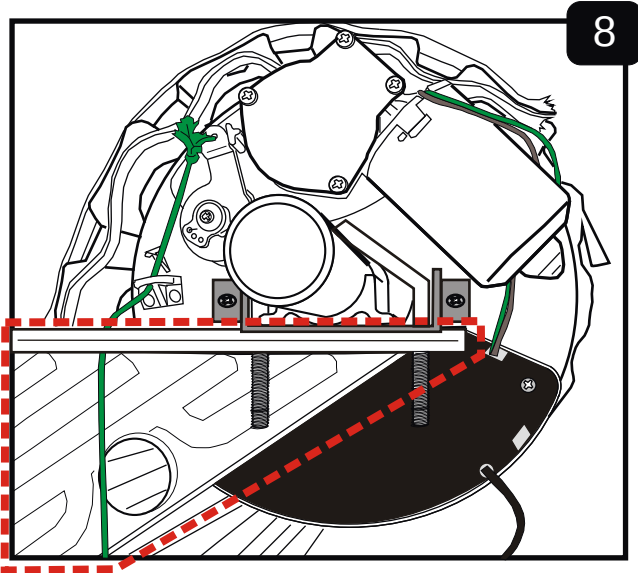


Tightening the motor and tube assembly

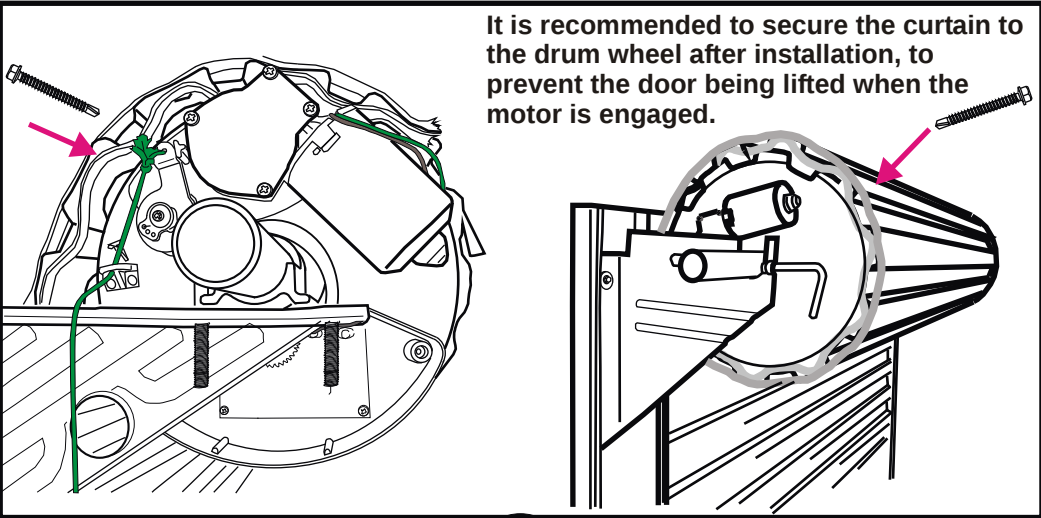
For platform type, replace the original u-bolt, washers and nuts and replace it with new V-Bolt, washers and nuts.

For other types of doors, you will need to use the supplied V-bolt and secure it to the head unit and garage shaft.

Install and tighten the V-bolt as shown alongside. Be sure to tighten the V-bolt nuts sufficiently so that the stem of the motor unit is clamped securely, and cannot slip sideways off the platform. It may be necessary to fit washers beneath the nuts to achieve optimal tightness.



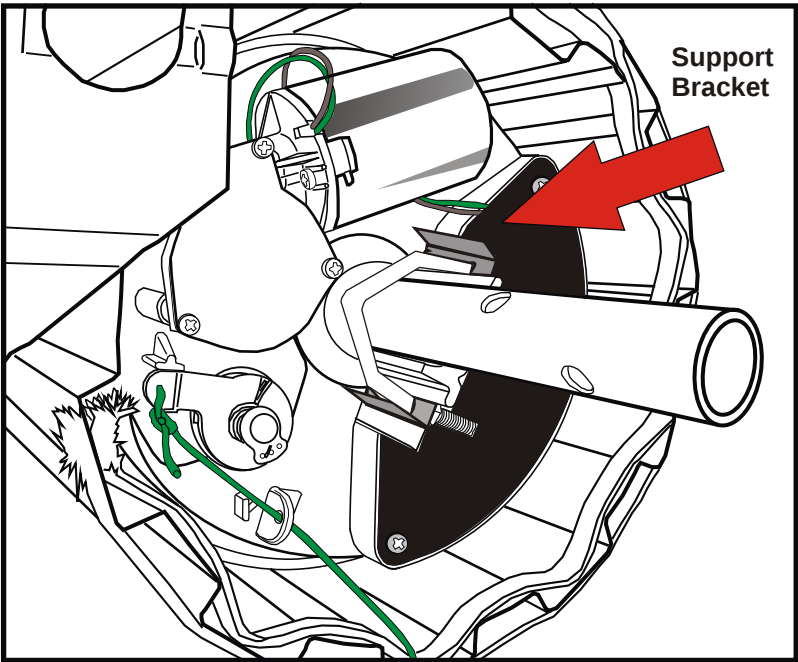
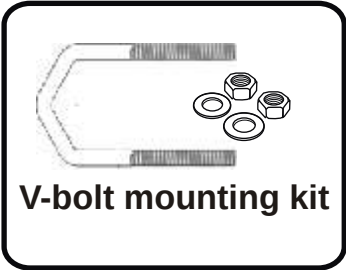
Once the motor is attached to the door, the V-bolt may be fastened. With the motor disengaged, the door needs to be checked for balance, and if necessary, adjustments made. Additionally if the door is light, it will be necessary to add weight at the bottom, using a length of angled steel as listed under "Required Equipment"



Tightening the motor unit on a door with NO side plates

For NO side plate doors, the RDO MAX must be installed using the Support Bracket, which is fitted to the motor head, in conjunction with the supplied V-bolt and retaining bolt to firmly secure the motor head to the pole.

This is the only approved installation method. Failure to follow this exact configuration will lead to product failure, which will not be covered under warranty.



The above figure shows how the V-bolt fits over the tube, and restrains the motor unit to the tube, without reliance on a platform or interfering with the side plates.

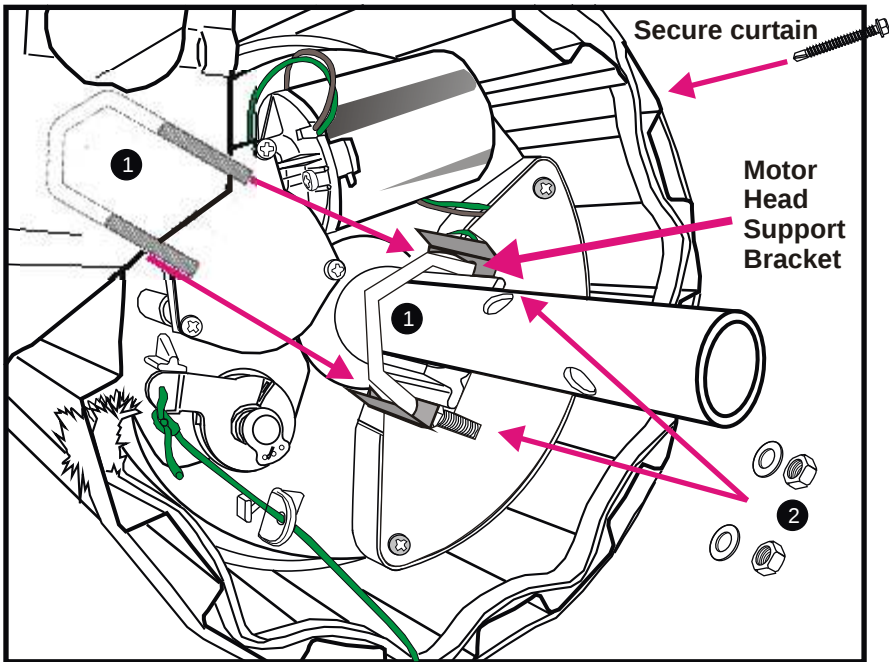
The motor can be mounted, on these kinds of doors, in any position. Generally the position is chosen to best permit the routing of the power cable and the release lanyard.

On the next page, the sequence to assemble the V-bolt is shown.



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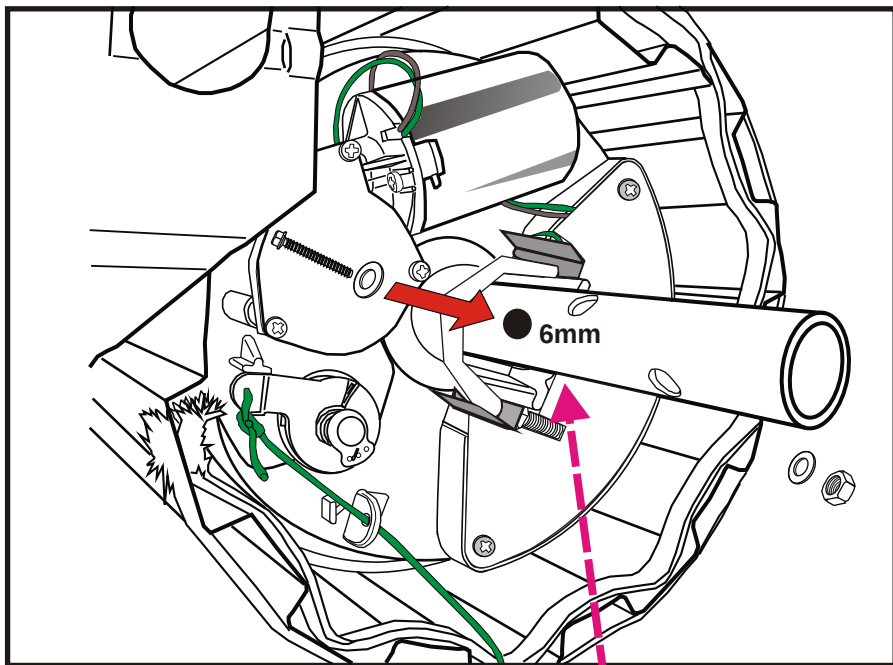


Step 1 - Fit the V-bolt over the motor unit stem and through the support bracket slots, as shown.

Step 2 - Secure the V-Bolt to the support bracket using the washers and nuts provided.

DO NOT OVER-TIGHTEN

Once the motor is attached to the door, the tube may be reinserted into the bracket and the steel retaining pin replaced. With the motor disengaged, the door needs to be checked for balance, and if necessary, adjustments made. Additionally if the door is light, it will be necessary to add weight at the bottom, using a length of angled steel as listed under "Required Equipment"



To further secure the motor head to the garage shaft:
Drill a 6 mm hole through the hole in the motor head support bracket and through the garage shaft. Secure it using the supplied bolt, nut, and washers.

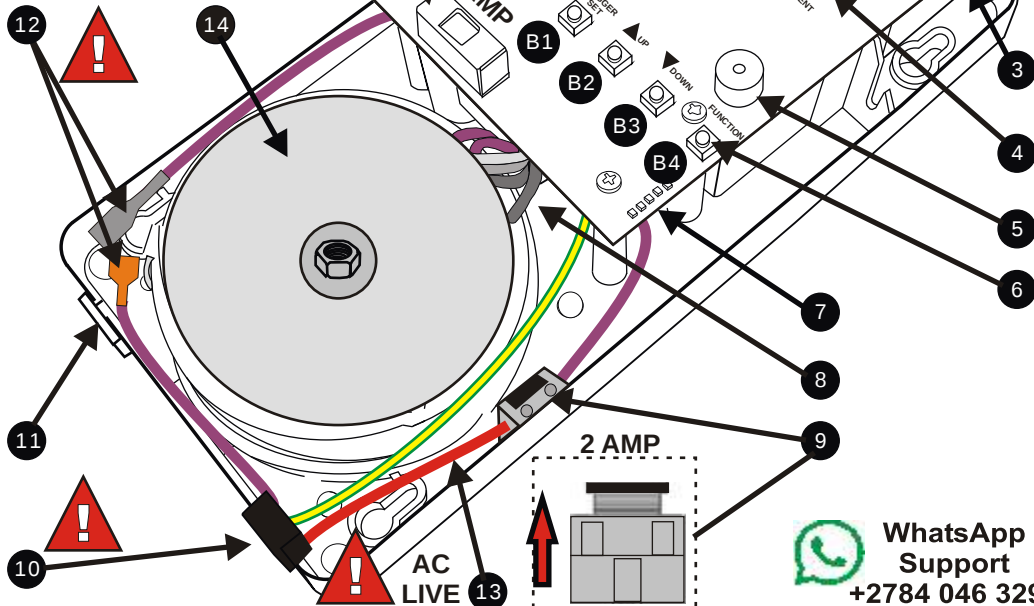


Component Detail - Wall Console

Shown with cover removed

ENGLISH

AC NEUTRAL

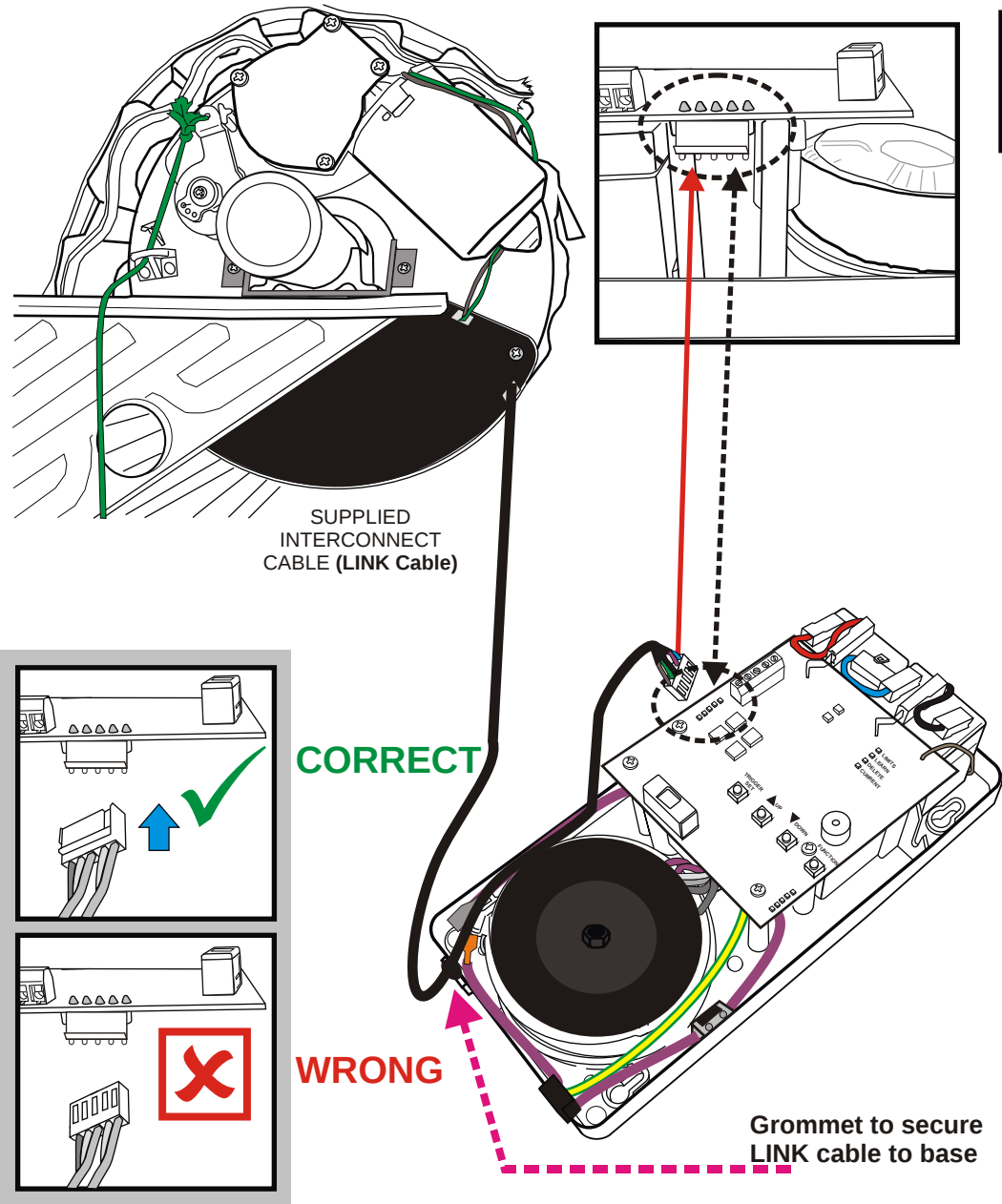


- | | |
|--|---|
| 1. Lead-acid battery (12V 1.3Ah x 2) | 10. AC Mains connection |
| 2. Battery interconnects | 11. LINK Cable mounting slot |
| 3. Remote receiver antenna lead (BROWN) | 12. AC NEUTRAL wire connection |
| 4. Function LEDs | 13. AC LIVE wire |
| 5. Buzzer | 14. Toroidal transformer with mounting hardware |
| 6. PROGRAM/ TRIGGER buttons | 15. Main board fuse (10Amp) on PC board |
| 7. Transformer connector | 16. LINK Cable connector |
| 8. Transformer wiring loom (4 cores terminated onto connector) | 17. Auxiliary connection terminals |
| 9. Mains fuse holder (2Amp) Linked to AC LIVE | 18. LED Courtesy Lamp |
| | 19. STATUS LED |

B1: TRIGGER/SET button
B2: UP button
B3: DOWN button
B4: FUNCTION button

The product is supplied without the power and LINK Cable not fitted to the wall console. The leads are to be plugged into the wall console PC board as shown on **Page 6**.

TAKE CARE WHEN REMOVING OR REPLACING THE COVER OF THE WALL CONSOLE, OR DURING TRANSPORTATION AS DAMAGE COULD RESULT TO THE LED COURTESY LAMP 17



Locate the five pin header on the underside of the wall console PCB as shown above. Plug the end of the **LINK cable** into the receptacle. The moulded grommet, on the cable is designed to slot into a mating receptacle in the base of the wall console as shown above.



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Wall Console Installation

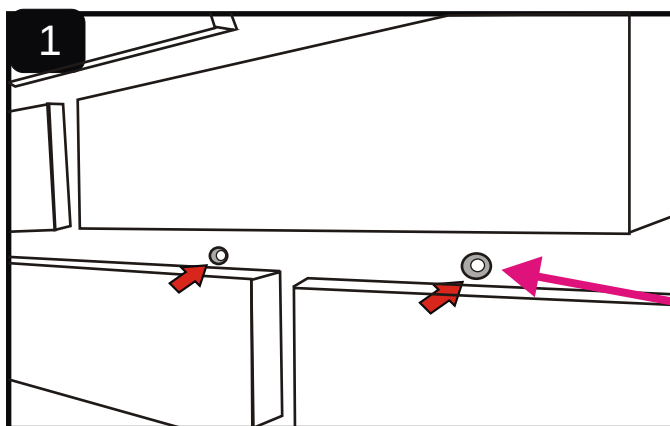
The wall console is designed to be affixed to any surface using a variety of screws. Four keyhole style mounting holes are provided in the base of the wall console for easy mounting on a variety of surfaces. In most cases the unit will be affixed to a wall, and the four supplied masonry wall anchors provided, should be used.

Mounting Distance From Motor Head Unit:

The cable connecting the Motor Head Unit to the Control Panel must not be altered under any circumstances. This cable length is factory-set to ensure correct operation of the **RDO MAX**. The Control Panel must therefore be mounted within the allowable distance from the Motor Head Unit.

Mounting Considerations:

The wall console should be mounted in a location that is dry and not subject to moisture. It should also preferably be mounted at a convenient height, but not too low as this would affect remote control reception. Mounting on or near very large metal structures should be avoided.



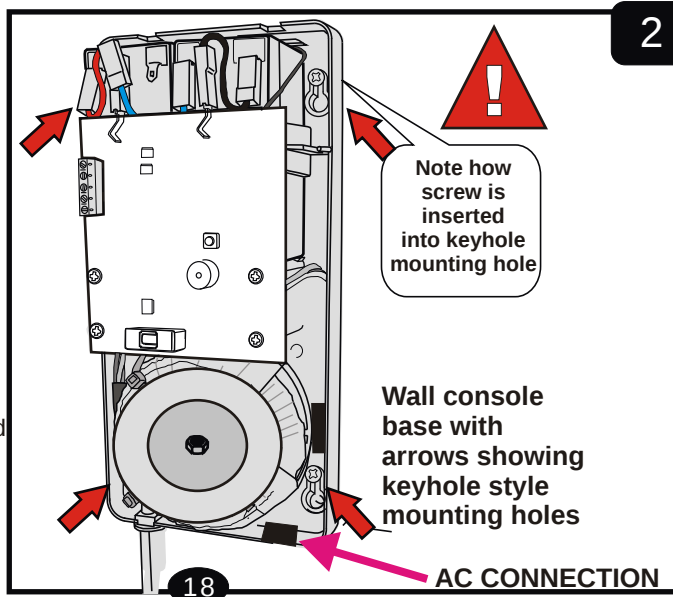
For typical masonry (brick wall) mounting, it is recommended to install the nail in anchors as shown.

The plastic sleeves are inserted into the wall first after being drilled with the hammer drill.

Once the sleeves are inserted into the wall, the wall console may be mounted onto the wall.

! Be careful when inserting the steel screws, do NOT hammer them in, use a screwdriver (or cordless screwdriver) to gently screw them into the wall.

Once the wall console is mounted, ensure that is secure and cannot be pulled from the wall or mounting surface.

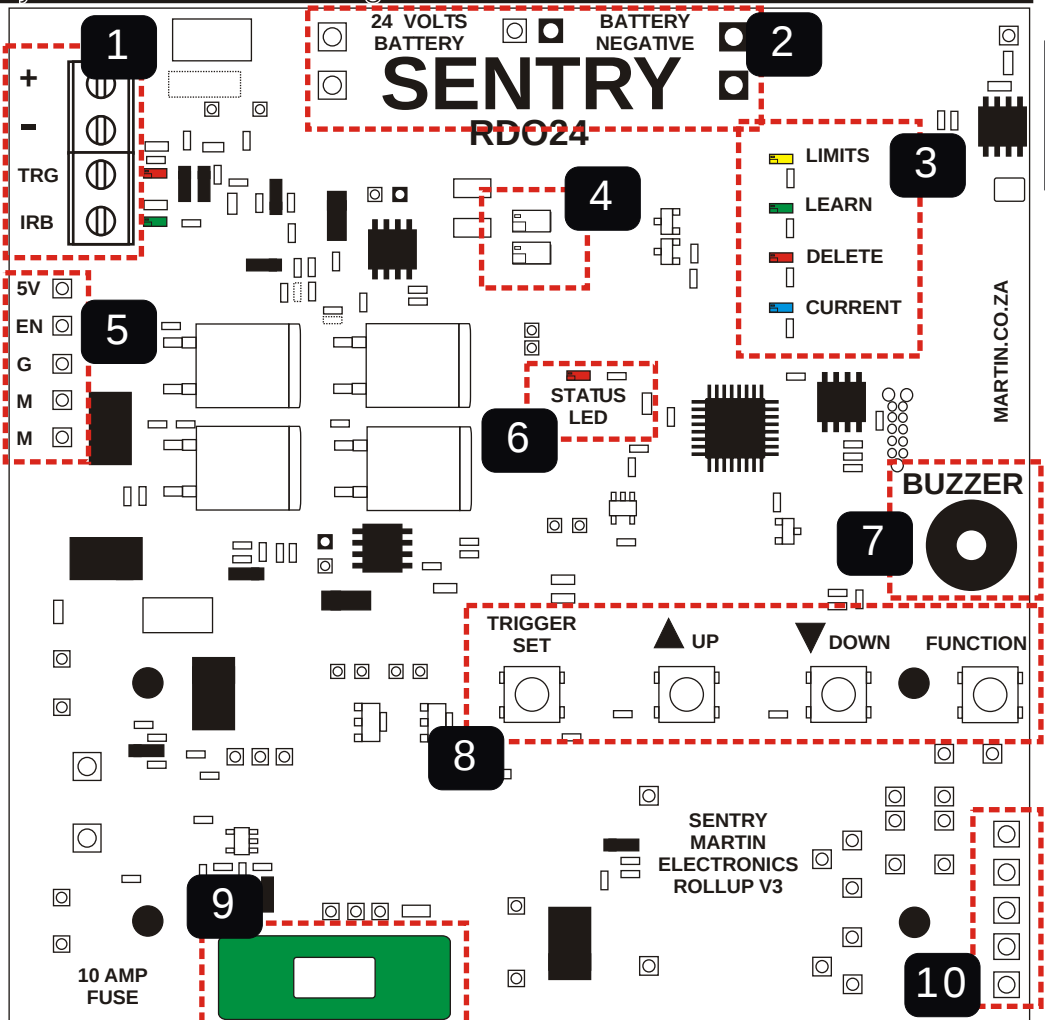


Note how screw is inserted into keyhole mounting hole

Wall console base with arrows showing keyhole style mounting holes

AC CONNECTION

System Commissioning - Control PC Board



Control Panel Overview

- 1. Auxiliary Terminal Input:** 24V DC output, including trigger and safety beam inputs.
- 2. Battery Terminal Connection:** Positive (+) and negative (-) connections for battery backup.
- 3. LED Indicators:** Used during programming and for system status indication.
- 4. Courtesy Light:** Illuminates when the motor is triggered and switches off after approximately 30 seconds.
- 5. LINK Cable Connection:** Connects the motor head unit to the control panel.
- 6. Status LED:** See Page 26
- 7. Buzzer:** Provides audible feedback during operation and programming. Can be enabled or disabled.
- 8. Program / Trigger Buttons:** Used for programming functions. The [TRIGGER SET] button is also used to open/close the garage door.
- 9. Fuse 10A (5 × 20 mm) fuse** for circuit protection.
- 10. Toroidal transformer Connection**



System Commissioning Procedure

This section explains the steps to be followed to commission the **RDO MAX** post fitment and installation on the door. Commissioning involves powering the system for the first time, programming the limits, as well as additional electrical connections as may be required for some applications.

Standard Installation

In most cases, the **RDO MAX** will be installed in a stock-standard configuration without any ancillary systems attached (beams or external receiver). If this is the case, you can proceed directly to the section “Powering Up (page 23)”

Enhanced Installation

The **RDO MAX** supports the use of safety beams to prevent injury to persons who are likely to come into the path of a closing door. The use of a beam also offers peace of mind when a door is likely to be triggered whilst a vehicle is moved in or out of the garage.



The use of a beam is MANDATORY when the Auto-Close feature is enabled! Failure to install a beam when auto-close is enabled can lead to property damage and/or injury from a door that starts without warning. The Auto-Close function will not operate if no safety beams are detected.

In addition to beams, the **RDO MAX** also supports the use of other external devices like, **remote control receivers, GSM/ Wi-Fi modules or an external wall mounted button**, as may be necessary in some installations (particularly when a compatibility issue arises and the existing systems cannot be migrated to a **SENTRY®** remote control product).

Enhanced Installation Detail

The following sections explain electrical and other details pertaining to enhanced installations

Using an external receiver, GSM/ Wi-Fi modules or an external wall mounted button with the RDO MAX

The **RDO MAX** accommodates most any types of external devices and provides a convenient power source, which should be mounted externally to the wall console. The wall console provides a 24V DC supply for ancillary items, therefore it is important to ensure that the device you intend using, can operate from 24 volts. Most third-party devices are able to operate from a 24 volt supply.

The device you intend to use, must have a normally-open potential free relay contact. Devices that output a “logic level” are not suitable.





System Commissioning - Trigger Input (TRG)

CONNECTING THE TRIGGER INPUT (TRG)

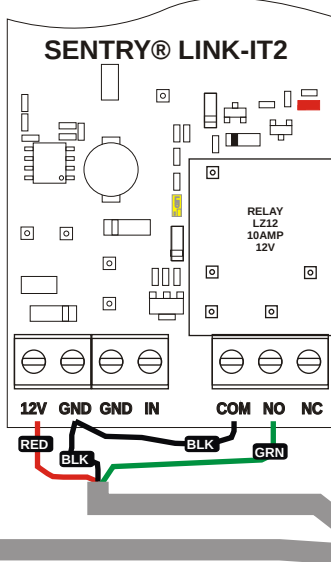
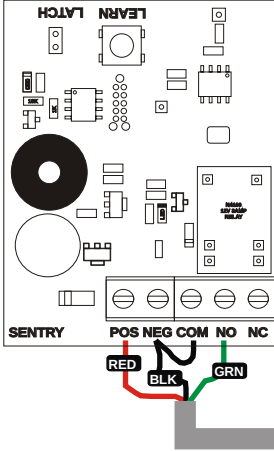
ENGLISH

GSM

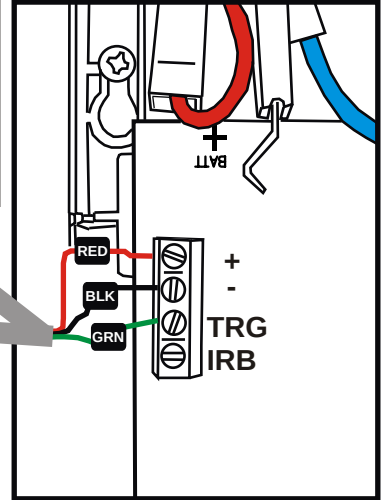


WhatsApp
Support
+2784 046 3298

RECEIVER

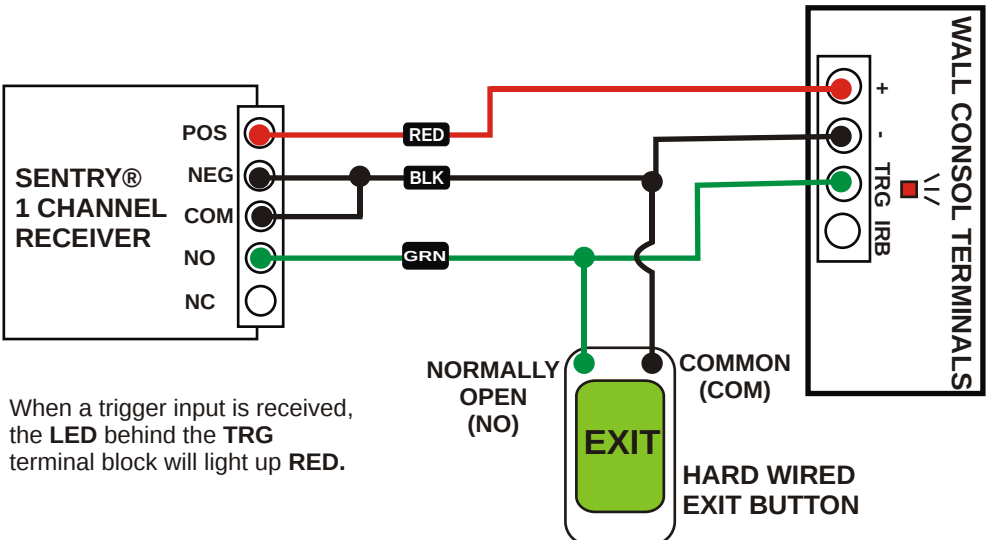


Close up of wall console Ancillary terminals



Cable: 4 core "comms" cable

Note: That the common (**COM**) of the relay contact on the receiver is connected to the negative (**NEG**) terminal of the receiver, therefore only three wires are needed.



When a trigger input is received, the **LED** behind the **TRG** terminal block will light up **RED**.



Ensure that the receiver you intend to use, can operate from a 24 volt DC supply.



ENGLISH

ENGLISH



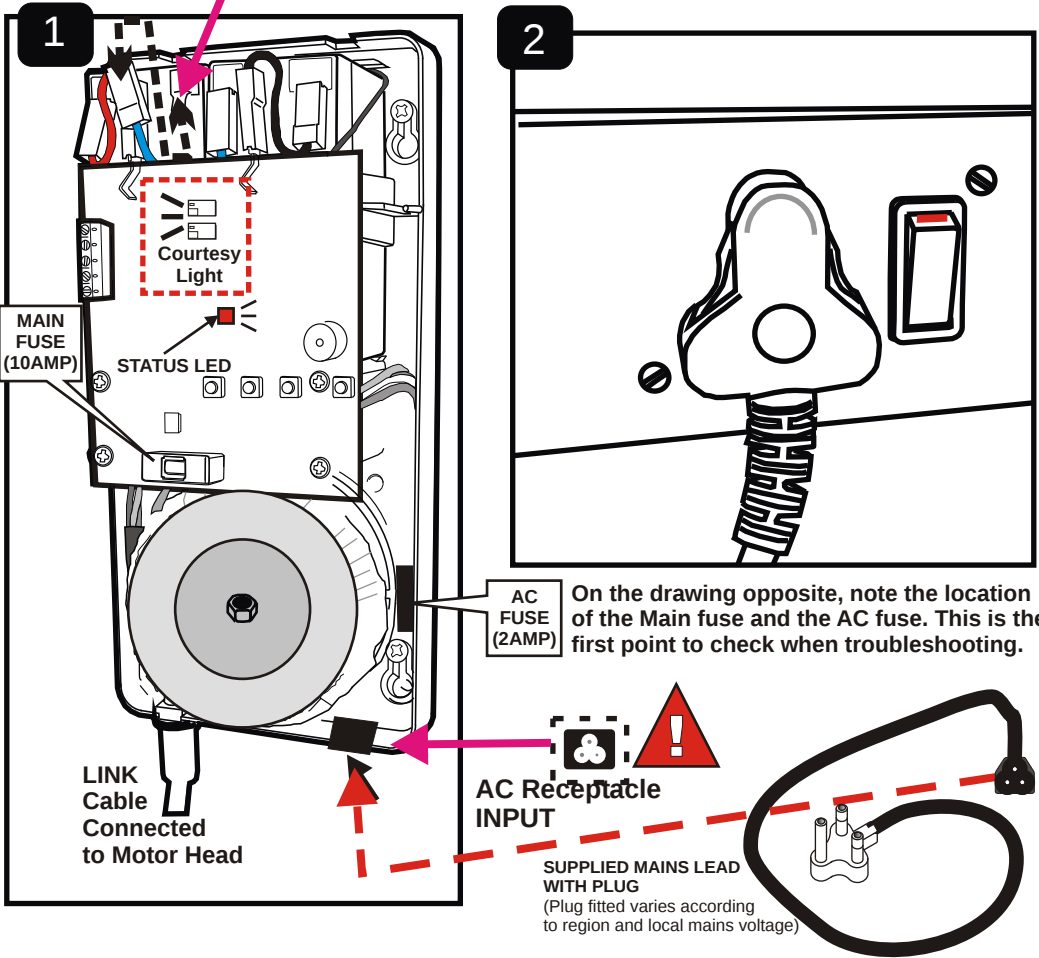
System Commissioning - Powering Up

Once installation is complete, and, if applicable, the connections to beams and/or an external receiver has been made, the system can be powered up by connecting the batteries first (linking the terminal as shown below) and then by plugging in the mains lead into an outlet and turning it on.

Powering Up

1. Connect the batteries by connecting the loose terminal, to the battery as shown.
2. Plug the mains cable into the AC receptacle below the control panel. Then plug the mains lead into a wall outlet and switch the power on.

Battery Connect



When power is applied (battery or AC), the system will emit three high-frequency beeps and the **STATUS LED** will flash three times, the courtesy light will also illuminate indicating successful power-up.

STATUS LED SOLID ON: AC Mains is connected.

STATUS LED 2 FLASHES (every few seconds): AC Mains disconnected, running on battery.

DOOR SETUP

Before the garage door operator can be used, the door travel limits must be programmed. This can be done in **Three Ways**: two automated methods that require minimal user input, and a third method that allows for manual setup.

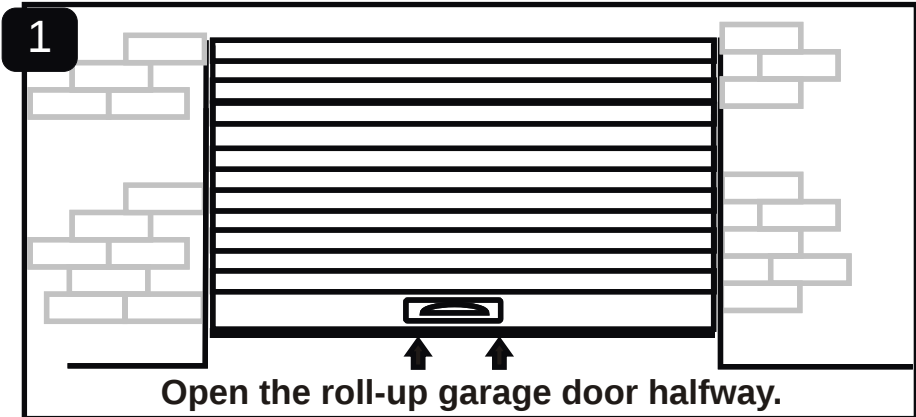
Once the system has powered up correctly and all cables connected, the limits can be programmed by following the procedures outlined in the sections below.



In the factory shipped state, the system will only accept a Limit Setup command, all triggers are ignored until the door is set up correctly. This is not a fault, it is for your safety.

BEFORE SETTING LIMITS

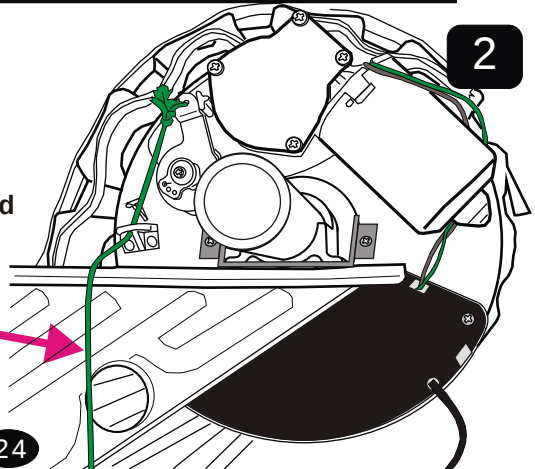
1. Open the roll-up garage door halfway.
2. Ensure the door is engaged. **Section 2 below**
 - If you cannot lift the door, it is engaged.
 - If the door can be lifted, pull the mechanical release cord until the door locks into the engaged position.



Open the roll-up garage door halfway.

Release Lanyard

Pull the manual release cord until the motor head locks.



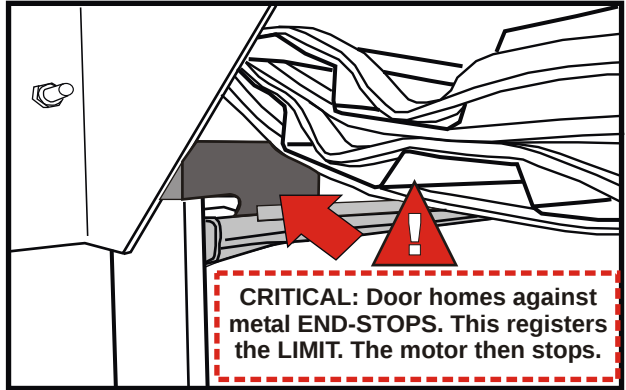
System Commissioning - Limits

ENGLISH

! The END-STOPS are Critical.

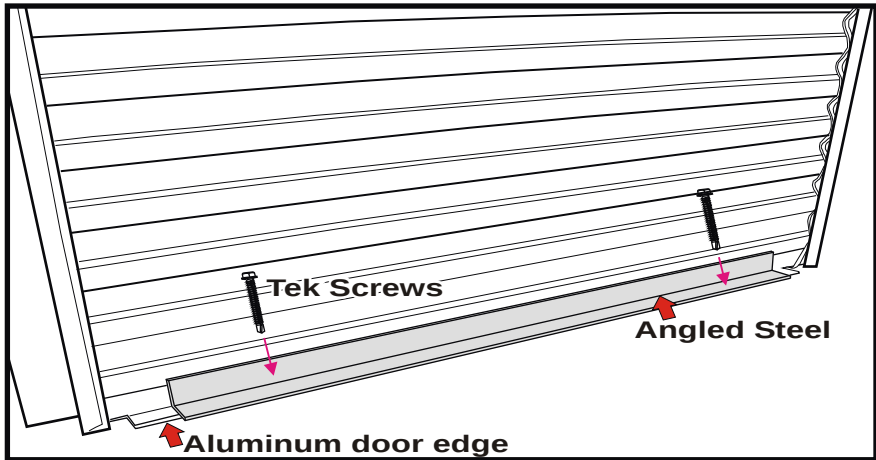
! The end-stops MUST be secure or the setup will fail. The end-stops must also be straight and equally spaced on both sides to prevent the formation of gaps when the door is closed.

! Safety inputs (BEAM) and the trigger input are unresponsive during this procedure. Ensure no people, pets or property can land in the path of the moving door curtain.



Adding weight to very light doors

In general, when the roll-up door is very light, a number of symptoms may become apparent and cause temporary malfunctions of the product. These include stopping after moving short distances and not closing completely. In these cases, it is necessary to add weight to the bottom edge of the door curtain. The recommended way of adding weight is to affix a length of angled steel to the bottom edge of the door curtain as shown:



The angled steel is attached directly to the aluminium edging of the door curtain with tek screws. Depending on the door type, other screws may be used. The steel is mounted on the inside of the door i.e. the side facing the inside of the garage.

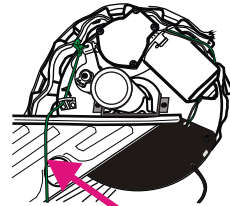
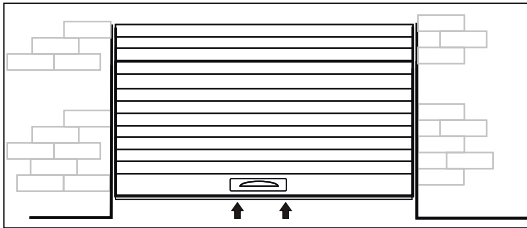
! Once weight is added to the door, it may need adjustment. Ensure that the door is consistently easily lift-able once the weight is added.

! Use short screws, long ones may damage the rubber at the bottom of the door curtain.

AUTOMATIC SETUP USING REMOTE CONTROL

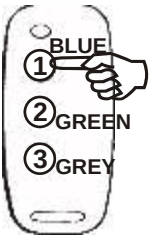
The **SENTRY® RDO MAX** is supplied with **TWO pre-programmed remote controls (only blue button is programmed)**, that can be used to do the limit setup.

NOTE: This procedure should only be used if no other limit setup method has been performed and if all settings have been cleared. **The END-STOPS must be SECURE, if not, USE MANUAL SETUP.** Automatic limit setup, triggered by a remote control button, can only be performed when the following two conditions are met: **1. The remote control button has been stored in the memory of the built-in receiver. 2. No limits have been programmed (limits are blank).**



1

Open the roll-up garage door halfway and engage/ lock the Motor Head.



**3 X 3 Then
Continues
Beeps**

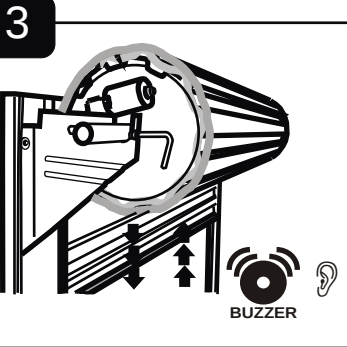
• Press and hold **Button 1 (BLUE Button)** on the transmitter.

• The buzzer will emit **3 sets of 3 beeps**, indicating **No Limits Set**.

• **Continue holding the button**, until the door starts moving and then release the remote button.

• You will hear the **Buzzer Beep Continuously** during limit setup.

2



3

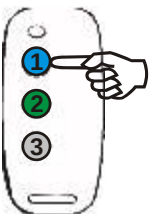
• The door will slowly open or close, depending on whether the motor is installed on the **left or right side** of the door. Limit setup will begin.

• **Note:** Pressing the **remote button** during setup will stop the process. To continue, press and hold the remote button again.

• Once both limits are detected, the **control run phase** will start automatically. The door will then open and close to test the programmed limits.

• During testing, the door may not fully reach the open or closed positions. **This is normal.**

• When the final position is reached, the **Buzzer will beep rapidly**, waiting for door position confirmation.



• You now need to press the remote button to indicate if the door is **Open or Closed**.

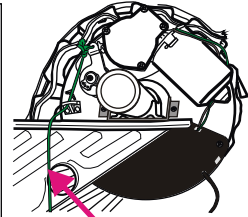
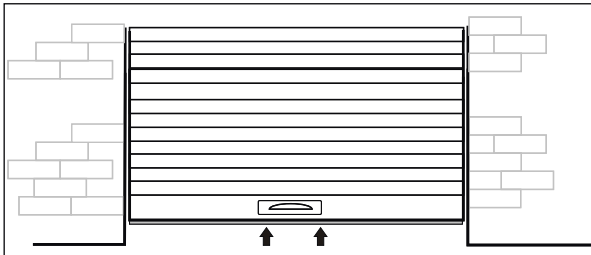
- **Open Position: Long Press**
- **Closed Position: Short Press (1 second)**

• You will hear **3 beeps**. Limit programming complete and setup exited

4

AUTOMATIC SETUP ON WALL CONSOLE

The **SENTRY® RDO MAX** does have an automatic setup that is done directly on the wall console. This limit setup method can be initiated regardless of whether limits have been previously programmed. **The END-STOPs must be SECURED, if not, USE MANUAL SETUP.**



Pull cord to lock

1

Open the roll-up garage door halfway and engage/ lock the Motor Head.

FUNCTION



2

Press and Hold the [**FUNCTION**] **BUTTON** until the **YELLOW LIMITS LED** lights up and then release the button.

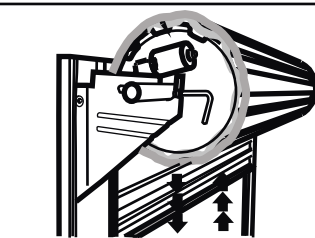
TRIGGER SET



x Continues

3

Press and Release the [**TRIGGER SET**] **BUTTON**.



4

•The door will begin to open or close slowly (**the direction will depend if the motor is installed on the left or right hand side of the door**). Limit setup starts.

•**Note: If ANY Button is pressed at any point during setup, the setup process will stop. To resume setup, start from Step 1.**

•Once the door has detected **both limits**, limit detection will be complete and the control run phase starts.

•The door will now automatically open or close to **test** the programmed limits.

•During this test phase, the door may not fully reach the open or closed limits. **This is normal.**

•When the door reaches the final open or closed position, the **Buzzer** will begin to **Beep RAPIDLY** and the **YELLOW LIMITS LED** will flash too.

5

▲ UP ▼ DOWN

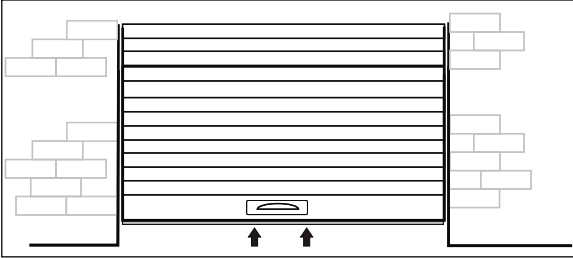


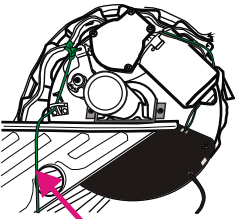
x3

Once satisfied with the limit position, press the [**▲ UP**] **BUTTON**, if the **Open limit** is reached or the [**▼ DOWN**] **BUTTON**, if the **Closed limit** is reached.

The **LIMITS LED** will **Flash Three Times** and the **Buzzer** will **Beep Three Times** to confirm the setting.

MANUAL SETUP





Pull cord to lock

1

Open the roll-up garage door halfway and engage/ lock the Motor Head.

FUNCTION





LIMITS (YELLOW)

2

Press and Hold the [**FUNCTION**] **BUTTON** until the **YELLOW LIMITS LED** lights up and then release the button.

TRIGGER SET





BUZZER



LIMITS (YELLOW)

x Continues Beeps

3

Press and hold the [**TRIGGER SET**] **BUTTON**, until the door starts moving.

TRIGGER SET





BUZZER

x Continues

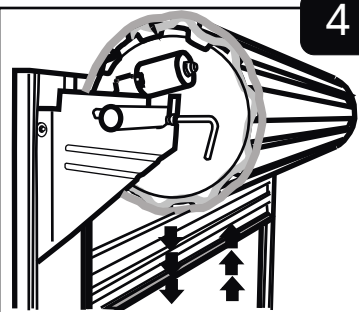


LIMITS (YELLOW)

4

While holding the button, the door will move slowly, opening or closing towards the open or closed position. When the door reaches the desired limit, release the [**TRIGGER SET**] **BUTTON**. For **fine adjustments**, use short presses on the [**TRIGGER SET**] **BUTTON** as needed.

*Note: Pressing the [**FUNCTION**] **Button** at any point will cancel the setup process.*



Door will begin to open or close.

▲ UP ▼ DOWN





BUZZER x3



LIMITS (YELLOW)

x3

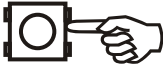
5

Once satisfied with the limit position, press and release the [**▲ UP**] **BUTTON**, if the open limit is reached or the [**▼ DOWN**] **BUTTON** , if the bottom limit is reached. The **LIMITS LED** will flash rapidly three times and the buzzer will **beep three times** to confirm the setting.

MANUAL SETUP (Continued)

6

TRIGGER
SET



BUZZER



LIMITS
(YELLOW)



x Continuous

Press and hold the [TRIGGER SET] BUTTON.

7

TRIGGER
SET



BUZZER



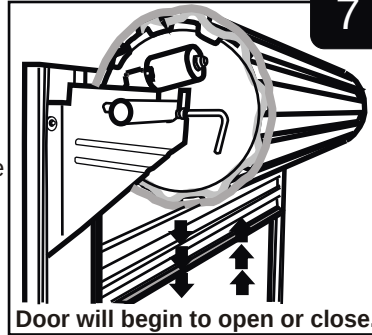
LIMITS
(YELLOW)



x Continuous

The door will begin to open or close slowly. While holding the button, the **LIMITS LED** will flash and the **Buzzer** will beep. When the door reaches the desired limit, release the [TRIGGER SET] BUTTON.

For **fine adjustments**, use short presses on the [TRIGGER SET] BUTTON as needed.



Door will begin to open or close.

8

▲ UP ▼ DOWN



BUZZER



LIMITS
(YELLOW)



x3

Once satisfied with the limit position, press and release the [▲ UP] BUTTON, if the open limit is reached or the [▼ DOWN] BUTTON, if the bottom limit is reached. The **LIMITS LED** will **flash rapidly three times** and the **Buzzer** will **beep three times** to confirm the setting.

9

AUTOMATIC
CONTROL RUN



BUZZER x 3

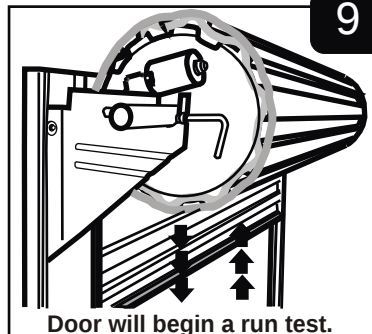


LIMITS
(YELLOW)



x 3

The door will now automatically open and close to test the programmed limits. During this test phase, the door may not fully reach the open or closed limits. **This is normal.** When the door reaches the second limit, the **LIMITS LED** and **Buzzer** will give **three** indications. Limit setup is done and setup is exited.



Door will begin a run test.

TRIGGER
SET



You can now press and release the [TRIGGER SET] BUTTON to test that the door opens and closes correctly.



System Commissioning

ADDING NEW REMOTE CONTROLS

The **RDO MAX** is supplied with two **Three Button code-hopping remote controls**, which are intended for use with this product. The user can purchase additional remote controls and add them to the system up to a maximum of **100 remote control buttons** into the memory of the **built-in receiver** at any given time.

NOTE: The system is shipped from the factory with **Both remote controls pre-programmed**. Only the **First button (Blue Button)** is programmed.



Ensure that no other remote controls are operating in the near vicinity during this procedure as these remote controls will be inadvertently learnt into the system.

How to add a remote control:

FUNCTION



1

Press and Hold the [**FUNCTION**] **BUTTON** until the **YELLOW LIMITS LED** lights up and then release the button.

FUNCTION



2

Press and Release the [**FUNCTION**] **BUTTON** once more and the **GREEN LEARN LED** will light up.



x3



x3

3

Now press the button on your remote control which you want to use to operate the garage motor. You will hear **3 beeps** and the remote is programmed. (*Note: If a **long low-tone beep** is heard, it means that the button is already stored in the system*)



x3



x3

4

If you have more than one remote control to learn, just **repeat step 3**.

FUNCTION



EXIT PROGRAM MODE

5

Once you have programmed all required remote controls, Press and Hold the [**FUNCTION**] **BUTTON** until **ALL FOUR LEDs** switch off. Program mode is now exited.



REMOVING A SINGLE REMOTE CONTROL BUTTON

Erasing a single remote control button from the system

To erase a single remote control from the system, in cases where a button was accidentally learned or you want use it on another device.



Performing this operation will only remove the remote control button that is not needed anymore. This function can only be performed if the remote control is present.

Removing a single remote control:

FUNCTION



1

Press and Hold the [**FUNCTION**] **BUTTON** until the **YELLOW LIMITS LED** lights up and then release the button.

FUNCTION



2

Press and Release the [**FUNCTION**] **BUTTON** once more and the **RED DELETE LED** will light up.



x3



x3

3

Now press the button on your remote control which you want to remove from the system. You will hear 3 beeps and the remote is removed from the memory. (**Note: If a long low tone beep** is heard, it means that the button is not stored in the system)



x3



x3

4

If you have more than one remote control to remove, just **repeat step 3**.

FUNCTION



EXIT PROGRAM MODE

5

Once you have removed all non-required remote controls, Press and Hold the [**FUNCTION**] **BUTTON** until **ALL FOUR LEDs** switch off. Program mode is now exited.





REMOVING ALL REMOTE CONTROL BUTTONS

Erasing all the remote controls in the system

To erase all the remote controls in the system, in cases where there has been a security breach or to reset the remote control storage to factory defaults, the following procedure will erase all the remote controls.

! Performing this operation will render all remote controls useless. This could lead to you being locked into your own garage! Proceed with this step only if you have access to the trigger button or the manual override.

! Once all remote controls are erased, any existing remote controls will have to be reprogrammed into the system. See Page 30.

Removing ALL remote controls:

FUNCTION



1

Press and Hold the [**FUNCTION**] **BUTTON** until the **YELLOW LIMITS LED** lights up and then release the button.

FUNCTION



2

Press and Release the [**FUNCTION**] **BUTTON** until the **RED DELETE LED** lights up.

▼ DOWN



3

Now press and hold the [**▼ DOWN**] **BUTTON** until you hear **5 beeps**. All programmed remote controls will now be erased.

FUNCTION



EXIT PROGRAM MODE

4

Press and Hold the [**FUNCTION**] **BUTTON** until **ALL FOUR LEDs** switch off. Program mode is now exited.

COLLISION SENSITIVITY SETTING

The **RDO MAX** Collision current sensitivity can be adjusted for safety purposes. If the door hits an obstruction, it will stop closing and fully open.

How to adjust the current sensitivity:

FUNCTION



LIMITS
(YELLOW)



1

Press and Hold the [**FUNCTION**] **BUTTON** until the **YELLOW LIMITS LED** lights up and then release the button.

FUNCTION

x3



CURRENT
(BLUE)



2

Press and Release the [**FUNCTION**] **BUTTON** until only the **BLUE CURRENT LED** lights up **solid** (not set) or **flashing** (has been adjusted).



UP



DOWN



CURRENT
(BLUE)



3

Solid ON = Collision sensitivity is disabled.

To **adjust the collision sensitivity** press the [**▲ UP**] or [**▼ DOWN**] **BUTTONS**. You will hear **one beep** with every press, if **two beeps** are heard, you are at the **limit of the setting**.

The [**▲ UP**] **BUTTON** is for higher current, less sensitivity and the **BLUE CURRENT LED** will be **solid ON** if disabled.

The [**▼ DOWN**] **BUTTON** is for lower current, higher sensitivity and the **BLUE CURRENT LED** will **FLASH** rapidly.

The **FLASH** rate on the **BLUE CURRENT LED** indicates the sensitivity set. The slower the flashes, the least sensitive and the faster the flashes, the more sensitive.

TRIGGER
SET



BUZZER



x3

4

To confirm the setting, press and release the [**TRIGGER SET**] **BUTTON**. You will hear **3 beeps** and the settings are confirmed.

FUNCTION



5

EXIT PROGRAM MODE

Press and Hold the [**FUNCTION**] **BUTTON** until **ALL FOUR LEDs** switch off. Program mode is now exited.

AUTO CLOSE



The **RDO MAX Auto-Close Function** can **ONLY** be enable if **Safety Beams** have been connected. The **Auto Close timer** will only start from when the door is in a stationery position and the beams aren't obstructed. Timer can be set to **20; 40; 60; 80 or 100**

Enable and Adjust the Auto Close Function:

FUNCTION





LIMITS (YELLOW)

1

Press and Hold the [**FUNCTION**] **BUTTON** until the **YELLOW LIMITS LED** lights up and then release the button.

FUNCTION x4





LIMITS



LEARN



DELETE



CURRENT



LIMITS (YELLOW)



CURRENT (BLUE)

2

Press and Release the [**FUNCTION**] **BUTTON** until the **YELLOW LIMITS LED** and **BLUE CURRENT LED** light up **solid** (not set) or **flashing** (collision setting has been adjusted).

▲ UP ▼ DOWN





LIMITS (YELLOW)



CURRENT (BLUE)

3

Long FLASH = 100 seconds
Rapid FLASH = 20 seconds
Solid ON = Disabled

To adjust the **Auto Close Time** press the [**▲ UP**] or [**▼ DOWN**] **BUTTONS**. You will hear **one beep** with every press, if **two beeps** are heard, you are at the **limit of the setting**.

The [**▲ UP**] **BUTTON** is to set the time for a longer period and both the **YELLOW LIMITS LED** and **BLUE CURRENT LED** will give long **FLASHES** if at maximum.
The [**▼ DOWN**] **BUTTON** is to set the time for a shorter period and the **YELLOW LIMITS LED** and **BLUE CURRENT LED** will give short **FLASHES** at minimum.

To disable **Auto Close**. Press the [**▲ UP**] button until both the **YELLOW LIMITS LED** and **BLUE CURRENT LED**, stay **on Solid**.

TRIGGER SET





BUZZER

x3



4

To confirm the setting, press and release the [**TRIGGER SET**] **BUTTON**. You will hear **3 beeps** and the settings are confirmed.

FUNCTION



EXIT PROGRAM MODE

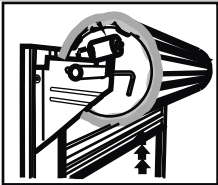
5

Press and Hold the [**FUNCTION**] **BUTTON** until **BOTH LEDs** switch off. Program mode is now exited.

34

AUTO CLOSE OVERRIDE

The **RDO MAX Auto-Close function** can be **temporarily overridden** by pressing and holding the remote button or external trigger for 3 seconds, from any stationary door position (door is not moving)



Press and hold the remote control or external trigger for more than **3 seconds**. The door will begin to **open, stop after a short distance**. Now release the remote button and the **door will continue opening fully**. The **Auto-Close function** will be **temporarily disabled** and will only be re-enabled once the door has been fully closed again.

DISABLE/ ENABLE THE BUZZER

This section will explain how to **Disable/ Enable** the on board **Buzzer**. (Factory shipped Enabled)

FUNCTION





LIMITS 

(YELLOW)

1

Press and Hold the [**FUNCTION**] **BUTTON** until the **YELLOW LIMITS LED** lights up and then release the button.

FUNCTION x5





LIMITS 



LEARN



DELETE



CURRENT

2

Press and Release the [**FUNCTION**] **BUTTON** until **ALL the LEDs** light up.

TRIGGER SET





LIMITS 



LEARN



DELETE



CURRENT



BUZZER x3 

3

Press and hold the [**TRIGGER SET**] **BUTTON**.
If Disabled: All the **LEDs** will flash **3 times**.
If Enabled: All the **LEDs** will flash **3 times** and the **Buzzer** will beep **3 times**.

FUNCTION



EXIT PROGRAM MODE

4

Press and Hold the [**FUNCTION**] **BUTTON** until **ALL FOUR LEDs** switch off. Program mode is now exited.

RESETTING BEAM INPUT

This section will explain how to reset the **SAFETY BEAM INPUT (IRB)**. This is done only if you had safety beams fitted and later on decide to remove them. If you do not reset the **(IRB)** input when removing the **Safety Beams**, the garage motor will see it as an obstruction and the door will not close.

FUNCTION





LIMITS
(YELLOW)



1

Press and Hold the [**FUNCTION**] **BUTTON** until the **YELLOW LIMITS LED** lights up and then release the button.

FUNCTION x5





LIMITS



LEARN



DELETE



CURRENT



2

Press and Release the [**FUNCTION**] **BUTTON** until **ALL the LEDs** light up.



UP





LIMITS



LEARN



DELETE



CURRENT





BUZZER

x3



3

Press and hold the [**▲ UP**] **BUTTON**. All the **LEDs** will flash **3 times** and the **Buzzer** will **beep 3 times**.
Beam Input has been cleared.

FUNCTION



EXIT PROGRAM MODE

4

Press and Hold the [**FUNCTION**] **BUTTON** until **ALL FOUR LEDs** switch off. Program mode is now exited.

CLEAR ALL SETTINGS

This section will explain how to **default all saved settings**. This will clear the **limits settings**. This will also **reset collision and auto close settings**.

FUNCTION



 LIMITS 

(YELLOW)

1

Press and Hold the [**FUNCTION**] **BUTTON** until the **YELLOW LIMITS LED** lights up and then release the button.

FUNCTION x5



 LIMITS 

 LEARN

 DELETE

 CURRENT

2

Press and Release the [**FUNCTION**] **BUTTON** until **ALL the LEDs** light up.

 DOWN



 LIMITS 

 LEARN x5

 DELETE

 CURRENT

 BUZZER 

x5

3

Press and hold the [**▼DOWN**] **BUTTON** until **ALL the LEDs** start flashing and you hear **5 beeps** from the **Buzzer**.

FUNCTION



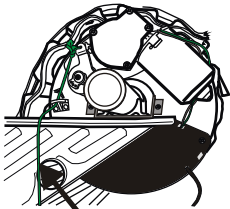
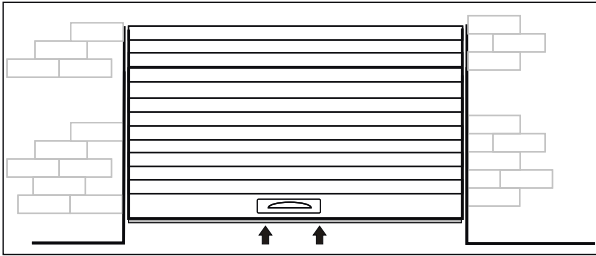
4

EXIT PROGRAM MODE

Press and Hold the [**FUNCTION**] **BUTTON** until **ALL FOUR LEDs** switch off. Program mode is now exited.

SELF TEST

The RDO MAX has a self test function.



Pull cord to lock

Open the roll-up garage door halfway and engage/ lock the Motor Head.

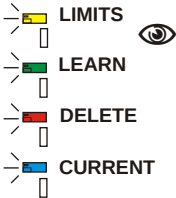
FUNCTION



Press and Hold the [FUNCTION] BUTTON until the **YELLOW LIMITS LED** lights up and then release the button.

FUNCTION

x5



Press and Release the [FUNCTION] BUTTON until **ALL the LEDs** light up.

TRIGGER SET

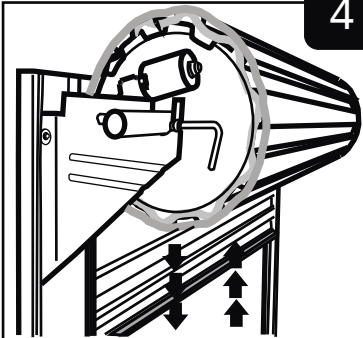


x Continues Beeps

Now press and release the [TRIGGER SET] button once. The door will slowly move towards the open position for a short distance and stop. The door will then slowly move towards the closed position for another short distance and stop.

You will hear **3 beeps**, indicating that the self-test has been completed successfully. If a **long low-tone beep** is heard, please contact Martin Electronics for assistance.

NOTE: During the self-test process, the **Buzzer** will beep continuously and the **LEDs** will flash.



Door will open slightly and then close slightly.

FUNCTION



EXIT PROGRAM MODE

Press and Hold the [FUNCTION] BUTTON until **ALL FOUR LEDs** switch off. Program mode is now exited.

DOOR RECOVERY MODE

If the door is triggered and begins to move slowly while emitting a constant beep, the motor is reassessing the door limits.

This may occur if:

- The door was disengaged and moved manually
- There has been a prolonged power outage
- The door has closed onto an obstruction, **5 consecutive times**. (If the obstruction has been cleared before the **5th obstruction**, the motor will resume normal operation.)

TRIGGER
SET



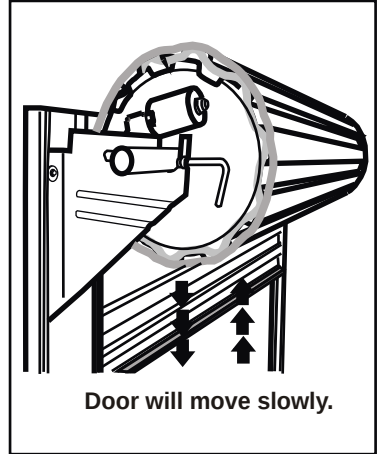
OR



x Continues

If the [TRIGGER SET] BUTTON or remote control is pressed and the door moves slowly while a constant beep is heard from the wall console, the motor is in **DOOR RECOVERY MODE**.

In this mode, the system is **re-checking the door limits**. The door may complete a few cycles while Re-calibrating. Once the motor no longer **detects any obstructions or abnormal load**, it will automatically return to **normal operation**.

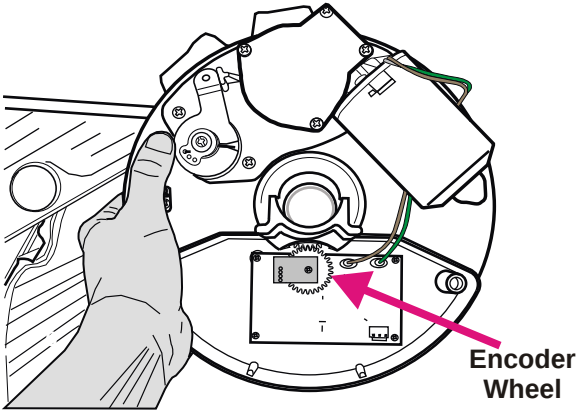


IMPORTANT: Do not interrupt this process. Ensure the door path is clear and allow the system to complete the Recovery cycle.

The following is a guide to solving problems that might occur with the **RDO MAX**. It is split into two sections, one for diagnosing troubles during **limit programming**, the other for diagnosing problems during **normal running**. These are by no means exhaustive lists of all the possible combinations of problems that occur, but these guides do cover over 90 percent of the problems that our customers experience with this product and how to best resolve them.

Always work through these guides first when solving problems, before calling technical support. This will allow us to provide the best possible support to every single customer. Where a particular problem is not described in these guides, you are encouraged to call or **WhatsApp us** for prompt resolution to your query.

SECTION A: LIMIT SET-UP TROUBLESHOOTING

Problem	Likely Cause(s)	Possible solution(s)
Cannot set the door up. NOTE: The RDO MAX limit setup can be performed using battery power only; however, it is recommended that the 220V mains supply is connected during setup.	• Power Problem • Problem with interconnecting cable (LINK cable) • Main fuse (10AMP) in console blown or fatigued.	• Check 2AMP fuse, near power cable, AC LIVE. Page 16 no.9 • Check the wiring, especially if you lengthened the Mains cable. • Check if interconnecting cable is connected correctly. • Check 10AMP fuse on Main board. Page 16 no.15.
The door moves a short distance, then stops with an error beep when attempt is made to program the limits. 	• Door not balanced • Spool wheel bent • Dirt/foreign matter on encoder wheel.	• Check the door, if there's a tight spot during upwards travel, you will need to fix it. • A bent spool wheel pulls the driving wheel away from the motor chassis, leading to it coming off the chassis altogether and the encoder no longer rotates. Replace spool wheel or fit an adaptor wheel available from the place where you purchased this product. • Sometimes, dust and dirt from the installation gets onto the encoder wheel, blocking the holes and the system can no longer measure distance traveled. Ensure the area is clean and free of dust/foreign matter.

SECTION A: LIMIT SET-UP TROUBLESHOOTING (cont)

Problem	Likely Cause(s)	Possible solution(s)
The door moves slowly, reaches the end-stop and then fails to stop with a loud "clack clack clack" noise.	• Door too light • End-stops not secure enough.	• Add weight to door as shown on page 25. • Make sure the end-stops are secure, if not you may need to retrofit additional end-stops.

SECTION B: GENERAL OPERATING MODE TROUBLESHOOTING

Problem	Likely Cause(s)	Possible solution(s)
Door opens a short distance, then stops. Cannot open door greater than this distance.	• Encoder problem. Page 6 No. 8 (Encoder Wheel)	• Disengage the door, and open and close fully, and ensure that the gear turns all the time when the door is closed and opened fully. If it does not, the spool wheel has likely damaged the drive wheel and pulled it off the chassis. This occurs due to incorrect installation! • Encoder dirty, ensure it is clean and free of debris. Sometimes insects and other objects get into the encoder.
Door closes by itself	• Auto-close inadvertently engaged	• Disable auto-close mode as per page 34, section 3.
Door moves consistently short distances, will not open further than 10 cm.	• Encoder problem • Bad installation • Door very light	• Check encoder • If installation not carried out as per Motor Head manual, that is the likely reason why. • Add weight to the door. • You could try the manual setup on pages 28 & 29 for fine adjustments.
While closing, the door stops and returns to the open position.	• Door detecting an obstruction.	• Check that the door runs smoothly. Disengage the motor head, open and close the door manually. • If Safety beams are fitted, ensure that they are not obstructed. Check wiring. • Try to increase the current sensing limit (decrease sensitivity); slow BLUE LED flashes. OR disable the current collision sensitivity (solid BLUE LED).

SECTION B: GENERAL OPERATING MODE TROUBLESHOOTING

Problem	Likely Cause(s)	Possible solution(s)
Door doesn't close properly, there is always a gap at the bottom	• Bad insallation • Door not straight • Door very light	• Rectify any installation problems first. • If the door is not straight it is most likely impossible to rectify as it involves removal of the entire door. Add self-adhesive foam rubber to the bottom edge of the door to resolve. • Add weight to the door.
Frequently, the door opens slowly when opened and then runs as normal	• Play on the door	• There is likely free play on the door somewhere. The RDO MAX is sensing movement on the encoder wheel when the door is stationary.
The door opens by itself at random times	• Another transmitter, elsewhere was inadvertently learned into the system.	• Perform complete erasure of all stored remote controls and learn them in again. Page 32.

WARNING BEEPS AND STATUS LED FLASHES

ENGLISH

Low Power Shutdown (1000msON) x1	Single @ 3200Hz
No Limits (100msON/150msOFF)x3 300ms OFF}	3 times @ 3800Hz
IRB Obstructed (200msON/100msOFF)x1]1s OFF}	5 times @ 3800Hz
Mains Fail (200msON/100msOFF)x2]1s OFF}	5 times @ 3800Hz
Low Voltage (200msON/100msOFF)x3]1s OFF}	5 times @ 3800Hz
Stalled Door (200msON/100msOFF)x4]1s OFF}	5 times @ 3800Hz
High Temperature (200msON/100msOFF)x5]1s OFF}	5 times @ 3800Hz
Over-heat (200msON/100msOFF)x7]1s OFF}	5 times @ 3800Hz
Overload (200msON/100msOFF)x9]1s OFF}	5 times @ 3800Hz



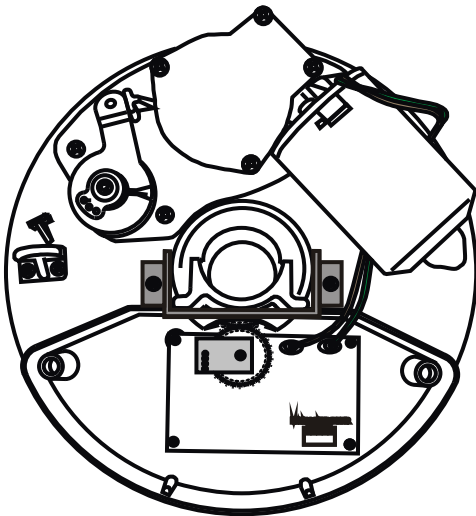
Product Specification - Dimesions

Product Type:	DC drive reduction gear motor for roll up doors
Voltage:	24 volts DC
Power Source:	200 - 250V AC 50/60Hz 120VA
Battery Back-up:	Internal 12V 1.3AH or 1.4AH batteries (2 pcs)
Max Lift mass:	Equivalent to 6kg
Receiver Frequency:	433.92MHz
Remote Control Type:	Code-hopping (KEELOQ)
Remote Control Storage:	Up to 100 remote control buttons
Back-up duration:	Max 10 cycles (dependent on battery condition)
Collision Sensitivity:	Automatic with counter (stops after 5 collisions)

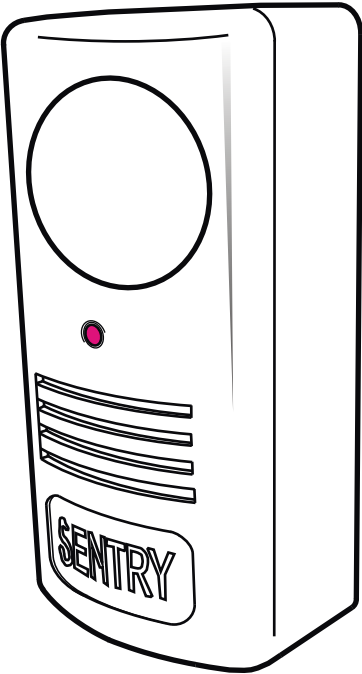
ENGLISH

Specification subject to change without prior notice

±240x240x160mm



±260x130x90mm



LINK CABLE: 1800mm

MAINS CABLE: 1800mm

Recommended Sentry® Accessories

SENTRY® WIRED OR WIRELESS SAFETY BEAMS



MEGB-15M OR MEGB-WL1

SENTRY® LINK-IT2 GSM



MELINK-IT2-01



ENGLISH

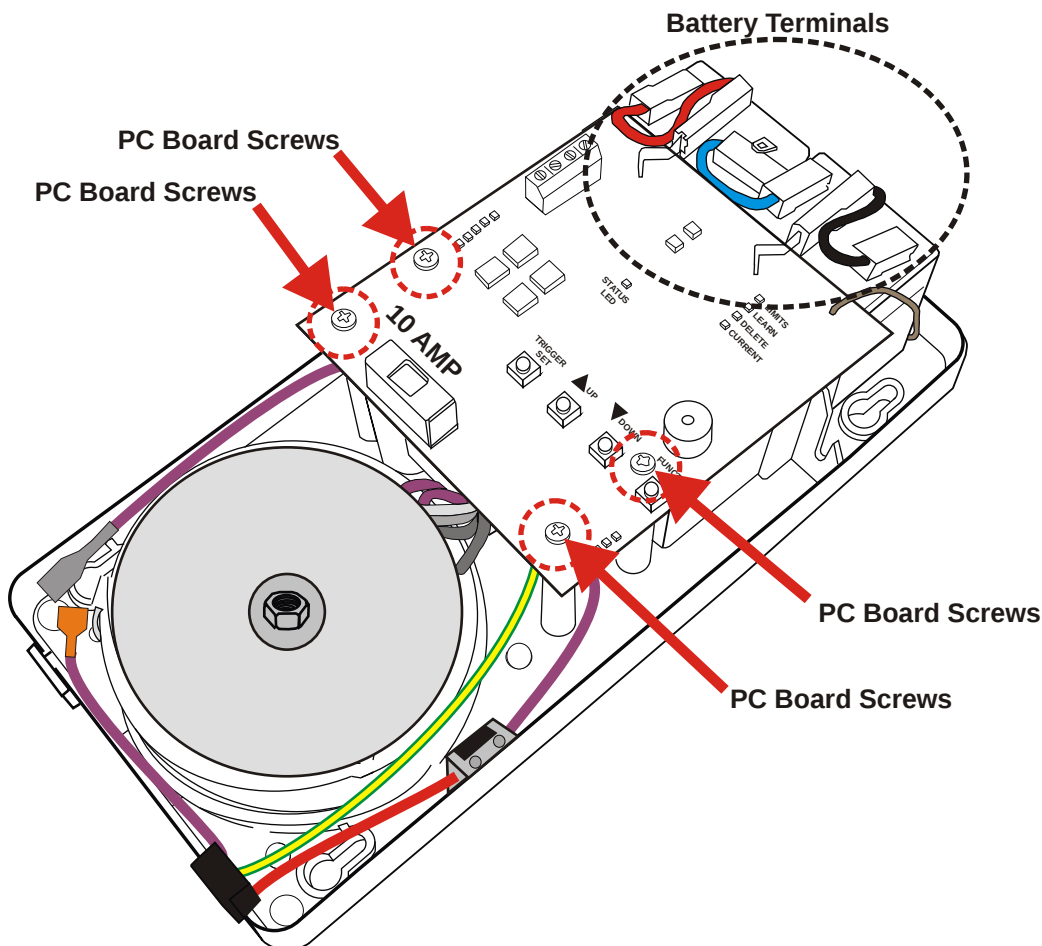
SENTRY® WIRELESS KEYPAD



MEKPD-01



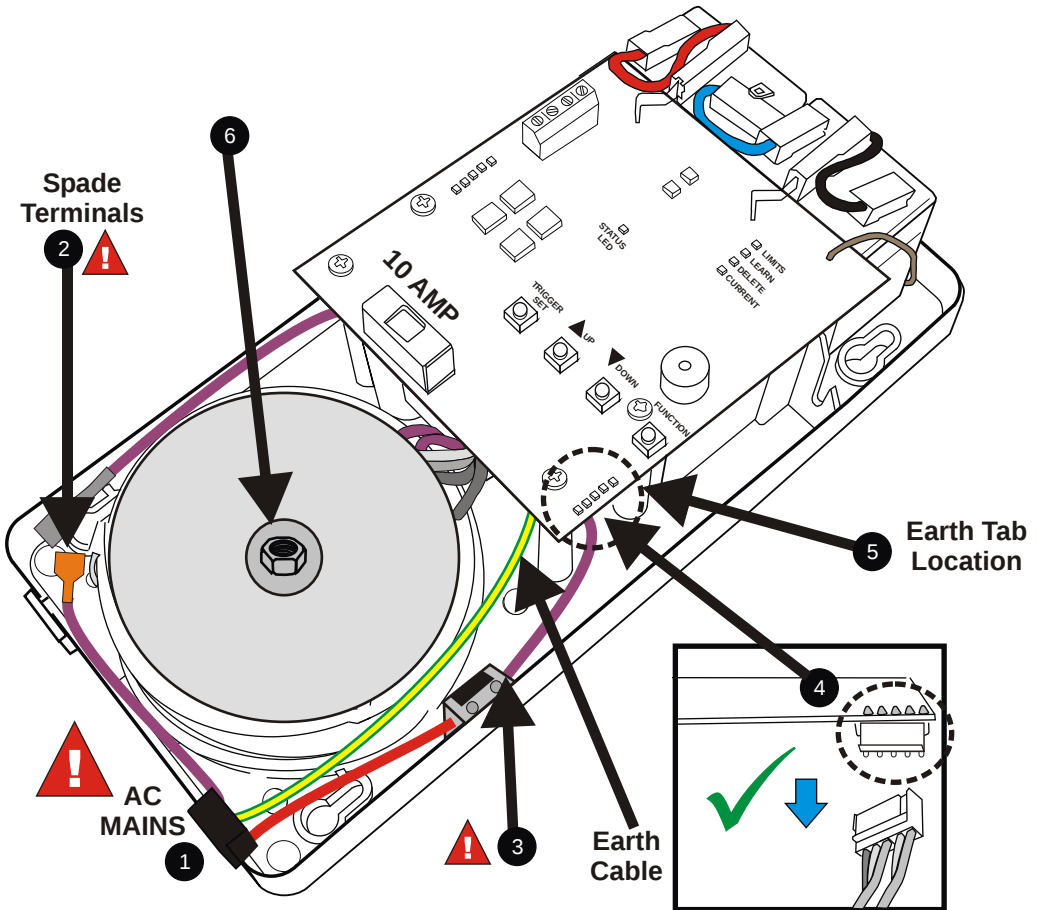
REPAIRCING THE BACKUP BATTERIES



1. Disconnect the battery terminals. Only remove the plugs connected directly to the battery terminals; the plugs connected to the PC board terminals can remain in place.
2. Loosen the four PC board mounting screws.
3. Carefully lift the PC board and remove the old batteries.
4. Install the new batteries in the correct positions.
5. Refit and tighten the PC board mounting screws.
6. Reconnect the battery terminals as they were previously connected.

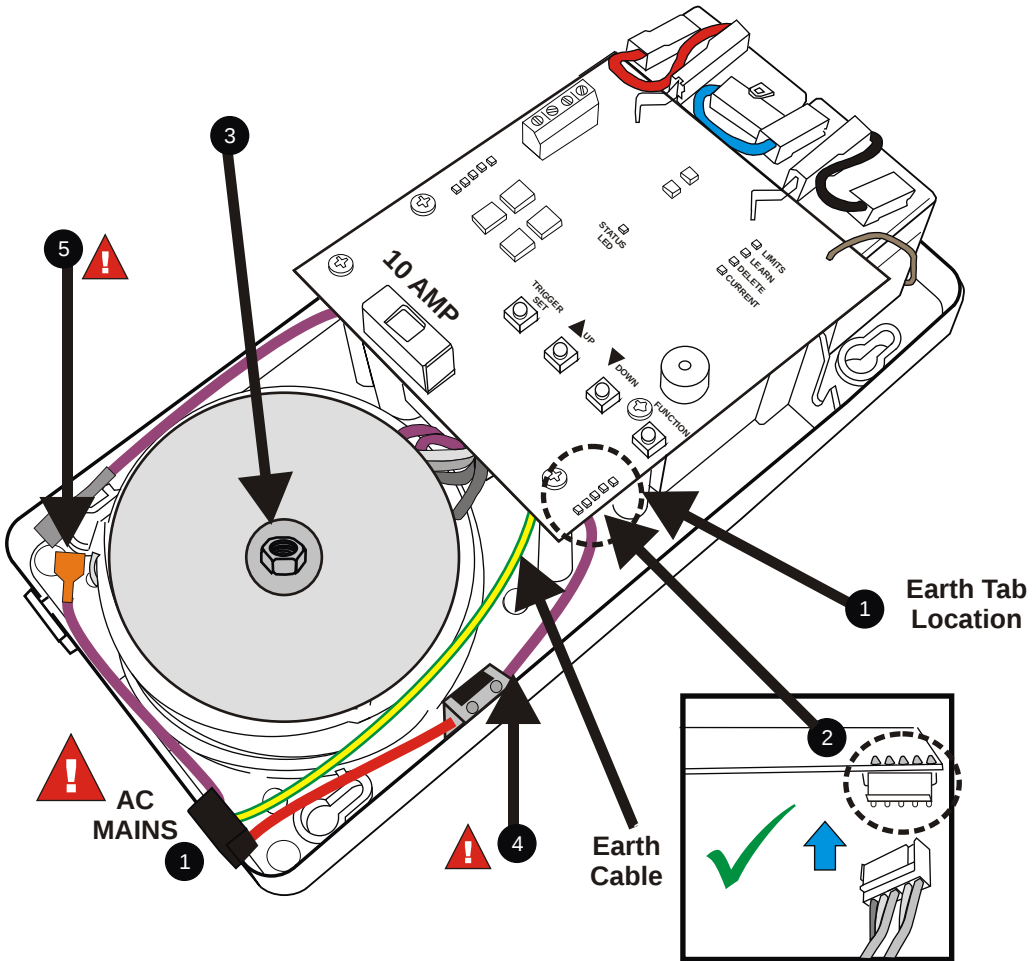
Note: The AC mains supply does not need to be disconnected when replacing the batteries.

REPLACING THE TRANSFORMER - REMOVING



1. Disconnect the AC mains supply. **(THIS IS CRITICAL.** To avoid electrocution when working with the wires)
2. Disconnect the spade terminal.
3. Remove the purple wire from the fuse holder.
4. Unplug the white connector from the PC board. Do not pull on the wires. Press the release clip and gently remove the connector.
5. Disconnect the earth cable from the tab located beneath the PC board.
6. Loosen the transformer retaining nut and washer.

REPLACING THE TRANSFORMER - FITTING NEW



1. Connect the **Earth Cable** to the **Tab underneath** the PC Board.
2. Connect the **White Connector** to the **PC Board**. Clip facing outward.
3. Place the **Transformer** in it's position, followed by the **Supporting Disc** (rubber side down), then add the **washer** and finally tighten the **Nut**.
4. Screw the **Purple Wire** into the **Fuse Holder**.
5. Connect the **Spade Terminal**.
6. Connect **AC MAINS**.

Company Profile

Martin Electronics is a respected and well-known manufacturer of RF remote controls and security products and has established itself as the leader in RF remote control for the over 30 years.

The company manufactures remote controls, receivers, infrared beams, GSM Links, Alarm equipment, gate and garage door automation products under the Sentry® brand name.



The company also manufactures products for OEM (Original Equipment Manufacturers) and custom markets and is deeply respected in this regard as it designs and manufactures not only its own products but specialised and custom products for specific customers and provides support for these products.

MARTIN ELECTRONICS strives to give service and backup second to none. Technical staff, as well as our engineers are available to give answers to technical or installation problems.

The equipment is installed countrywide and is available through a network of distributors in South Africa.

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TRADING HOURS:

MONDAY - THURSDAY 8:00 - 17:00 CAT
FRIDAY: 8:00 - 16:00 CAT



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