



ROLL-A-GLIDE

CONTROL BOX

**PLEASE READ THIS INSTRUCTION MANUAL FULLY
BEFORE COMMENCING INSTALLATION**

Important Safety Requirements

This manual has been prepared for use by qualified personnel and in case of doubt about the assembly and/or maintenance, please contact Gliderol.

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To avoid severe personal injury, carefully read and observe all indications and warnings in this manual.

Control Box Housing



High Voltage Section Concealed

Wireless Edge Device

Safety Edge & Reed Switch



Magnet



PCB Index

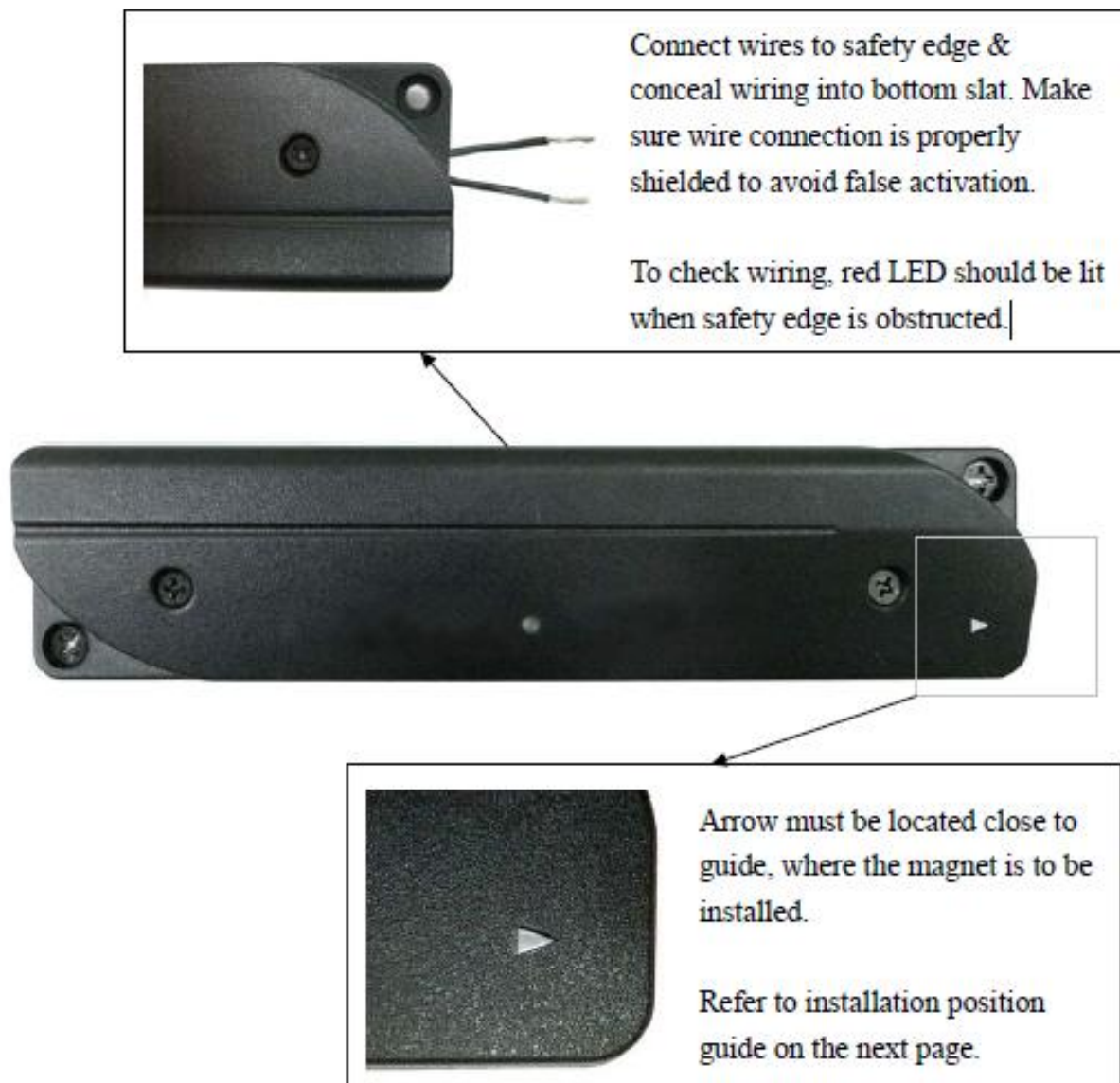


1	Spare Jumper Pins
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PLEASE NOTE:

Unlike other operators, the safety edge must be set before the limits/door is set

Wireless Edge Device Installation



Wireless Edge Device Installation Position Guide

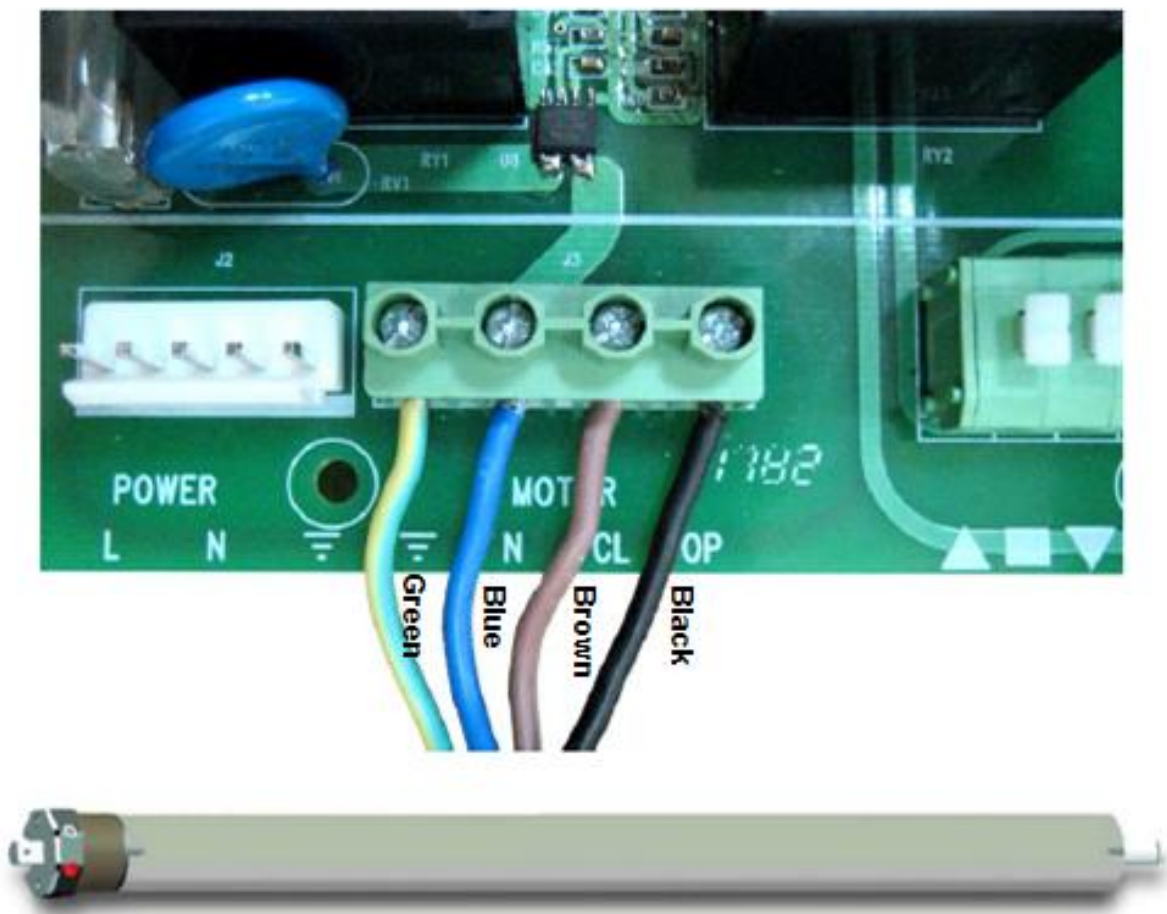
- Magnet should be installed on guide's edge, 10CM from floor level.
- Wireless Edge Device should be installed on the bottom slat/rail, within 2CM from the magnet.
- The arrow on the Magnet must point upwards to the door drum, when installed on the guide.



Once it has been determined which side the motor is to be installed,
Please check the correct 'Drive Direction' on page 9, no 1 & 2

Tubular Motor Wiring

Referring to below, connect the 4 wires from tubular motor to **[13] MOTOR TERMINAL**.



Wireless Edge Device & Transmitter Code Setting

The Roll.a.Glide control box has a memory for 30 transmitter codes, and 1 memory for the wireless edge device. The unit will not operate without the coding of a wireless edge device.

* Refer to PCB Index

To code a Wireless Edge Device

1. Press the **[6] LEARN** key once
2. LED indicator will light
3. Trigger the wireless edge device by simulating an obstruction on the bottom slat/rail
4. LED indicator will blink to signal successful coding
5. LED will go out after 6 seconds
6. The wireless edge device is now programmed



If the wireless edge does not set please check safety edge connectors as they may have become loose

To code a Transmitter

1. Press the **[6] LEARN** key once
2. LED indicator will light
3. Press any button on the transmitter once
4. LED indicator will blink to signal successful coding
5. Another transmitter can be coded by pressing any button on the subsequent transmitter
6. Again, LED indicator will blink to signal successful coding
7. Once all transmitters are coded, the LED will go out after 6 seconds
8. The transmitter(s) are now programmed



When all 30 memory slots are coded, further coding is disabled. To delete all transmitters and wireless edge device from memory, press and hold **[6] LEARN** key for 5 seconds. LED will diminish and buzzer will beep to signal all codes held in memory have been erased. All Wireless Edge Device, Transmitters and Control Box Limit (Page 10) must be reprogrammed.

If a transmitter is lost or stolen, please erase all memory and reprogram.

Setting Door Travel Limits – Motor Mechanical Limit

During this process, the operation buttons on the control box panel and transmitter keys are automatically switched to the hold to run state, i.e. press and hold to open, release to stop.

1. Using the operation buttons, verify the door is travelling in the correct direction, i.e. door opens when the open button is pressed.

2. If door travels oppositely, reverse the drive handing by using the **[3] DIRECTION** switch.



Wireless Edge Device and Magnet must be installed and coded prior to limit setting.

1. Adjust the mechanical limit switches on the tubular motor

2. Rotate the **WHITE** and **RED** switches anti-clockwise to decrease door travel distance (see arrows to determine direction of travel)

3. Vice versa, rotate the switches clockwise to increase door travel distance

4. Adjust until door travels to the desired fully opened and closed positions.



Setting Door Travel Limits – Control Box Limit Programming

Once the mechanical limits are set, the control box is now ready for programming to complete the limit setting process.

1. Press and hold **[5] SET** for several seconds to enter limit programming Mode



2. 4 beeps will be signaled when entering the limit programming mode, and the courtesy LED on the control box panel will start to blink, Release finger from button.

3. Trigger the wireless edge device by simulating an obstruction on the bottom slat/rail

4. The door will now automatically open to the TOP limit, then close to the BOTTOM limit and completes by fully opening to the TOP limit again

5. During this process, magnet installation is verified and a total maximum run time is recorded for added safety

6. Courtesy LED will go out, and a long beep is signaled to confirm successful programming

7. The door is now ready for use

- Once limit programming is complete, all operation keys are reverted to the momentary press state and the **[3] DIRECTION** switch is disabled, i.e. any direction switch is ignored.
- If a fault is detected during the auto run process, the unit will exit the programming mode and operation keys will remain in the hold to run state.

If it does not set repeat procedure as above

- The STOP button on housing can be used to exit the limit programming mode at any time.
- To erase limits programmed to the unit, press and hold **[5] SET** for 2 seconds. A long beep is signalled to confirm limits erased.

Transmitter Key Setting – Factory Default

The control box is factory default set to be controlled by using all 3 keys on the transmitter.



Vacation Mode

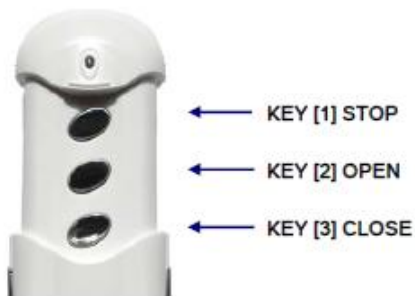
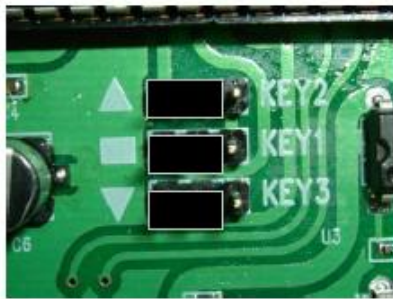
To provide added security when the door is not used for a long period of time, press and hold **KEY [1] STOP & [3] CLOSE** for 2 seconds to activate vacation mode. Repeat process or a reset to mains power to deactivate vacation mode.

During vacation mode, the red LED on the control box panel will flash, and any unsuccessful operation attempts will be signalled by 2 beeps.

Transmitter Key Setting – Single Door Installation

** Refer to PCB Index (Page 4) – [8] Transmitter Key Setting*

Single Door Installation (A) – Factory Default



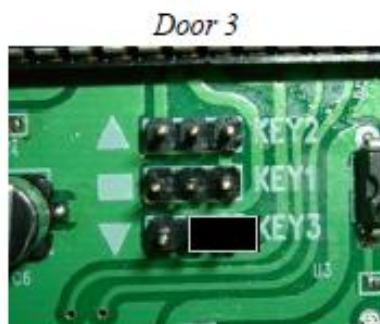
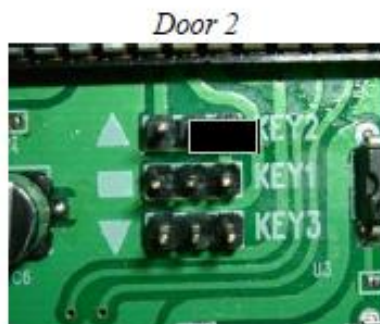
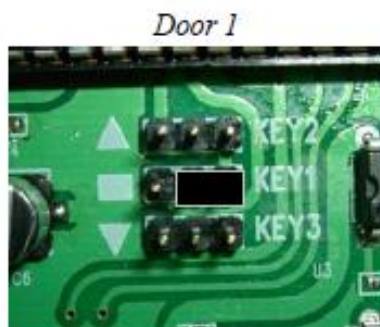
Single Door Installation (B)



Transmitter Key Setting – Two or Three Door Installation

* Refer to PCB Index – [8] Transmitter Key Setting

Two or Three Door Installation



- ← KEY [1] Door 1
- ← KEY [2] Door 2
- ← KEY [3] Door 3

Jumpers not required can
be conveniently place on
the provided [1] Spare
Jumper Pins



Obstruction Reverse Setting

If an obstruction is encountered while the door is *closing*, the door will stop and reverse based on the **[2] OBS** Jumper setting.



Jumper ON – Factory default

Upon obstruction, door will stop then fully open to top limit

Jumper OFF

Upon obstruction, door will stop then reverse open for 6 seconds

If an obstruction is encountered while the door is *opening*, the door will stop immediately.

Wireless Edge Device – Low Battery Alert

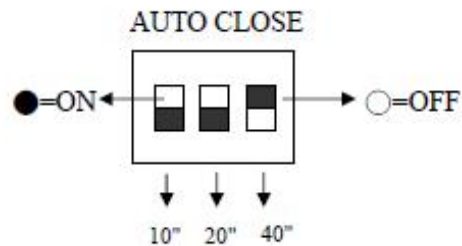
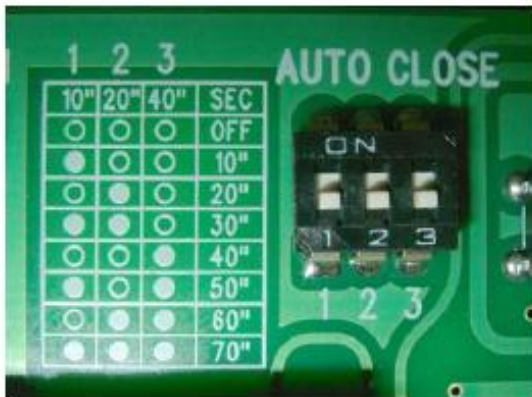
A low battery alert function is built into the wireless edge device, wirelessly integrated to the control box to provide alert signals if a low battery condition is detected. When a low battery condition is registered by the control box, the door will alert for battery change in the following ways:

- The control box will be set to 5 Seconds Delayed Close, and will beep for 5 seconds before door begins to close.
- The control box will beep for the entire closing and opening operation.

The low battery condition is cleared when batteries are replaced with the next door operation.

Automatic Delayed Closing

For added security and convenience, the door can be set to close automatically based on the **[4] Auto Close Setting** on PCB – *OFF or 10 to 70 seconds*. The installation of an optional photo cell is required.



The above example shows an automatic delayed closing setting of 30 seconds.

For added safety, the controller will beep to alert for the last 5 seconds of the automatic closing countdown.

Please note when using this function if obstruction is detected, door will auto reverse then auto closing until obstruction is removed.

Courtesy Light

The LED courtesy light will operate for approximately 60 seconds with every door operation.

The LED courtesy light can also be independently operated using the transmitter's **KEY [1] STOP** button - only for single door installation (A) transmitter key setting (Page 11)



External I/O Terminal



Alarm Siren - Optional

The unit can be connected to an alarm siren to alert for forcible entry.

If a fully closed door is lifted above the magnet, the on board buzzer and external siren will alert for 5 minutes. The alert siren can be turned off by pressing the [STOP] key or any operation button.

