



Installation Instructions for Part # RT-19850 Control Box for 1 Motor w/ Wireless Remote Control

Kit Includes:

2 Pre-programmed remote keyfobs	4 Terminals (#10 Ring)	2 Keys
1 30 Amp circuit breaker	4 Terminals (1/4" Ring)	4 Terminal Boots
1 Control Box	2 Terminals (3/8" Ring)	

Installation Instructions:

- 1)** Mount the control box in a secure location. Select a location that will minimize the amount of wire needed and that is as shielded as possible from the elements. Mount the box facing outward; **do not mount the box face up.**
- 2)** Run a pair of wires (6 ga. is recommended) from a 12 Volt battery (**do not connect to the battery at this time**) to the box and connect to the + and - terminal posts.
- 3)** Run a pair of wires (6 ga. is recommended) from the motor you wish to control to the box and connect them to the Coil 1 terminal posts.
- 4)** Connect the motor wires to the motor using the terminals provided.
- 5)** Connect the battery wires to the battery, splicing the included circuit breaker into the positive wire as close to the battery as possible.
- 6)** Using one of the included keys, un-lock the keyed switch to allow the controls to operate.
- 7)** Verify that the motor operates correctly when the "I" and "II" keyfob buttons are pressed and held. Swapping the two wires hooked to the back of the motor will reverse its rotation.

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FACTORY
16 PINACLE STREET
BRENDALE Q 4500

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Re-Programming the Remote Keyfobs

Before you begin, here are some hints:

- The included keyfobs are pre-programmed from the factory to match the included receiver.
- Only newer style keyfobs can be used. New style has blinking LED light. Old style has continuous LED.
- Before beginning, gather all of the keyfobs that you wish to program. The receiver will store codes for up to four keyfobs, but all must be programmed at the same time. Programming an additional keyfob at a later date will erase all previously stored keyfob codes.

Programming Instructions:

- 1) Begin with the keyed switch turned off.
- 2) Turn the keyed switch on and off rapidly 6 times within 10 seconds. Stop in the on position when the LED changes from green to red.
- 3) Within 10 seconds, press the "I" button on each keyfob that you wish to program.
- 4) Wait 10 seconds for the LED to turn green again and then test the keyfobs to ensure that they all operate as expected.

Fuse Replacement (if necessary):

- 1) Disconnect the battery wires feeding the control box.
- 2) Unscrew and remove the 6 screws securing the control box lid.
- 3) Carefully lift the lid 2"-3". Disconnect the small red plug for the keyed switch and the red, white, and blue plugs for the 3 toggle switches from the circuit board.
- 4) Remove the lid and set it aside.
- 5) Carefully remove fuse and replace with equivalent blade style automotive fuse.
- 6) Reassemble control box using reverse of process above.

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LED Diagnostics, Unit at Rest

No Light	-----	No power, or keyed switch turned off.
Green	Continuous	Everything is OK.
Green	Single Blink	Low battery warning. Recharge soon.
Green	Double Blink	Battery is nearly dead and must be recharged before unit will operate.
Yellow	Continuous	Fuse 1 (5A) is blown and must be replaced before unit will operate.
Yellow	Single Blink	Fuse 2 (10A) is blown and must be replaced before unit will operate.
Yellow	Double Blink	Fuse 3 (15A) is blown and must be replaced before unit will operate.
Red	Continuous	Unit is in programming mode. LED will blink to confirm each keyfob added.

LED Diagnostics, Unit in Operation

Red	Continuous	Confirms toggle switch or keyfob operation. Everything is OK.
Red	Single Blink	Low battery warning. Recharge soon.
Red	Double Blink	Battery is nearly dead and must be recharged before unit will operate.

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