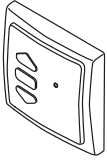


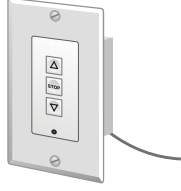
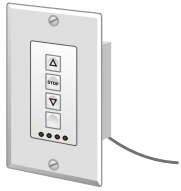






Hz Wireless Radio Switches and Receivers

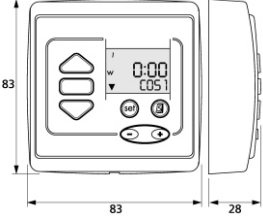
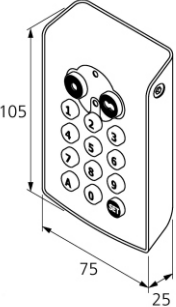
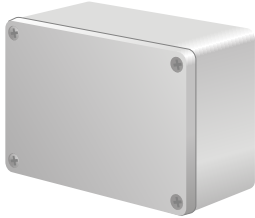
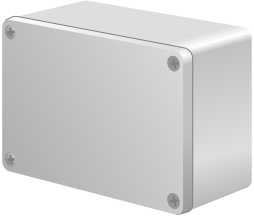


Items	Reference	Description
	<p>2005713</p>	<p>Single Channel Surface Wall Mount</p> <ul style="list-style-type: none"> -Available in white -Indoor rated
	<p>2006138 2006139 2006140 2006141 2006142</p>	<p>Slim Single Channel Hand Held</p> <ul style="list-style-type: none"> White Silver Plum Green Orange
	<p>2006143 2006144 2006145 2006146 2006147</p>	<p>Slim Multi Channel Hand Held</p> <ul style="list-style-type: none"> White Silver Plum Green Orange <p>-5 independent channels that can be programmed to operate one or more motors.</p>
	<p>1810603 White</p> <p>1810604 Ivory</p>	<p>Recessed Designer Single Channel</p> <ul style="list-style-type: none"> -Indoor rated
	<p>1810605 White</p> <p>1810606 Ivory</p>	<p>Recessed Designer Multi Channel</p> <ul style="list-style-type: none"> -5 independent channels that can be programmed to operate one or more motors. -Indoor rated
	<p>2005326</p>	<p>Two Channel Key Chain Style Transmitter</p> <ul style="list-style-type: none"> -Available in black -Sequence function
	<p>2005914</p>	<p>Four Channel Key Chain Style Transmitter</p> <ul style="list-style-type: none"> -Available in black -Sequence function



Hz Wireless Radio Switches and Receivers



Items	Reference	Description
	<p>2004960</p>	<p>Hz Radio Timer</p> <p>-Compatible with all Hz radio operators. This timer can operate multiple operators automatically at a set time.</p> <p>-Indoor use only.</p>
	<p>2006029</p>	<p>Hz Radio Key Pad</p> <p>-Compatible with all Hz radio operators. This key can operate two independent Hz radio operators.</p> <p>-IP 54 Outdoor weather rated.</p>
	<p>2005714</p>	<p>Hz Radio Dry Contact Transmitter</p> <p>-This transmitter is designed to link Hz operators into most home automation systems.</p>
	<p>1810602</p>	<p>Hz Radio Receiver Motor Controller</p> <p>-This radio receiver can be used with the SIMU standard AC motor series T3.5, T5, T5DMI, T6, T6DMI, T8 and T8 override. This control is compatible with all the transmitter switches shown above.</p>

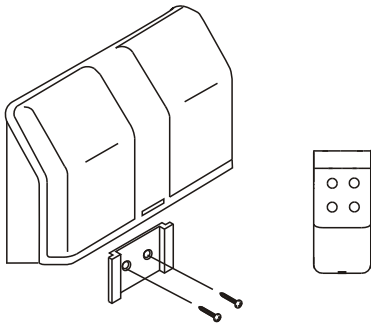
No job is too large or small for the Hz wireless technology which is the latest radio innovation from SIMU. It combines the function of wireless switching with the added benefit of group control directly into the operator. Everything from individual switching and sub grouping to a master control can be accomplished without the use of external controls. For more details on this product please refer to the Hz control manual which features detailed information on wiring and program scenarios.

Note: This radio control system is not compatible with the RC200 sequence controlled radio.



Sequence Controlled Radio

Radio Receiver and Transmitter Controls



This radio remote control is everything you need to operate your SIMU operator. It's new designer look is stylish, compact and water resistant. Built-in reliable features include sequence controlled switching, remote location switching ability, run timer with automatic shut-off and dry contact safety control hook-up. The designer remote complies with Part 15 of the FCC Rules and can transmit over 300 feet.

Reference	Description
2005642	Transmitter-Two Channel
2005643	Transmitter-Four Channel
2005644	Transmitter-Twelve Channel
2005632	Receiver (120V-60Hz) surface wall mount
2005634	Receiver (Dry contact hook-up)

Note: This radio control system is not compatible with the Hz wireless control products.

Wiring for one motor and one RC200 receiver

NOTICE: For installation by a qualified electrician in accordance with national and local electrical codes, and the following instructions.

CAUTION: RISK OF ELECTRICAL SHOCK. Disconnect power before installing. Never wire energized electrical components.

Select conductors having 90 °C or higher rated insulation having sufficient ampacity in accordance with the 60 °C column of National Electrical Code R Table 310-16 or Canadian Electrical Code Table 2

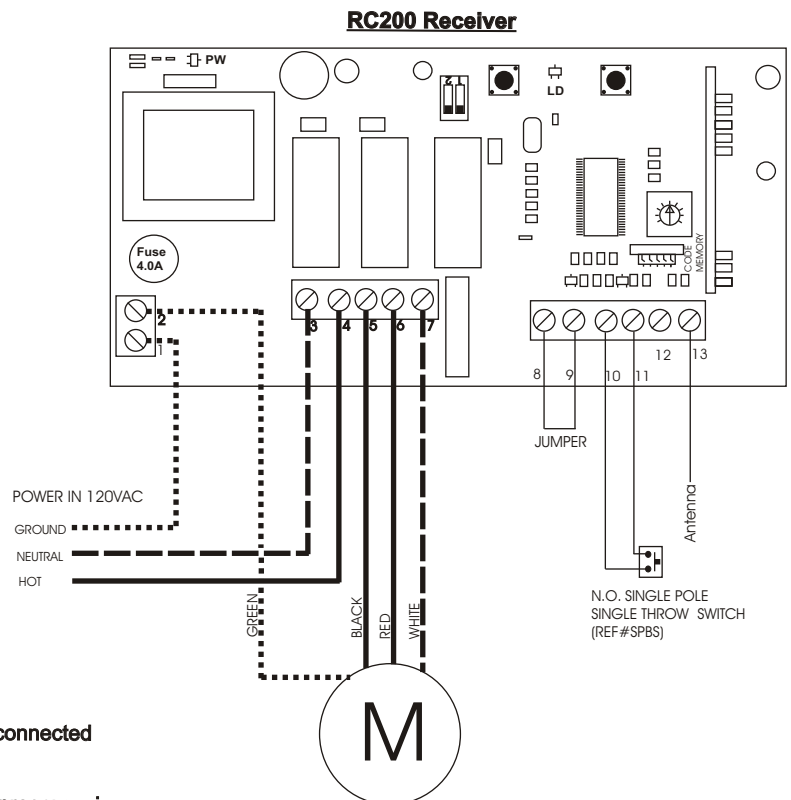
Terminal capacity: #14 AWG to #10 AWG

Strip conductors using strip gage on switch body. DO NOT USE TIN CONDUCTORS.

- 1 - Ground (Green)
- 2 - Ground (Green)
- 3 - Neutral
- 4 - Hot 120VAC
- 5 - Direction 1 (Black)
- 6 - Direction 2 (Red)
- 7 - Common (White)

- *8 & 9 N. C. Reversing Sensor
- 10 & 11 Remote Override Switch (SPBS)
- 12 - Coax Antenna Connection (not supplied)
- 13 - Standard Antenna (supplied with unit)

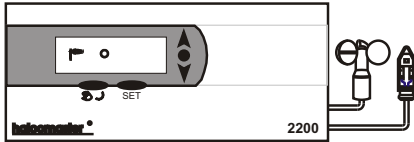
NOTE: - If you are not using a safety device a jumper wire must be connected to terminals 8 & 9.
 - Do not cut antenna wire supplied with this unit.
 - See complete instructions supplied with unit on transmitter programming.





Operator Electronic Control Systems

Automatic Environmental Controls



The Halcomaster 2200 is a control system for all types of window treatments. Whether you are controlling retractable awnings, rolling shutters or sun shades, the Halcomaster 2200 enables a window treatment to provide shading from the sun and protection from the wind automatically and conveniently. A digital display read out allows you to monitor the sensors sun intensity and wind speed levels. These settings can be adjusted easily from the control unit.

Reference	Unit Function
2279073	Sun and Wind Control (white - surface mount)
2279193	Sun and Wind Control (ivory - 3 gang recessed mount)
2279194	Sun and Wind Control (white - 3 gang recessed mount)
2279055	Replacement / Additional Sun Sensor
2279010	Replacement / Additional Rain Sensor
2279139	Replacement / Additional Temperature Sensor
2279058	Replacement / Additional Wind Sensor
2279054	Replacement / Additional Sensor Bracket

Wiring for one motor and one 2200PRO

The Halcomaster 2200USPRO allows for additional sensors to be attached. It also allows for additional switches to be remotely located.

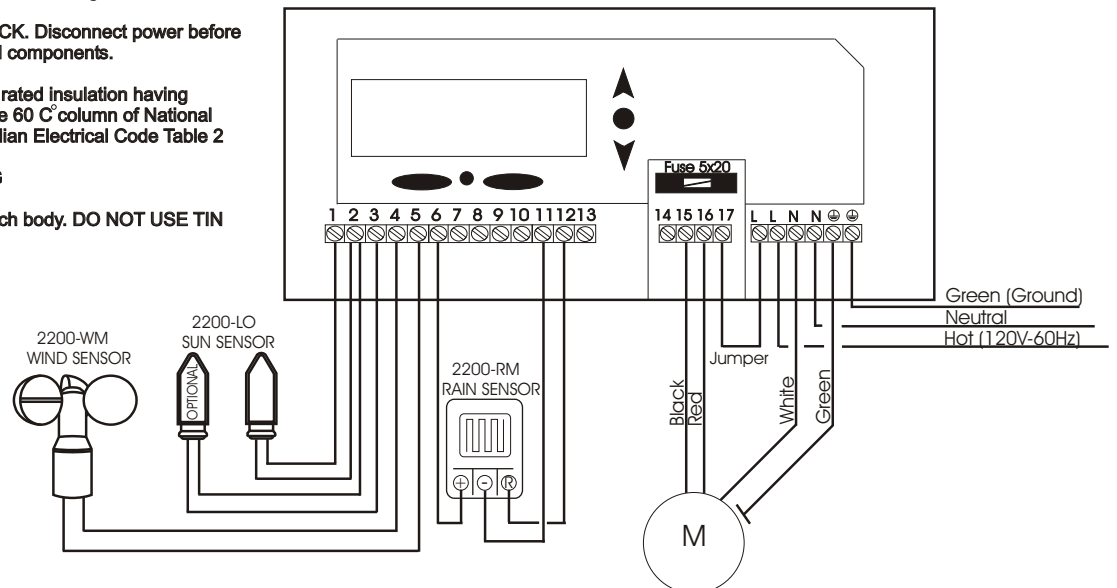
NOTICE: For installation by a qualified electrician in accordance with national and local electrical codes, and the following instructions.

CAUTION: RISK OF ELECTRICAL SHOCK. Disconnect power before installing. Never wire energized electrical components.

Select conductors having 90 C° or higher rated insulation having sufficient ampacity in accordance with the 60 C° column of National Electrical Code R Table 310-16 or Canadian Electrical Code Table 2

Terminal capacity: #14 AWG to #10 AWG

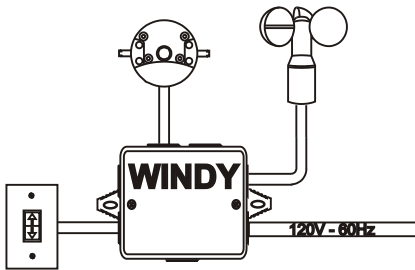
Strip conductors using strip gage on switch body. **DO NOT USE TIN CONDUCTORS.**





Operator Electronic Control Systems

Automatic Environmental Controls



The WINDY is designed to retract a motorized awning or sun shade during windy conditions, whether your home or away. The WINDY can also be used to close other window treatments such as rolling shutters during those same windy conditions. The wind sensor is adjustable and the automatic wind protection function is designed to override the manual switch during high wind gusts. Other features of the WINDY include the use of standard switches. Choose from designer switches, toggle switches or rocker switches.

Reference	Unit Function
2005721	Wind Control for Awnings and Shades
2009089	Wind Control for Rolling Shutters

Wiring for one motor and one Windy

NOTICE: For installation by a qualified electrician in accordance with national and local electrical codes, and the following instructions.

CAUTION: RISK OF ELECTRICAL SHOCK. Disconnect power before installing. Never wire energized electrical components.

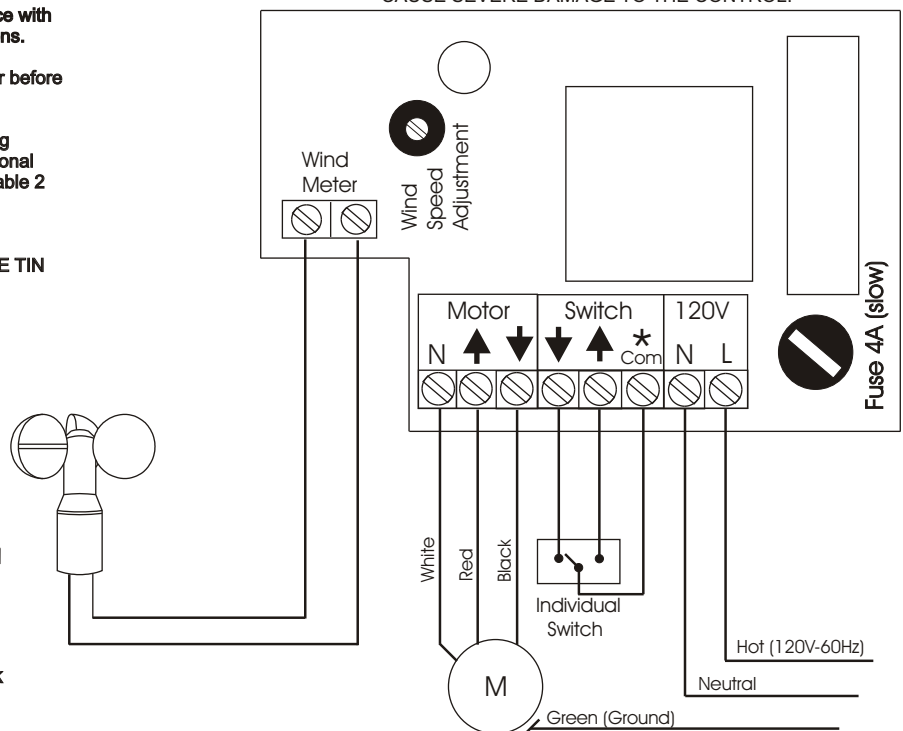
Select conductors having 90 C° or higher rated insulation having sufficient ampacity in accordance with the 60 C° column of National Electrical Code R Table 310-16 or Canadian Electrical Code Table 2

Terminal capacity: #14 AWG to #10 AWG

Strip conductors using strip gage on switch body. **DO NOT USE TIN CONDUCTORS.**

* WARNING

THE "SWITCH COM" IS AN INTERNALLY PROVIDED HOT (115VAC) POWER AND IS ONLY CONNECTED TO COMMON TERMINAL OF THE SWITCH. **DO NOT** CONNECT TO ANY EXTERNAL VOLTAGE SOURCE (LINE POWER: HOT OR NEUTRAL) AS THIS WILL CAUSE SEVERE DAMAGE TO THE CONTROL.



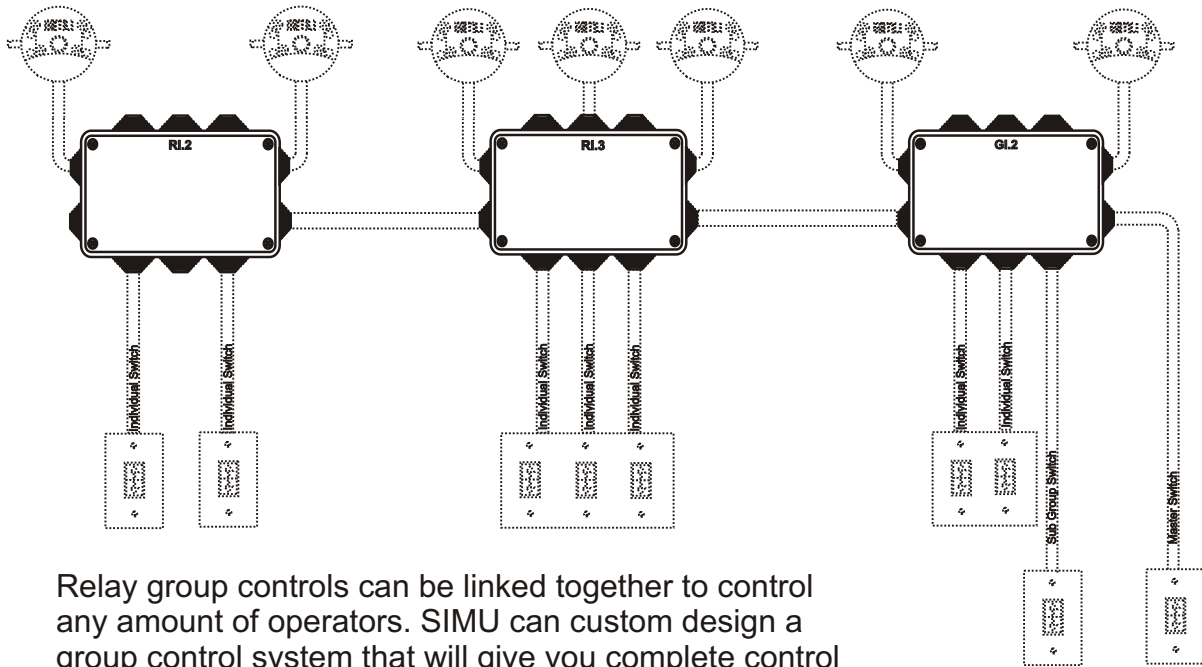
* NOTE:

Turn the wind speed adjustment down to minimum. Spin the wind sensor and confirm the windy activates in the correct direction. If the windy activates the motor in the wrong direction at a wind signal, reverse the red and black motor leads. Remember to turn the wind speed adjustment back up after testing.



Operator Electronic Control Systems

Group Control Relays



Relay group controls can be linked together to control any amount of operators. SIMU can custom design a group control system that will give you complete control of your SIMU operators.

Reference	Unit Function
2282074	Two Motor Relay Group Control (master, individual) (RI.2)
2282075	Three Motor Relay Group Control (master, individual) (RI.3)
2282028	Two Motor Relay Group Control (master, sub group, individual) (GI.2)
2282018	Two Motor Relay Group Control (24-Volt switching) (RG.2)
2005718	Two Motor Relay Group Control (master, individual) Metal Box (RI.2M)
2005719	Three Motor Relay Group Control (master, individual) Metal Box (RI.3M)
2005717	Two Motor Relay Group Control (24-Volt switching) Metal Box (RG.2M)

NOTICE: For installation by a qualified electrician in accordance with national and local electrical codes, and the following instructions.

CAUTION: RISK OF ELECTRICAL SHOCK. Disconnect power before installing. Never wire energized electrical components.

Select conductors having 90 C or higher rated insulation having sufficient ampacity in accordance with the 60 C column of National Electrical Code R Table 310-16 or Canadian Electrical Code Table 2

Terminal capacity: #14 AWG to #10 AWG

Strip conductors using strip gage on switch body. DO NOT USE TIN CONDUCTORS.

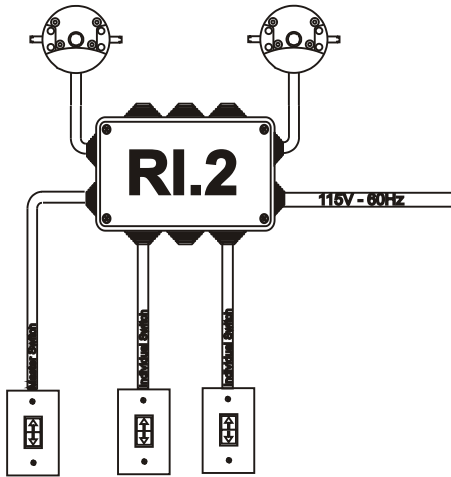
- Ground (Green) \perp
- Hot Power L1 (Black)
- Common N (White)
- M Motor
- P Power to Ind. Switch
- ↑↓ Motor Direction (Red/Black)

Note: Connections are only at terminals

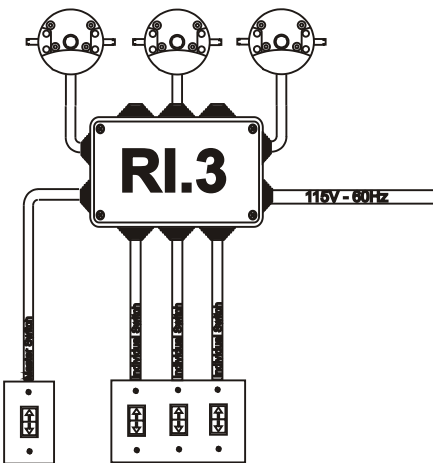
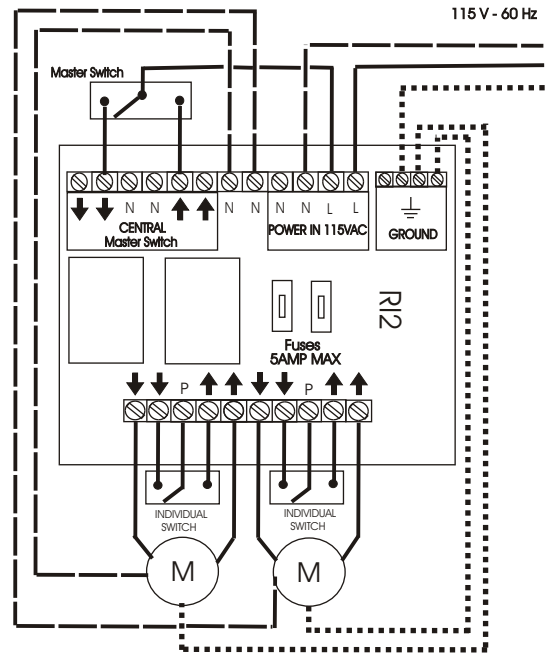


Operator Electronic Control Systems

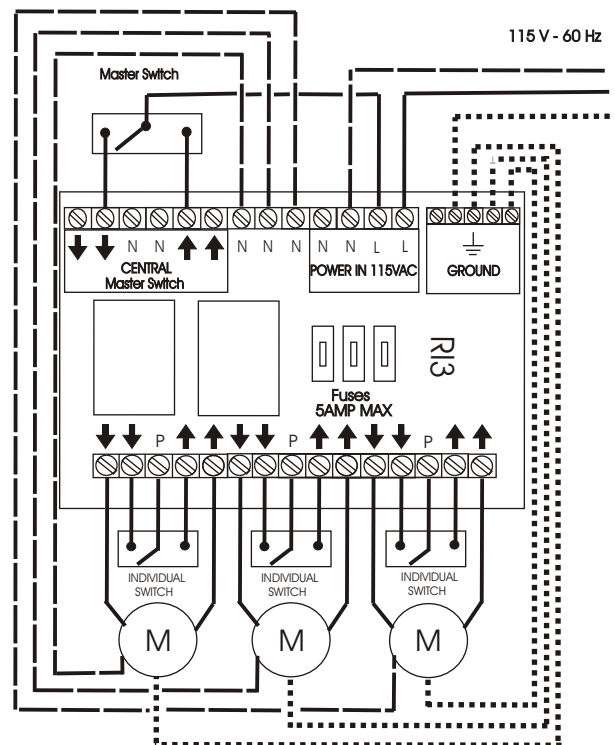
Wiring Relays



- * Two Motors
- * One Momentary Master Switch
- * Two Momentary Individual Control Switches



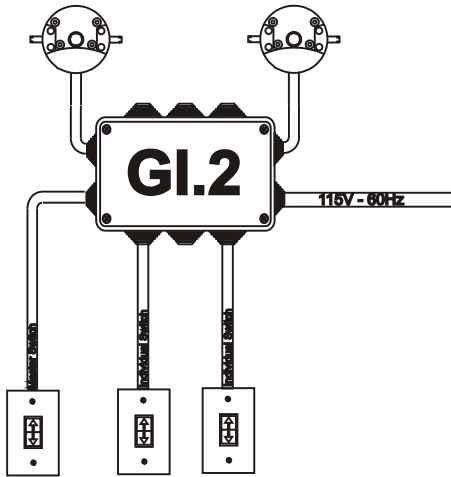
- * Three Motors
- * One Momentary Master Switch
- * Three Momentary Individual Control Switches



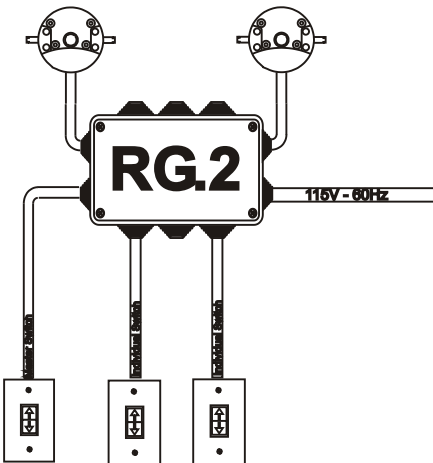
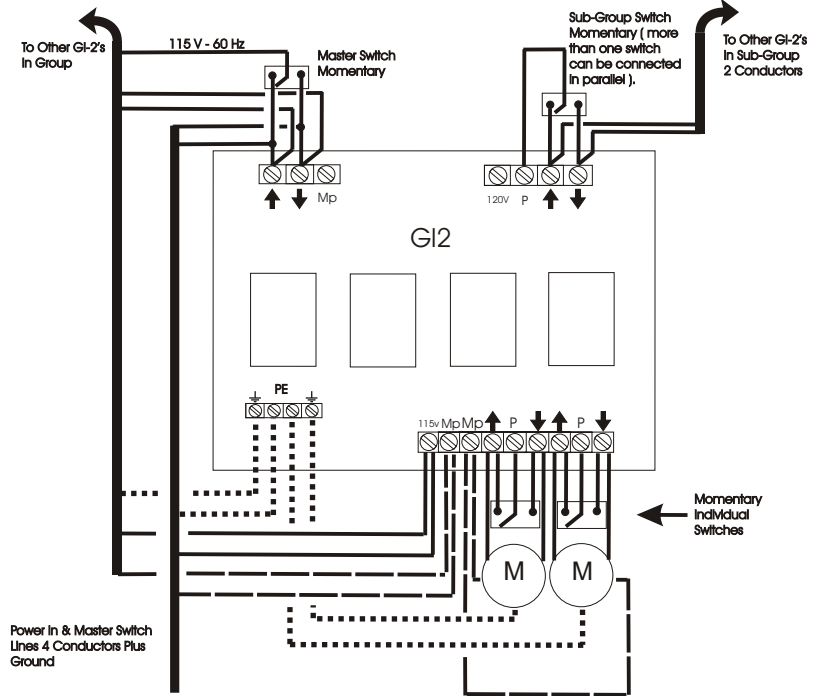


Operator Electronic Control Systems

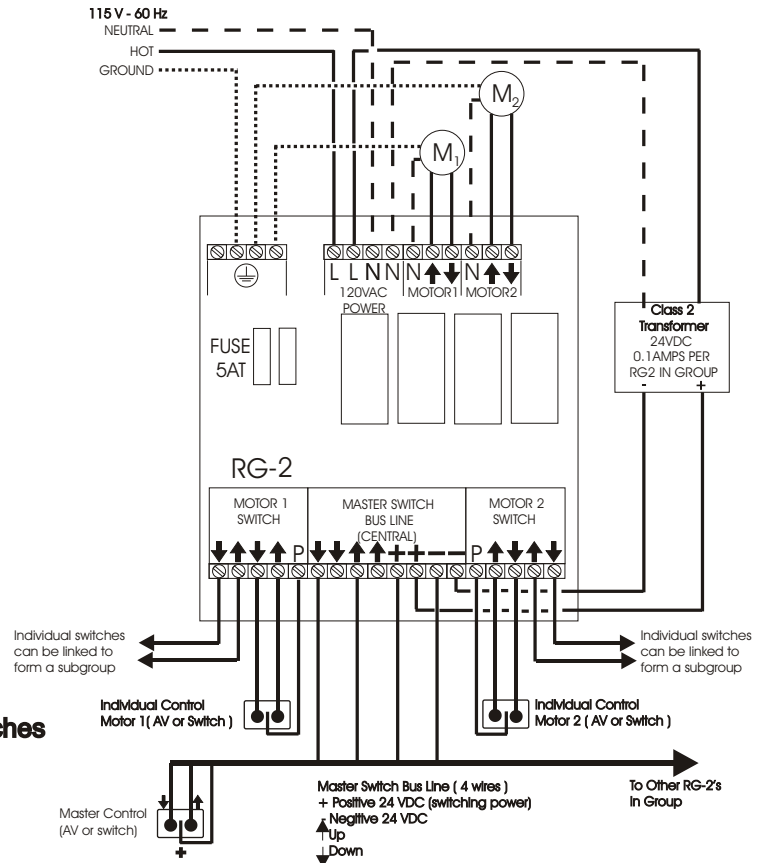
Wiring Relays



- * Two Motors
- * One Momentary Master Switch
- * One Momentary Sub Group Switch
- * Two Momentary Individual Control Switches



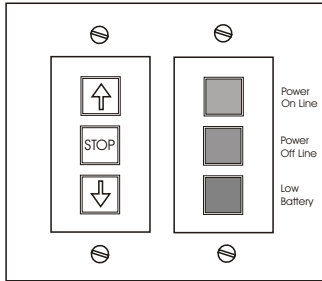
- * Two Motors
- * Low-Voltage Momentary Master Switch
- * Two Low-Voltage Momentary Individual Control Switches





Operator Electronic Control Systems Low Voltage

Battery Back-up System



Never be without POWER!

The BBU is designed to provide you with constant power to any SIMU DC operator. The BBU operates from a battery that is charging while standard AC current is available. Three LED lights on the front of the unit keep you informed on your current power conditions. The unit also has additional dry contact connections for external switching devices such as home automation systems.

Reference	Description
2005715	Battery back up system with warning lights (white)
2005716	Battery back up system with warning lights (ivory)
2005586	Battery Replacement 12v 1.2 amp hour

Wiring for one DC motor and one BBS Unit

NOTICE: For installation by a qualified electrician in accordance with national and local electrical codes, and the following instructions.

CAUTION: RISK OF ELECTRICAL SHOCK. Disconnect power before installing. Never wire energized electrical components.

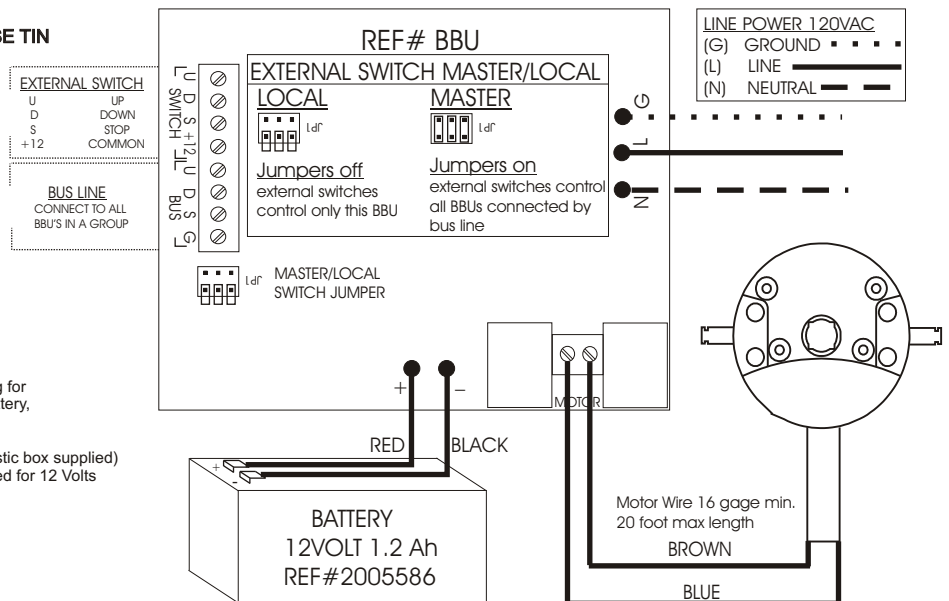
Select conductors having 90 °C or higher rated insulation having sufficient ampacity in accordance with the 60 °C column of National Electrical Code R Table 310-16 or Canadian Electrical Code Table 2

Terminal capacity: #14 AWG to #10 AWG

Strip conductors using strip gage on switch body. DO NOT USE TIN CONDUCTORS.

TECHNICAL DATA:

Input Voltage	120 VAC 50/60Hz
Input Current	50 mA
Motor Output Voltage	12 Volts Nominal
Motor Output Current	5 Amps Max. Polyfused
Battery Output	Voltage/Current Regulated Charging for 12 Volt 1.2 Ah Sealed Lead Acid Battery, 6.5 mA
Standby Battery Current	.9mA
Shut Down Battery Current	Size 3.5" X 2.5" (Fits in deep 2 gang plastic box supplied)
External Switching	N.O., Momentary Dry Contacts Rated for 12 Volts
Bus Line	12 Volts DC



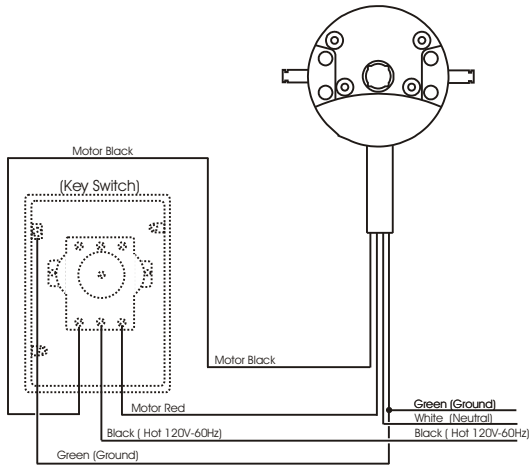


Operator Electronic Controls Security Key Switches

Items	Reference	Description
	<p>2001547</p> <p>2001549</p>	<p>Single Pole, Double Throw, Maintained Contact</p> <p>-Surface mount</p> <p style="text-align: right;">* 3 keys included.</p> <p>-Recessed mount</p>
	<p>2001548</p> <p>2001550</p>	<p>Single Pole, Double Throw, Momentary Contact</p> <p>-Surface mount</p> <p style="text-align: right;">* 3 keys included.</p> <p>-Recessed mount</p>
	<p>2001551</p> <p>2001552</p>	<p>Single Pole, Single Throw, Momentary Contact</p> <p>-Surface mount</p> <p style="text-align: right;">* 3 keys included.</p> <p>-Recessed mount</p>
	<p>2005616</p>	<p>Commercial Grade Single Pole, Double Throw, Momentary Contact</p> <p>-Surface mount</p> <p style="text-align: right;">* 3 keys included.</p>
	<p>2005614</p>	<p>Commercial Grade Single Pole, Double Throw, Momentary Contact</p> <p>-Recessed mount</p> <p style="text-align: right;">* 3 keys included.</p>
	<p>2005752</p> <p>2005613</p>	<p>Standard Key Switch Extra Keys</p> <p>Commercial Grade Extra Keys</p>



Operator Electronic Controls Security Key Switches

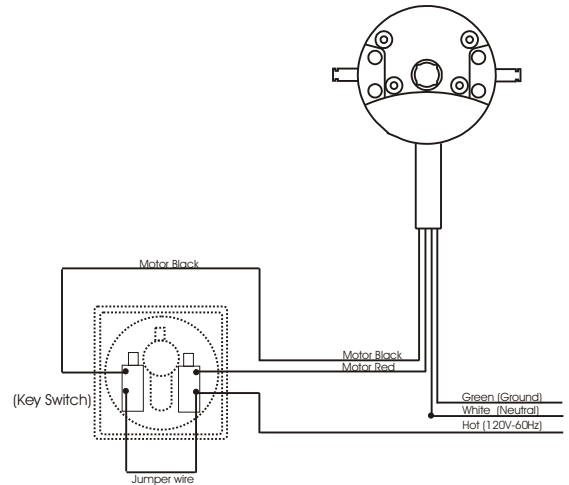


Key Switch

- One Motor
- One Key Switch

Reference Numbers

- 2001547 - Maintained key switch, surface mount
- 2001549 - Maintained key switch, recessed mount

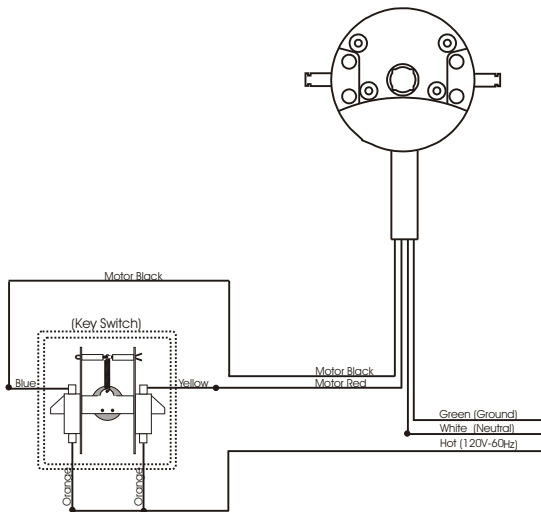


Key Switch

- One Motor
- One Key Switch

Reference Numbers

- 2001548 - Momentary key switch, surface mount
- 2001550 - Momentary key switch, recessed mount



Key Switch

- One Motor
- One Key Switch

Reference Numbers

- 2005616 Momentary key switch, surface mount
- 2005614 Momentary key switch, recessed mount

Wiring for one motor and one key switch

NOTICE: For installation by a qualified electrician in accordance with national and local electrical codes, and the following instructions.

CAUTION: RISK OF ELECTRICAL SHOCK. Disconnect power before installing. Never wire energized electrical components.

Select conductors having 90 °C or higher rated insulation having sufficient ampacity in accordance with the 60 °C column of National Electrical Code R Table 310-16 or Canadian Electrical Code Table 2

Terminal capacity: #14 AWG to #10 AWG

Strip conductors using strip gage on switch body. **DO NOT USE TIN CONDUCTORS.**


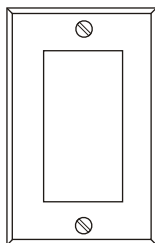
Warning

DO NOT wire more than one operator to a single pole switch. A second operator can be wired to the second pole of a double pole switch.

DO NOT connect two switches to an operator without a relay.



Operator Electronic Controls Designer Switches

Items	Reference	Description		
	2005553 2005558 2005526	Designer Switch - Single Pole, Double Throw (Maintained - Ivory) Designer Switch - Single Pole, Double Throw (Momentary - Ivory) Designer Switch - Double Pole, Double Throw (Maintained - Ivory)		
	2005554 2005559 2005527	Designer Switch - Single Pole, Double Throw (Maintained - White) Designer Switch - Single Pole, Double Throw (Momentary - White) Designer Switch - Double Pole, Double Throw (Maintained - White)		
	2005549 2005555 2005525	Designer Switch - Single Pole, Double Throw (Maintained - Almond) Designer Switch - Single Pole, Double Throw (Momentary - Almond) Designer Switch - Double Pole, Double Throw (Maintained - Almond)		
	2005550 2005556	Designer Switch - Single Pole, Double Throw (Maintained - Black) Designer Switch - Single Pole, Double Throw (Momentary - Black)		
	Designer Cover Plates	2005532 2005536 2005539	Designer Cover Plate 1 Gang, Ivory Designer Cover Plate 2 Gang, Ivory Designer Cover Plate 3 Gang, Ivory	
		2005533 2005537 2005540	Designer Cover Plate 1 Gang, White Designer Cover Plate 2 Gang, White Designer Cover Plate 3 Gang, White	
		2005528 2005534 2005538	Designer Cover Plate 1 Gang, Almond Designer Cover Plate 2 Gang, Almond Designer Cover Plate 3 Gang, Almond	
		2005529 2005535	Designer Cover Plate 1 Gang, Black Designer Cover Plate 2 Gang, Black	
				

Wiring for one motor and one designer switch

NOTICE: For installation by a qualified electrician in accordance with national and local electrical codes, and the following instructions.

CAUTION: RISK OF ELECTRICAL SHOCK. Disconnect power before installing. Never wire energized electrical components.

Select conductors having 90 C or higher rated insulation having sufficient ampacity in accordance with the 60 C column of National Electrical Code R Table 310-16 or Canadian Electrical Code Table 2

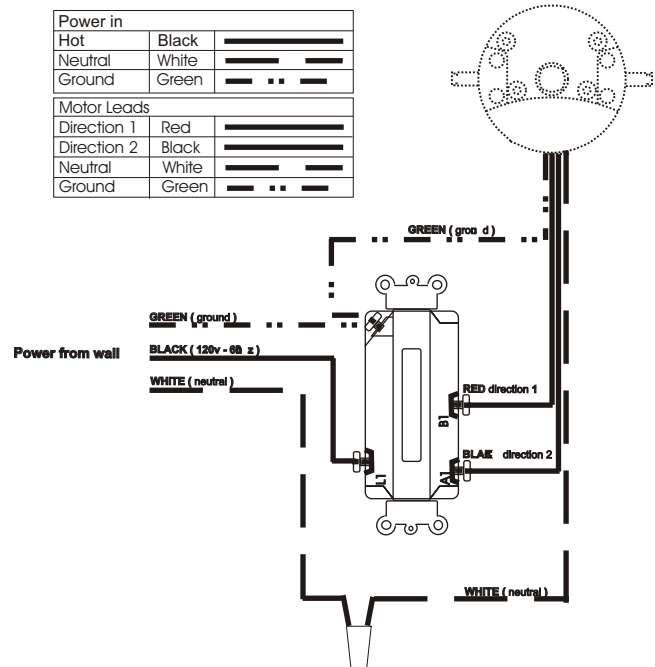
Terminal capacity: #14 AWG to #10 AWG

Strip conductors using strip gage on switch body. **DO NOT USE TIN CONDUCTORS.**

Warning

DO NOT wire more than one operator to a single pole switch. A second operator can be wired to the second pole of a double pole switch.

DO NOT connect two switches to an operator without a relay.





Operator Electronic Controls Toggle Switches

Items	Reference	Description
	2005520	Toggle Switch - Single Pole, Double Throw (Maintained - Ivory)
	2005522	Toggle Switch - Single Pole, Double Throw (Momentary - Ivory)
	2005514	Toggle Switch - Double Pole, Double Throw (Maintained - Ivory)
	2005521	Toggle Switch - Single Pole, Double Throw (Maintained - White)
	2005523	Toggle Switch - Single Pole, Double Throw (Momentary - White)
	2005515	Toggle Switch - Double Pole, Double Throw (Maintained - White)
Toggle Cover Plates 	2005516	Toggle Cover Plate 1 Gang, Ivory
	2005518	Toggle Cover Plate 2 Gang, Ivory
	2005517	Toggle Cover Plate 1 Gang, White
	2005519	Toggle Cover Plate 2 Gang, White

Wiring for one motor and one toggle switch

NOTICE: For installation by a qualified electrician in accordance with national and local electrical codes, and the following instructions.

CAUTION: RISK OF ELECTRICAL SHOCK. Disconnect power before installing. Never wire energized electrical components.

Select conductors having 90 C° or higher rated insulation having sufficient ampacity in accordance with the 60 C° column of National Electrical Code R Table 310-16 or Canadian Electrical Code Table 2

Terminal capacity: #14 AWG to #10 AWG

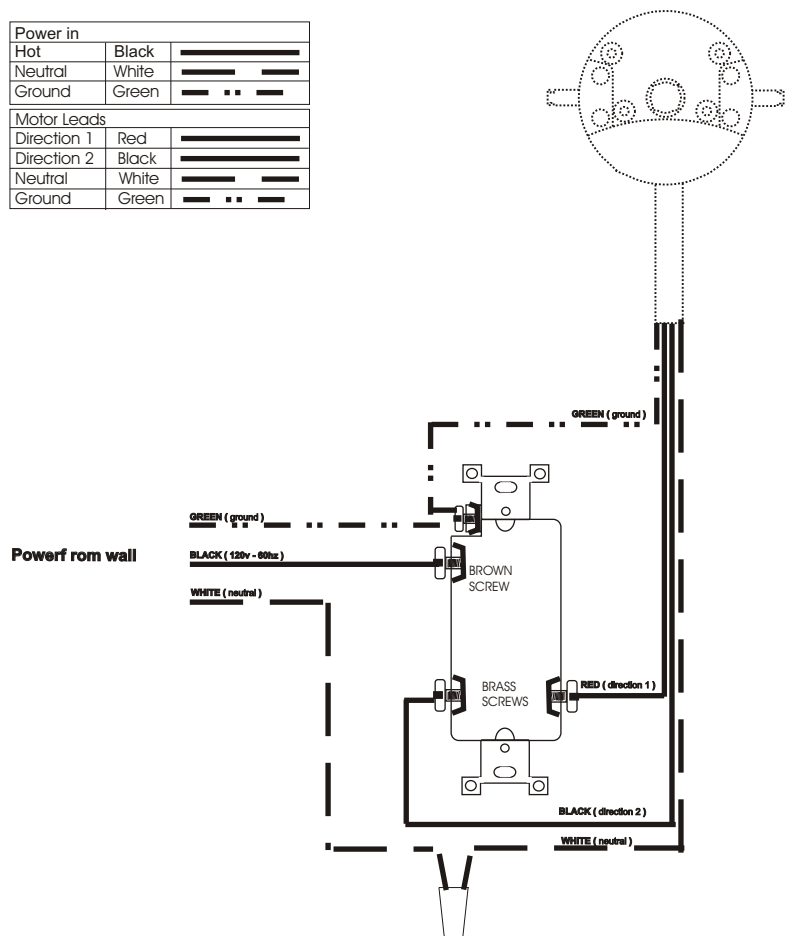
Strip conductors using strip gage on switch body. DO NOT USE TIN CONDUCTORS.

Warning

DO NOT wire more than one operator to a single pole switch. A second operator can be wired to the second pole of a double pole switch.


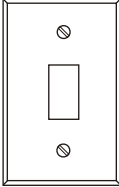
DO NOT connect two switches to an operator without a relay.

Power in		
Hot	Black	=====
Neutral	White	=====
Ground	Green	- - - - -
Motor Leads		
Direction 1	Red	=====
Direction 2	Black	=====
Neutral	White	=====
Ground	Green	- - - - -





Operator Electronic Controls Rocker Switches

Items	Reference Switch Only	Reference Switch Kit	Description
	2005598 2005600	2005682 2005684	Rocker Switch - Single Pole, Double Throw (Maintained - White) Rocker Switch - Single Pole, Double Throw (Momentary - White) - Switch kit includes: switch, back plate, cover plate and mounting screws
Rocker Cover Plates 		2005657 2005662 2005668	Rocker Cover Plate Kit 1 Gang White Rocker Cover Plate Kit 2 Gang White Rocker Cover Plate Kit 3 Gang White -Includes cover plate, back plate and mounting screws.

Wiring for one motor and one rocker switch

NOTICE: For installation by a qualified electrician in accordance with national and local electrical codes, and the following instructions.

CAUTION: RISK OF ELECTRICAL SHOCK. Disconnect power before installing. Never wire energized electrical components.

Select conductors having 90 C° or higher rated insulation having sufficient ampacity in accordance with the 60 C° column of National Electrical Code R Table 310-16 or Canadian Electrical Code Table 2

Terminal capacity: #14 AWG to #10 AWG

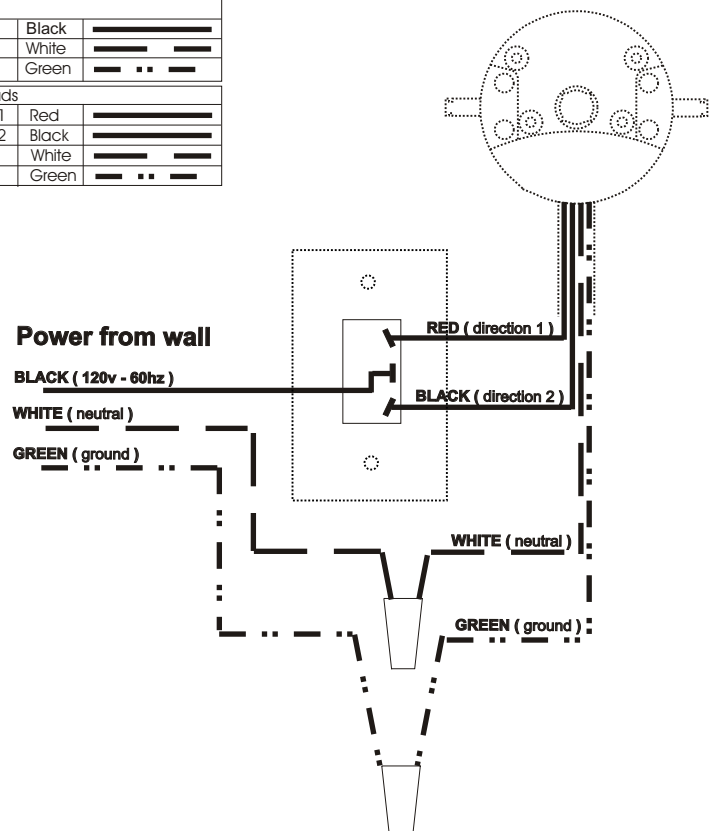
Strip conductors using strip gage on switch body. DO NOT USE TIN CONDUCTORS.

Warning

DO NOT wire more than one operator to a single pole switch. A second operator can be wired to the second pole of a double pole switch.

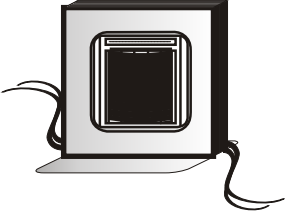

DO NOT connect two switches to an operator without a relay.

Power in		
Hot	Black	—————
Neutral	White	—————
Ground	Green	— · · —
Motor Leads		
Direction 1	Red	—————
Direction 2	Black	—————
Neutral	White	—————
Ground	Green	— · · —





Operator Electronic Controls Transformers and Motor Cable

Items	Reference	Description
<p>Transformers</p> 	<p>2005968 2005647 2005637</p> <p>2005604 2005605 2005639 2005641</p>	<p>HARDWIRE - 6 AMP - 12 VOLTS HARDWIRE - 8 AMP - 12 VOLTS HARDWIRE - 10 AMP - 12 VOLTS</p> <p>HARDWIRE - 6 AMP - 24 VOLTS HARDWIRE - 8 AMP - 24 VOLTS HARDWIRE - 10 AMP - 24 VOLTS HARDWIRE - 12 AMP - 24 VOLTS</p>
	<p>9128097 2005749</p>	<p>3 CONDUCTORS PLUS GROUND (white) 3 CONDUCTORS PLUS GROUND (gray)</p>