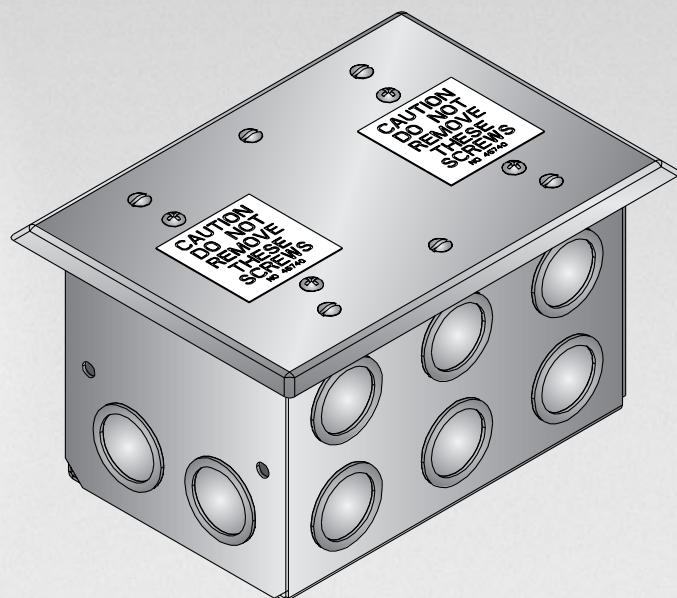


*The*  
**POWER** *In*  
**PRESENTATION PRODUCTS**



**Installation and Operating Instructions For  
DUAL MOTOR LOW VOLTAGE CONTROL  
(DMC)**



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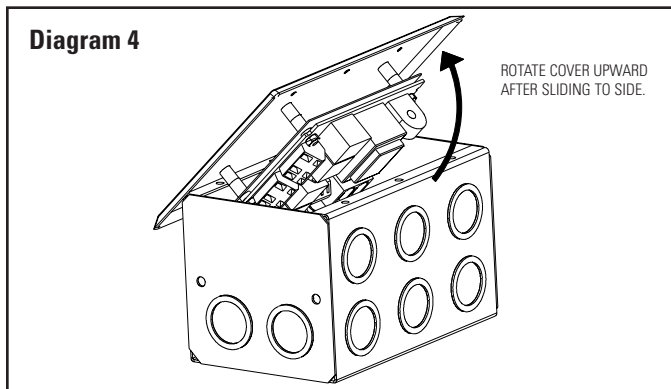
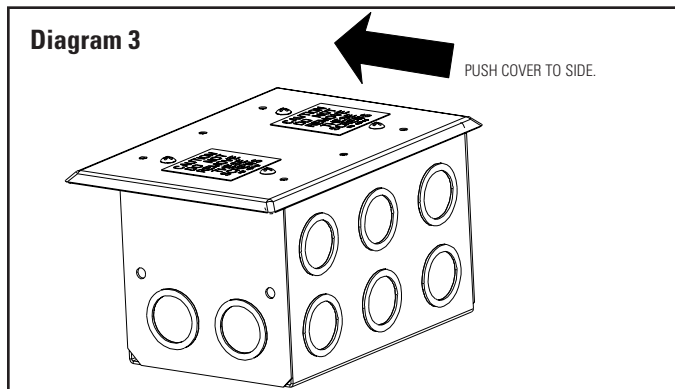
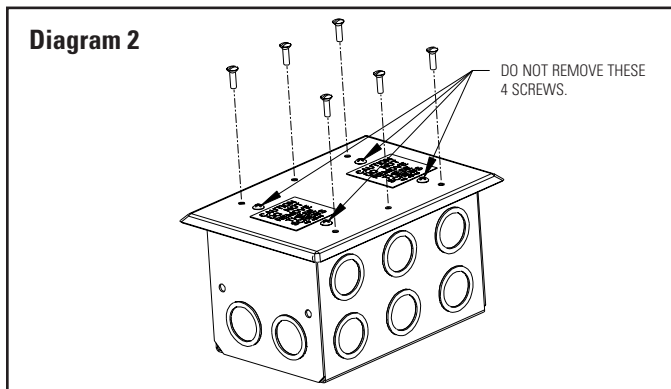
## INSTALLATION

**WARNING:** To prevent electrical shock or damage to the Dual Motor Low Voltage Control (DMC), do not apply power to the DMC until all connections are complete. Make sure power is turned off on all wires before making connections.

### To Open the Unit

To open the unit, please follow these instructions and diagrams 2, 3, and 4.

1. Remove the six screws that hold the cover plate to the box (**DO NOT REMOVE the 4 screws in the middle of the cover plate; these hold the circuit board to the cover plate.**) See diagram 2.
2. Upon removing the screws, push the cover plate to the side of the box. See diagram 3
3. Rotate up and remove. See diagram 4



### LOW VOLTAGE CONNECTIONS:

#### Wall Switch

1. Install wall switch where desired.
2. Use 3-conductor 20-24 gauge wire to extend the switch wire to the DMC location.
3. Connect the wire from the switch to the switch terminal as shown in diagram 5.



**CAUTION: Never apply more than 24 volts to the wall switch terminal or the DMC will be damaged.**

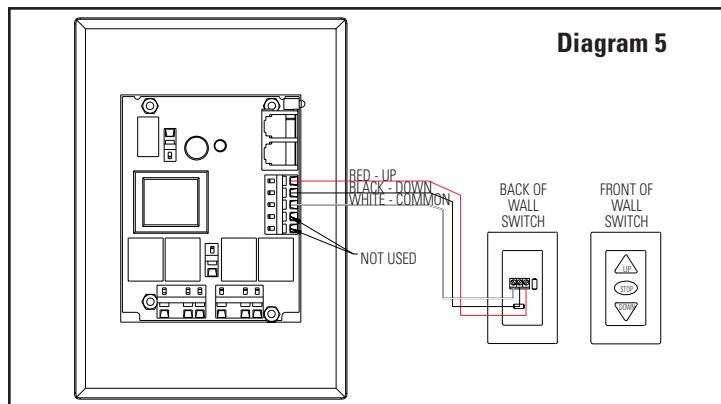
#### Third Party Control System

A third party control system may be connected to the DMC by using the wall switch terminal. The third party control system must provide a momentary, dry contact closure of at least 1/2 second.

1. Use 3-conductor 20-24 gauge wire to connect the third party control system to the wall switch terminal.
2. A momentary closure across the white and red wires will be an "up" command.
3. A momentary closure across the white and black wires will be a "down" command.
4. A momentary closure across the white, red and black wires will be a "stop" command.



**CAUTION: Never apply more than 24 volts to the wall switch terminal or the DMC will be damaged.**

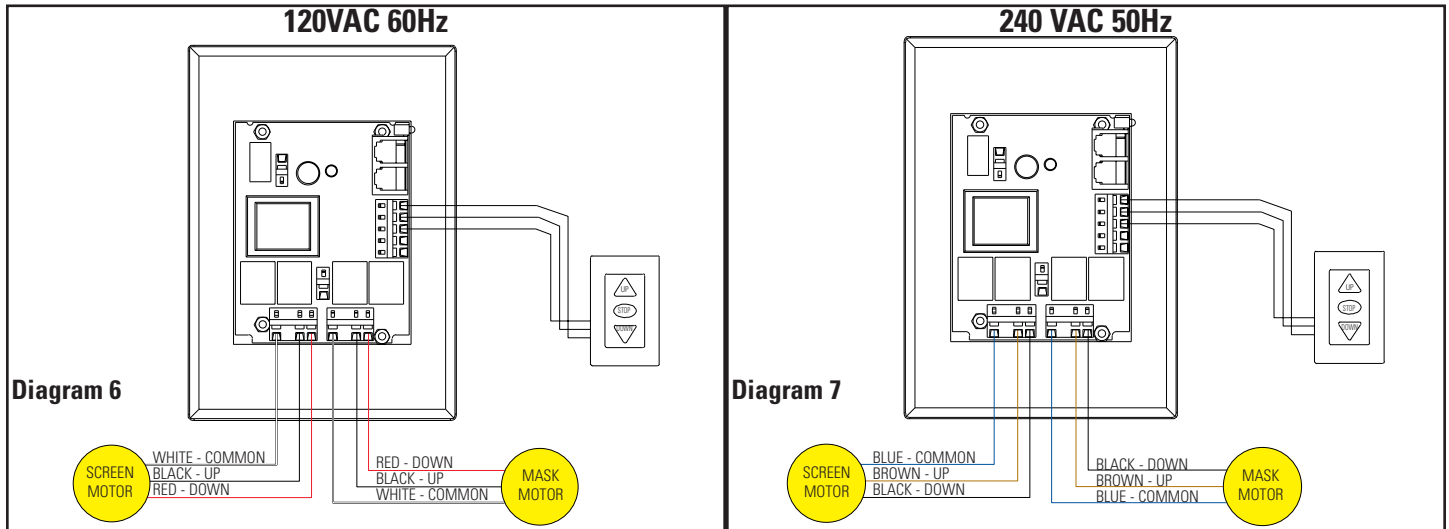


# INSTALLATION

## AC POWER CONNECTIONS:

### Dual Masking Electrol®

1. Connect the motor wires in the screen junction box to the DMC terminals as shown in diagrams 6 or 7.
2. Use 14-18 gauge wire to extend the motor wire to the required length.

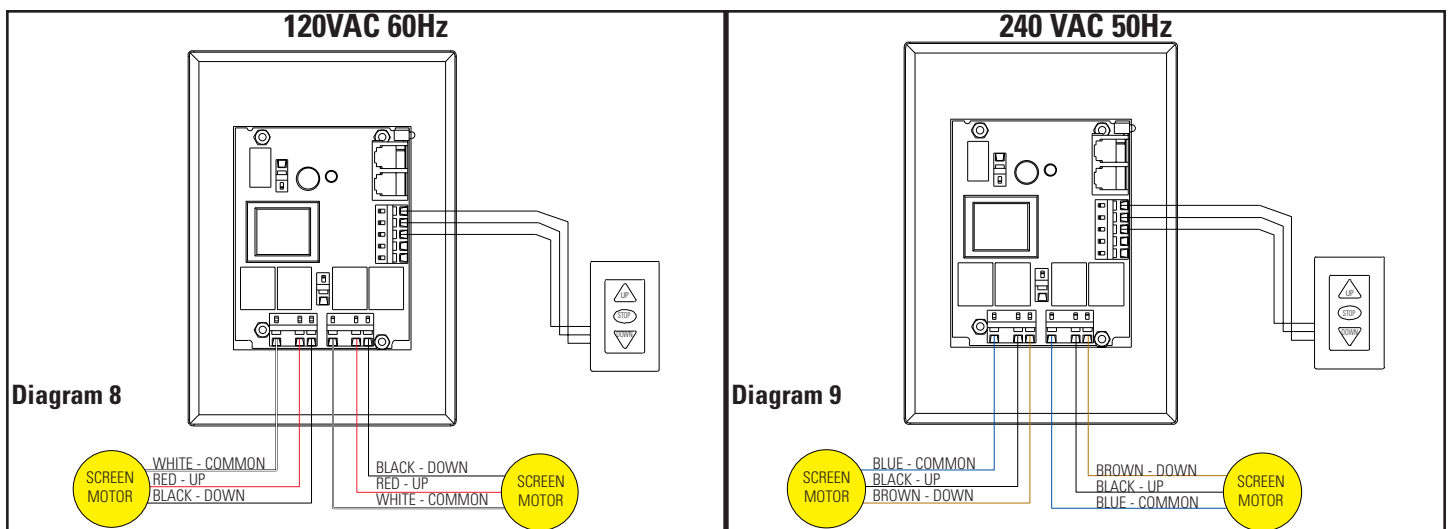


### Two Electrol® Screen Application

(Not for use with Ascender®, Horizon, or Motorized Scenic Roller. Cannot be used with other Electrol® models with a built in Low Voltage Control.)

In this application, the second screen cannot be controlled independently.

1. Use 14-18 gauge wire to extend the motor wires to the DMC location.
2. Connect the motor wires in the screen junction boxes to the DMC as shown in diagrams 8 or 9.

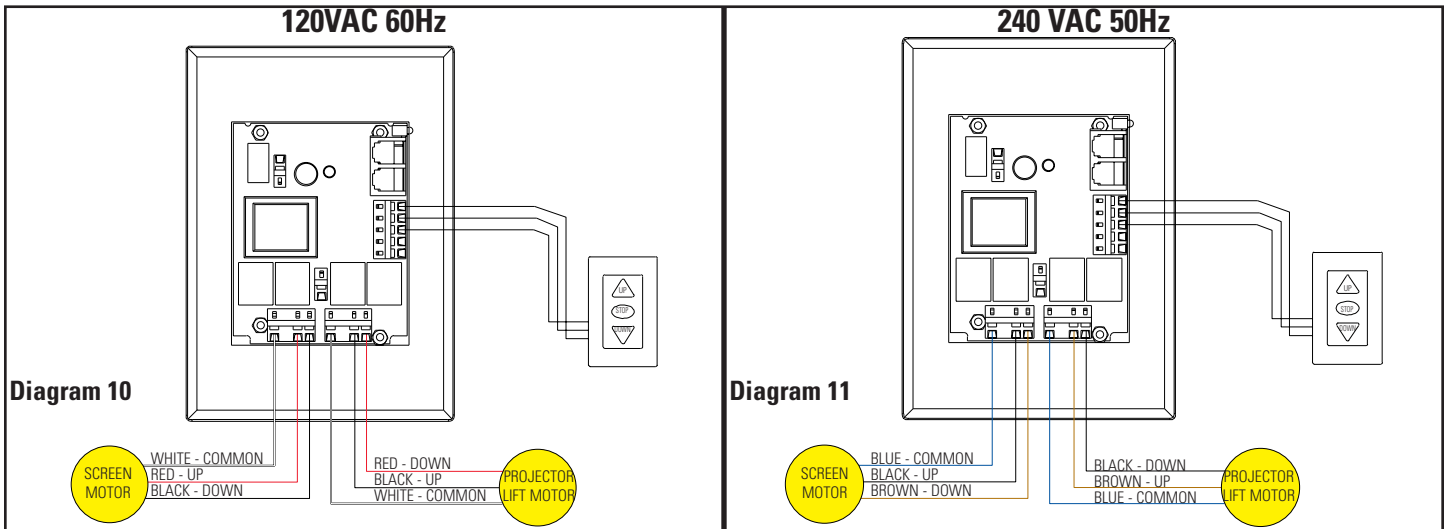


# INSTALLATION

## Electrol® Screen and Da-Lift Projector Lift

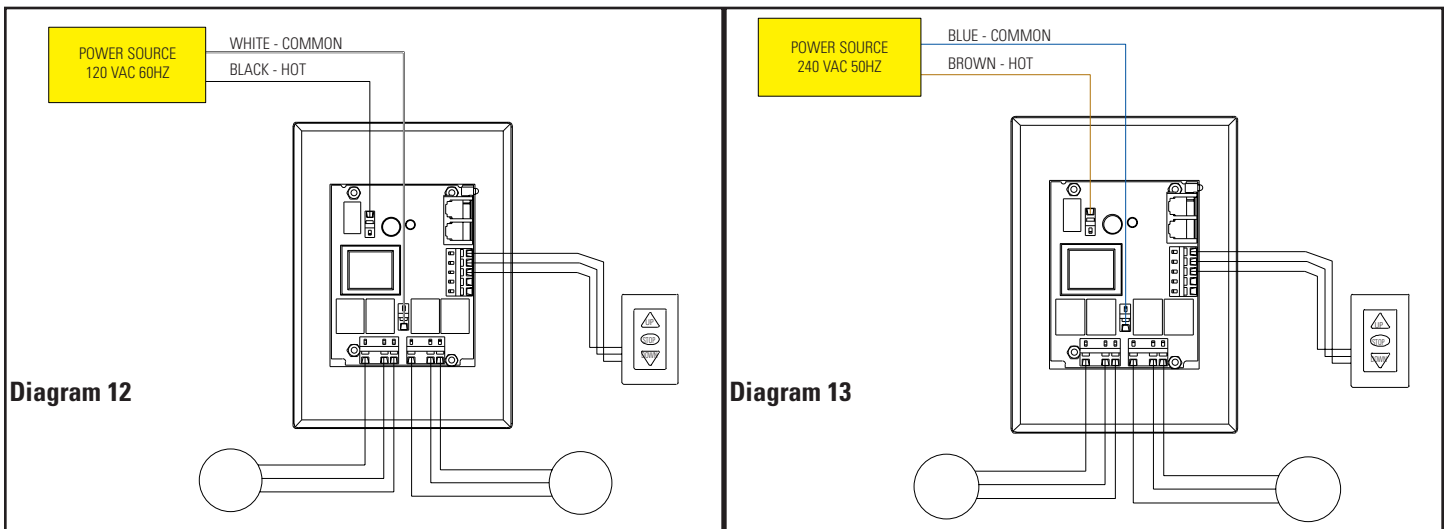
(Not for use with Ascender®, Horizon, or Motorized Scenic Roller. Cannot be used with other Electrol® models with a built in Low Voltage Control.)

1. Use 14-18 gauge wire to extend the motor wires to the DMC location.
2. Connect the motor wires in the screen and Da-Lift junction boxes to the DMC as shown in diagrams 10 or 11.



## AC Power Source

1. Connect power wires to the DMC terminal as shown in diagrams 12 or 13.
2. Grounding continuity: If metallic conduit is not used throughout the screen and control installation, grounding conductors are required to provide ground continuity between the screen and the DMC.



## INSTALLATION

### Operating the Dual Motor Controller

#### Motor A Only

1. Press the DOWN button once and the screen descends.
2. Press the UP button once and the screen ascends.

#### Motor A and B Combination

1. Press the DOWN button once and the screen descends.
2. Press the DOWN button again and the mask, second screen, or projector lift descends.
3. Press the UP button once and the mask, second screen, or projector lift ascends.
4. Press the UP button again and the screen ascends.

### OPTIONAL WIRELESS REMOTE CONNECTIONS:

#### Radio Frequency Remote

1. Attach the receiver adjacent to the DMC. Route the receiver wire into the DMC and plug it into the onboard socket. Refer to diagram 14.

#### Infrared Remote

1. Attach the receiver in a location visible from where the screen will be operated and away from fluorescent lights. Route the receiver wire into the DMC and plug it into the onboard socket. Refer to diagram 14.

