

INSTALLATION INSTRUCTIONS FOR
Video Projector Interface



Video Projector Interface Installation

The Video Projector Interface (VPI) housing is divided into three compartments. The compartment labeled “Low Voltage Connections” is where you will connect the VPI to the projector’s output and wall switch wire connections. The compartment labeled “AC Power Connections” is where the main power and motor wire connections are made. Access is not required to the center compartment.

⚠ WARNING: To prevent electrical shock or damage to the Video Projector Interface (VPI), do not apply power to the VPI until all connections are complete. Make sure power is turned off on all circuits before making connections.

⚠ CAUTION: any item being connected to the VPI cannot be energized.

Low Voltage Connection

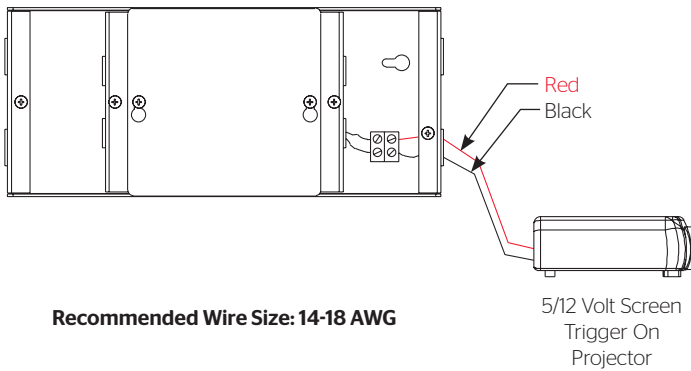
⚠ CAUTION: The projector must be turned off before connecting the trigger wires to the projector. Failure to do so may damage the controller.

1. Use 2-conductor 20-24 gauge wire to extend the low voltage connection from the projector’s 5 or 12-volt screen trigger output to the length required to reach the VPI. When extending the low voltage connection from the projector’s screen trigger output, be sure to maintain the proper polarity. the red wire from the VPI is the “signal” and the black wire from the VPI is the “ground”.

2. Connect the wires from the VPI that are labeled “Low Voltage Connection” to the end of the extended screen trigger wires above. See Figure 1.

⚠ CAUTION: Never apply voltage to the projector’s screen trigger wires or the VPI and/or projector will be damaged.

120V



240V

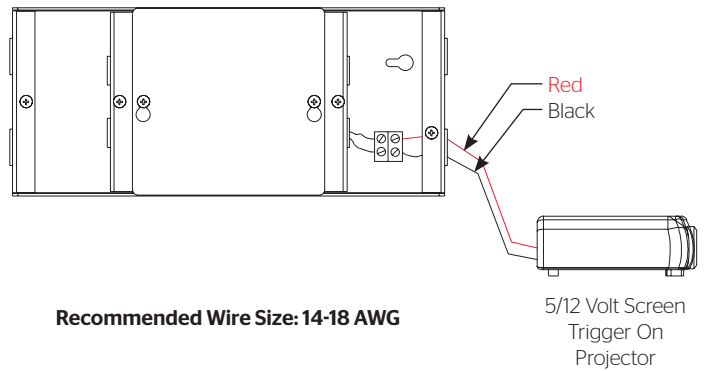


Figure 1

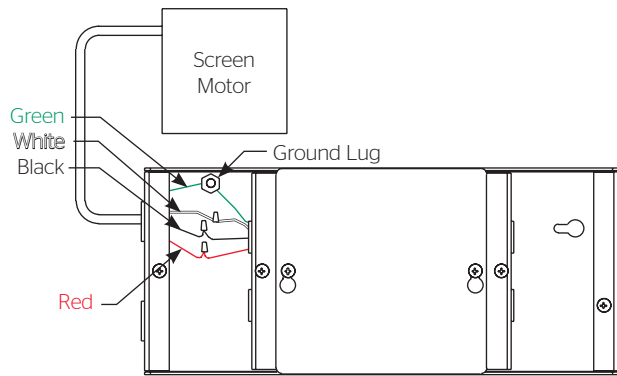
AC Power Connections

Screen Motor

1. Using 4-conductor, 14-18 gauge wire, extend the motor wires from the screen junction box to the length required to reach the VPI.
2. Connect the extended wires from the screen motor to the VPI wires that are labeled "motor wires". Refer to Figure 2.

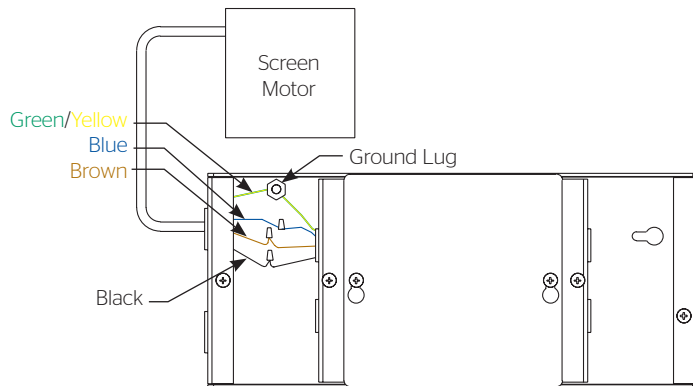
AC Power Source

120V



Recommended Wire Size: 14-18 AWG

240V



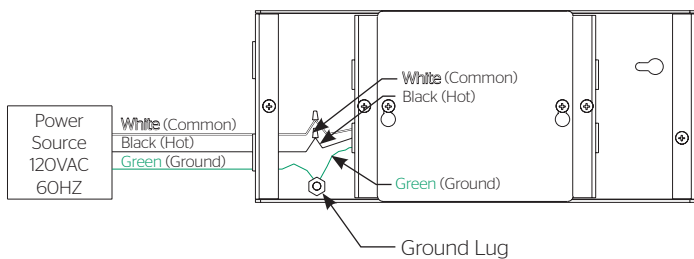
Recommended Wire Size: 14-18 AWG

Figure 2

1. Connect the incoming power wires to the VPI wires that are labeled "AC power input".
2. Connect the building ground wire to the ground lug on the metal housing. Refer to Figure 3.

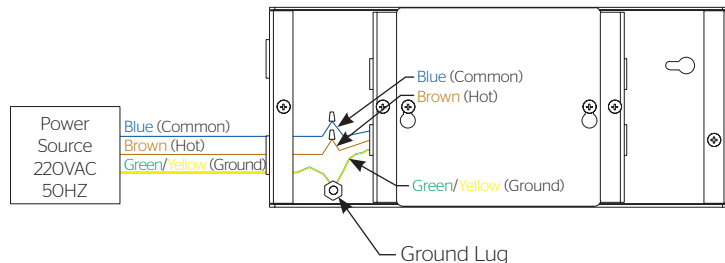
Wall Switch

120V



Recommended Wire Size: 14-18 AWG

240V



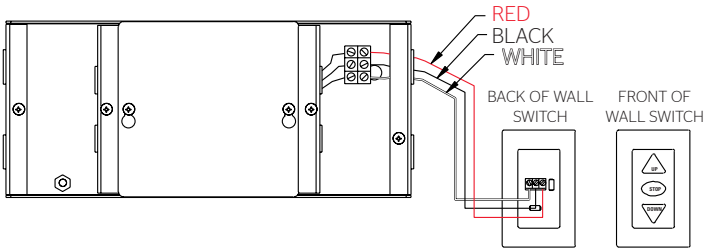
Recommended Wire Size: 14-18 AWG

Figure 3

AC Power Connections

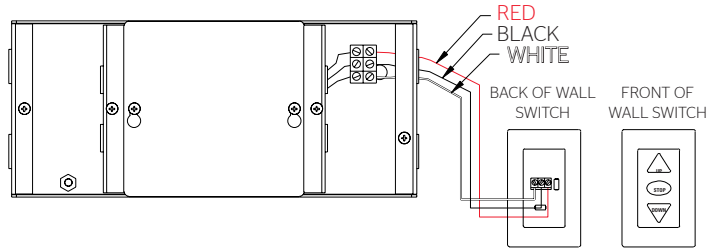
1. Using 3-conductor, 20-24 gauge wire, extend the wall switch wires from the back of the wall switch to the length required to reach the VPI.
2. Connect the extended wires from the wall switch to the VPI wires that are labeled "wall switch". Refer to Figure 4.

120V



NOTE: 20-24 AWG WIRE RECOMMENDED FOR CONNECTING WALL SWITCH TO VPI CONTROLLER

240V



NOTE: 20-24 AWG WIRE RECOMMENDED FOR CONNECTING WALL SWITCH TO VPI CONTROLLER

Figure 4



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