Stewart QW-752 Display Low Voltage Control Instructions

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Contents

PURPOSE

Instructions to correctly Install and operate Low Voltage controls.

Scope

This procedure applies to properly using & operating Stewart Filmscreen Low Voltage Control (SF LVC).

Definitions

The Stewart Filmscreen Low Voltage Control provides low voltage motor control using three different methods (contact closure, IR or RF). A low voltage switch can be connected that will control a motor with a push of a button. 3rd party control networks using contact closure relays can be utilized as well. Or, if remote access is desired, either a radio receiver or infrared sensor can be connected.

Reference Documents, Disclaimer

Attention: All electrical connections must conform to local and NEC codes. Stewart Filmscreen cannot be held liable for faulty or sub-standard wiring.

Procedures

Low Voltage Connections

1. Connect the supplied Stewart Filmscreen 3 button momentary switch to the switch input terminal block. Use a 4 – conductor hook up cable and follow the diagram that is located on the white label inside the steel housing. This input terminal (contact closure) will also accept signals from other devices such as computers, or audio video control systems. Multiple switches / relays can be used simultaneously as long as they are wired to this input in parallel and use only momentary switching operation. Improper wiring or the use of “latched” switches will present control problems.
2. If infrared control is used, connect the IR eye sensor to the small black plug in terminal located next to the switch input on the circuit board.
3. If a radio frequency remote module is used, it will connect to the radio input port that is located adjacent to the IR input on the circuit board.

Line Voltage Connections

1. Connect the motor power leads and the AC line voltage to the power strip terminal block located at the top side of the circuit board. Follow the diagram that is printed on the white label adjacent to this input block. It is advisable to use spade terminals on these connection wires.
2. Once all connections have been made and the main AC power is activated, you can test the system using the 3 small black push buttons that are located on the lower left edge of the circuit board.
3. Trouble shooting tip. Should there be an “open or short” presented at the low voltage input terminals, the LVC will not function. Therefore disconnect the switch input wires from the terminal and test the control / motor using only the 3 test buttons. If motor / control operates correctly, you will need to locate the switching fault at the switch, 3rd party controller or the wiring.

Electrical Specifications

Voltage Ratings:

INPUT:

Line Voltage:	115VAC +/- 10%	60 Hz
	230VAC +/- 10%	50 Hz
Low Voltage:	90 mA maximum consumption	

OUTPUT:

Fuse	10A	115/230VAC

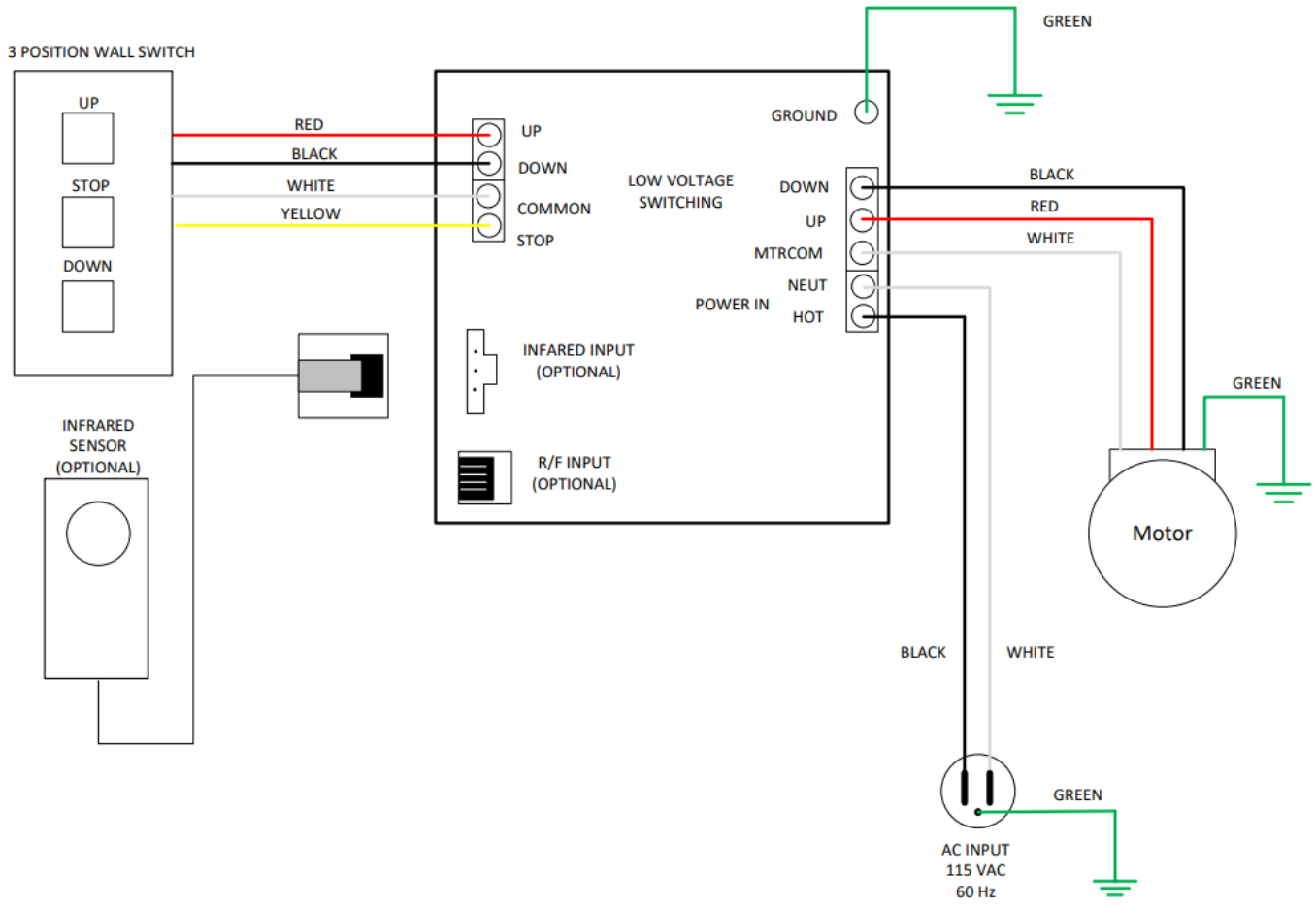
Enclosure Dimensions

10 ½" L x 4 ½" W x 2 ¼" H
Weight 3 lbs.

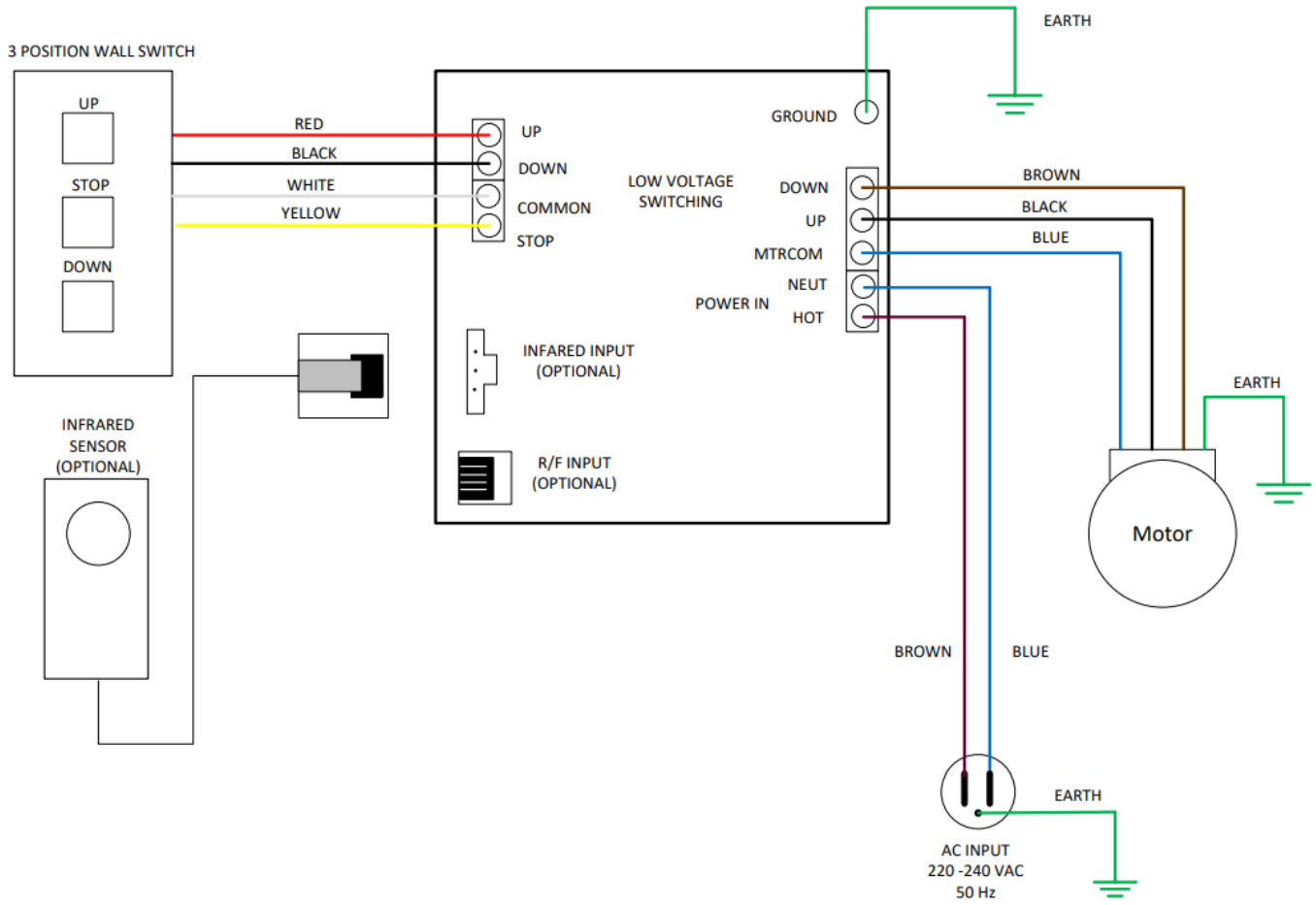
Electrical specifications may change without notice

Wiring diagram

115v Wiring diagram



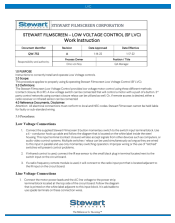
230v Wiring diagram



Quality Records:

Record Name	*Storage Location*	*Index Method*	*Retention*
Work Instruction	Quality Assurance Dept	Order Number	5 year min.

Documents / Resources

	Stewart QW-752 Display Low Voltage Control [pdf] Instructions QW-752 Display Low Voltage Control, QW-752, Display Low Voltage Control, Voltage Control, Control