		STEWART FILMSCREEN CORPORATION	
STEWART FILMSCREEN – Multi Option Screen Trigger (MOST) Work Instruction			
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Responsibility and authority:	Process Owner		Position / Title
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1.0 PURPOSE:

The Stewart Filmscreen MOST is a screen trigger interface device that uses a momentary pulse contact to engage the switching inputs of low voltage control boxes. In this fashion the user will be able to use another switch (typically a 3 button momentary) to operate the LVC equipped screen even while the MOST has already activated the screen to deploy. Crestron, AMX and other outboard video switching networks can also be used in conjunction with the MOST. The user can also operate the screen when the trigger signal (usually from the projector) is “Off”. This too makes it possible for the user to retract the screen even when the projector is “On”. The appearance of the box is the same as a standard Stewart Filmscreen VICS and uses similar internal circuitry however; it only will operate as designed, and not double as a high voltage output device like the VICS. The MOST box plugs into a constant 120 VAC outlet. A small 3 conductor hookup wire will then extend from the box and connect to the switching terminal of the low voltage control. The LED light will indicate the presence of a trigger signal (screen will deploy). The 3.5 mm input jack will receive a 5 to 18 VDC trigger signal (typically 12 VDC). See the wiring diagram for proper connection of the MOST.

2.0 Scope:

This procedure applies to electronic Screen Trigger.

3.0 Definitions:

MOST – Multi Option Screen Trigger (MOST).

4.0 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.

5.0 Procedures:

A. Connecting the MOST control box.

1. Use the attached small 3 conductor wire to connect the MOST to switching inputs of the screen's low voltage controller (LVC). (See diagram on page 2)

Color code for connection:

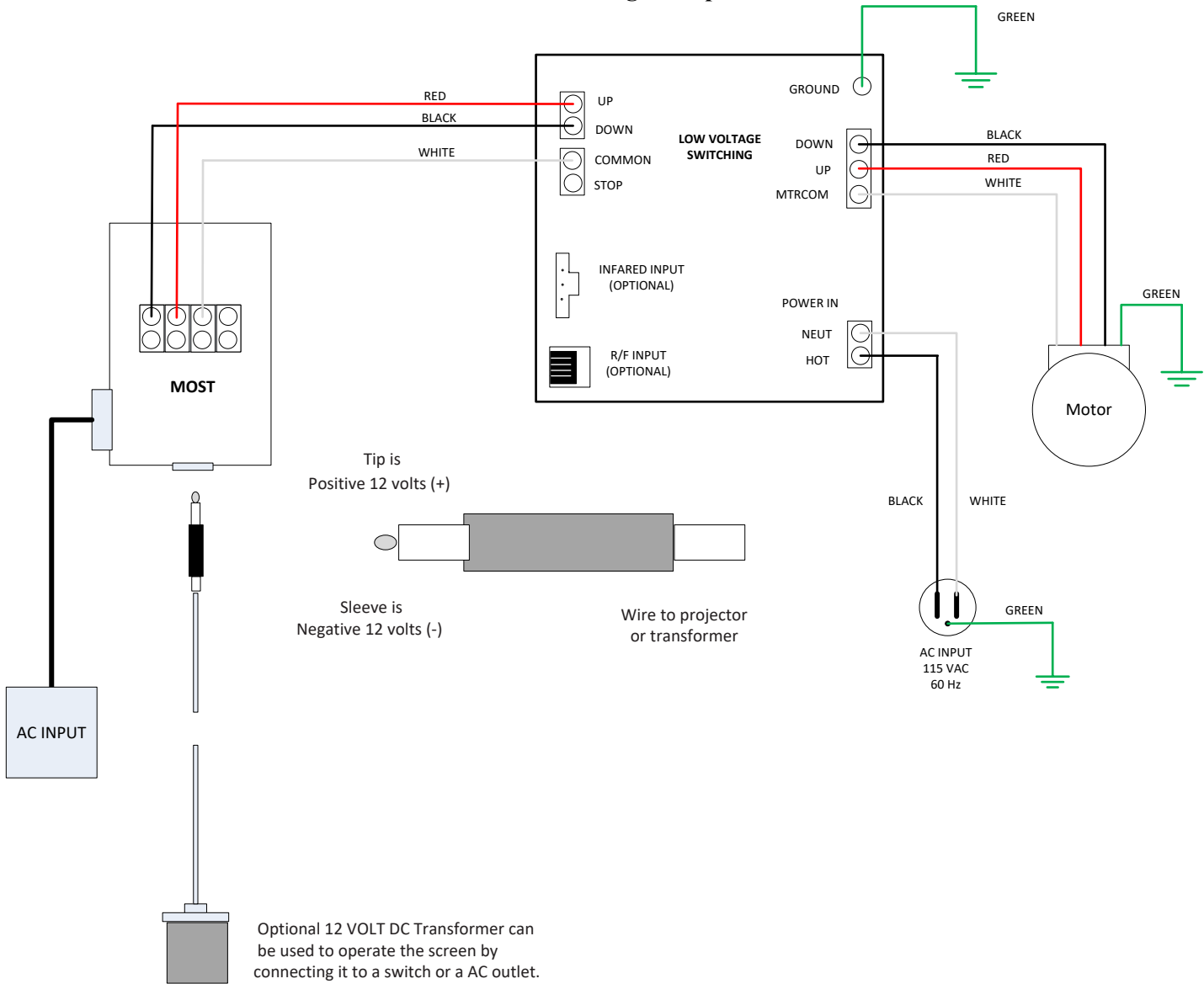
Red – Up, Black – Down, Silver or White – Common

2. Plug in the trigger source to the 3.5 input jack labeled Projector Trigger Input 3 – 18 VDC.
3. Plug in the main power cord to a constant 120 VAC outlet.

B. Operating the MOST control

1. When a trigger signal is sent to the MOST, the LVC will be switched to deploy the screen. While this trigger signal is present, the user may choose to retract the screen with another switch or control that is currently connected in parallel at the LVC's switch input.
2. When the trigger signal is terminated, the LVC will be switched to retract the screen.
3. **Do not** alter the wiring configuration or use the MOST controller in any other fashion; such as switching High Voltage. This will damage the control itself and other connected peripheral equipment.

C. Wiring Example



NOTE: If using a transformer, switch the secondary or Output of the transformer NOT the 120V Input of the transformer.

6.0 Quality Records:

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