		STEWART FILMSCREEN CORPORATION	
STEWART FILMSCREEN – STI-2 Relay Replacement Work Instruction			
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QW-753	A	1-19-22	1-20-22
Responsibility and authority:	Process Owner		Position / Title
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1.0 PURPOSE

Instructions to correctly replace relays.

2.0 Scope:

This procedure applies to electronic relays.

3.0 Definitions:

The Stewart Filmscreen STI-2 Relay must adhere to these instructions for replacement.

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:

Remove existing screen trigger relay

1. Make sure the electric screen's power cord is unplugged or the circuit breaker has been shut off.
2. Open the electrical box end of the screen.
3. You can choose to use / keep the existing LED / ferrule or replace it.
4. If you do not choose to replace the original LED / ferrule, simply cut the leads and use a splice or small wire nuts to reconnect the LED wires of the new relay
5. You can remove the original LED / ferrule by loosening the lock nut on the ferrule's threads.
6. Unthread the ring nut on the outside of the housing to release the 3.5 mm trigger input jack
7. Remove the wire nuts that connect the relay leads with the motor and power cord. Remove relay

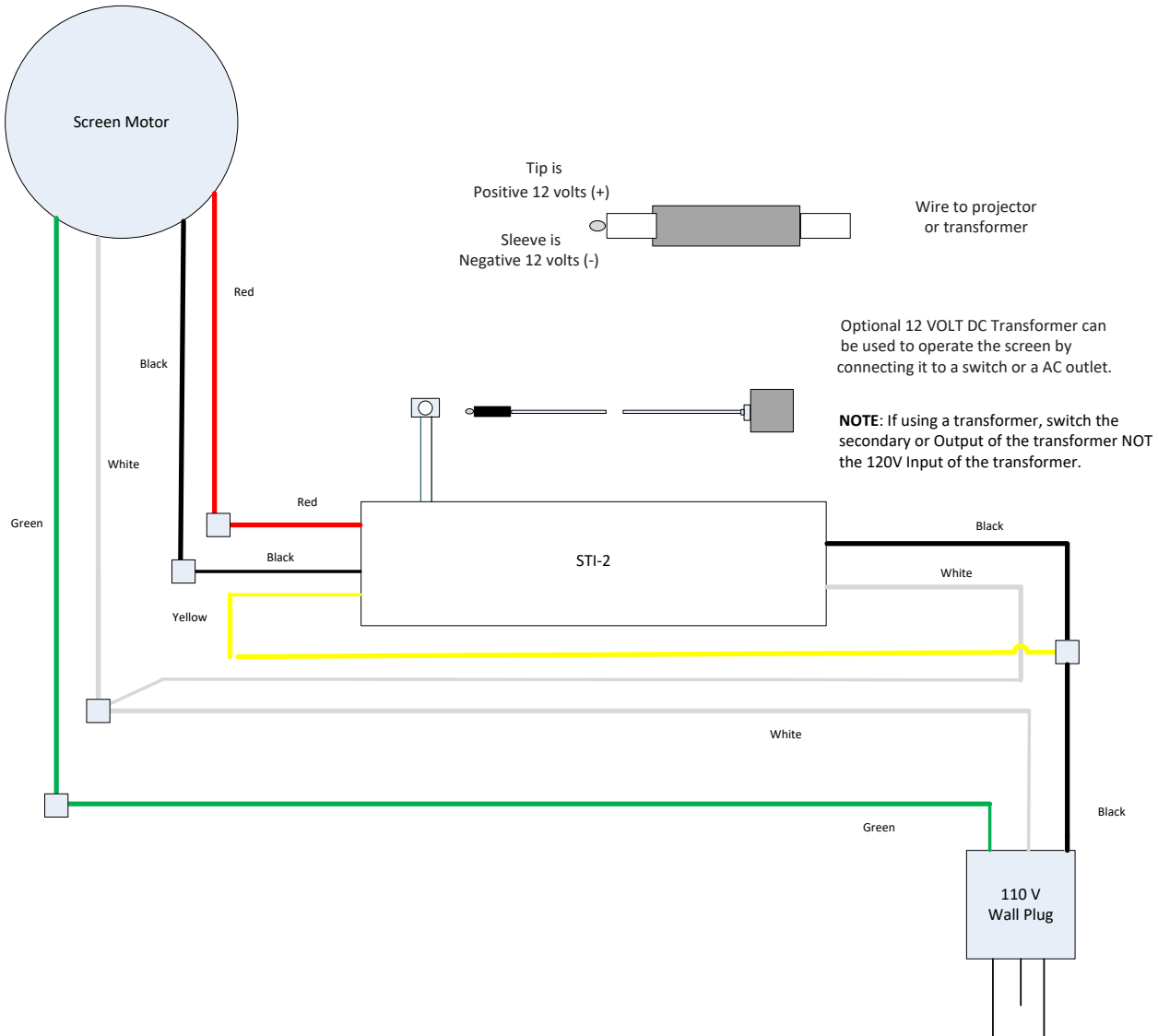
Install new screen trigger relay

1. Install new input jack into housing and secure with ring nut.
2. Install new LED / ferrule if you have elected to do so. Secure in place with lock nut.
3. Use the diagram below for proper wiring connections.
4. Secure wire connections with wire nuts.
5. Reinstall the endplate and supply AC to the unit.

Trigger operational information

The STI-2 relay receives a 12 VDC trigger input signal to deploy the screen. At that time the LED indicator will light up and remain lit while the screen is "down". When the trigger signal is terminated, the LED will go out and the screen will retract. It is important to remember to allow the screen to fully deploy or retract before switching directions of the trigger signal. Never reverse a trigger signal when the motor is operational. Always allow the motor to fully cycle and stop before sending or removing the trigger signal.

STI-2 Wiring diagram



6.0 Quality Records:

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