

Electrical Drive Data

Model	LSTXY-S1
Classification	Safety/Process
Number of Wire Leads, Std.	Six, 22 g
Number of Wire Leads, Options	None
Cable or Wires, Length	Cable, 10 feet, PVC Jacket
Cable/Wire Termination	Flying leads, LEMO plug if controller ordered
Recommended Controller and Voltage Present	Capacitor Discharge 24-28 V, 24-28 V PWM, or our controllers
Shutter Winding Resistance	7 Ohms Nominal
Gravity Considerations	Heavy Optics. Mounting Orientation will affect amount of power used to open. Not designed for upside-down mounting.
Typical Minimum Hold Open Voltage, Room Temperature	5 V
Typical Hold Open Power Dissipation as Heat	6 W
User Power Supply Notes	24-28 V, 3 A Rating, Surge Capacitor on output
User Drive Circuit, Cap Discharge	24-28 V, C=33,000 microF, R=20 ohm, Use Flyback diode 1N4001
Nominal Winding Inductance	35 mH
User Drive Circuit, PWM Type	24-28 V for 100 ms, then drop to 7 V hold, Use N4001 Flyback

If an LSTXY-S1 was purchased without a controller, supplied with cable/flying leads, and later you require a controller, such as CX2450B and mating cable, attach wires of shutter to cable as shown below. The CX2450B will be labeled for mechanical switch option and shutter type.

<u>LSTXY-S1 Wire Color</u>	<u>CX2450B Cable Color</u>	<u>Function</u>
White	White	+ Power to Winding
Black	Black	- Power to Winding
Red	Red	Sensor Switch
Blue	Blue	Sensor Switch
Green	Green	Sensor Switch
Brown/Or	Brown/Or	Sensor Switch

Standard Shutter Format, Mechanical Microswitches for Position Sensors:

<u>Shutter Wire Color</u>	<u>Function</u>
White	+ Power to Winding
Black	- Power to Winding
Red/Brown(Or) Pair	Open Switch, Reads Continuity when shutter Open
Blue/Green Pair	Closed Switch, Reads Continuity when Shutter Closed

Switches rated for 1 A at 24 VDC.