Electrical Drive Data

Model	LST4WBK2
Classification	Safety/Process
Number of Wire Leads, Std.	Six, 22 g
Number of Wire Leads, Options	None
Cable or Wires, Length	18 inches, Cable if controller ordered, 10 feet
Cable/Wire Termination	MTA-100, AMP, P/N 643813-60, LEMO plug if controller ordered
Recommended Controller and Voltage Present	Capacitor Discharge 12-24 V, 12-24 V PWM, or our controllers
Shutter Winding Resistance	8 Ohms Nominal
Gravity Considerations	Symmetric Open/Close speed with base down
Typical Minimum Hold Open Voltage, Room Temperature	4 V
Typical Hold Open Power Dissipation as Heat	3 W
User Power Supply Notes	12-24 V, 500 mA Rating, Surge Capacitor on output
User Drive Circuit, Cap Discharge	12 V, C=4700 microF, R=10 ohm 24 V, C=2200 microF, R=30 ohm Flyback diode 1N4001 BUILT-IN
Nominal Winding Inductance	10 mH
User Drive Circuit, PWM Type	12 or 24 V for 50 ms, then drop to 5 V hold, 1N4001 Flyback BUILT-IN
Color Codes and Function of Wires	White, + to winding Black, - to winding Red – Supply Regulated +5.0 VDC, 30 mA Blue, 5V Return and Sensor Ground Yellow, NC Output from Sensor, TTL (reads hi when shutter closed) Orange, NO Output from Sensor, TTL (reads hi when shutter open)

Read sensor outputs with reference to the blue ground wire. These outputs are totem-pole buffered TTL, seeking a load of ~10 K ohms. Typical output is 4 V. Do not try to draw more than about 5 mA from the Yellow or Orange Outputs, or the voltage will load down.