



T.I.P. Troubleshooting Information on Power Gear

TESTING & TROUBLESHOOTING WIRING FOR S/O SENSING CONTROLLER

NOTE: Before beginning these tests, *Check the voltage at the battery and verify that it is fully charged.*

If the room moves:

Connect a Voltmeter or Test Light to the controller in the following manner:

Red (positive) lead to Switch IN

Black (negative/common) lead to Ground

Push Switch IN (on the wall switch) and check the following:

Room Direction	Voltmeter/Test Light	Problem	Solution
IN	12 Volts indicated	None – Controller is wired up correctly	N/A
IN	0 Volts indicated	Motor & Switch wired up backwards	Reverse Switch IN/OUT Leads & Motor Leads
OUT	12 Volts indicated	Motor wired up backwards	Reverse Motor Leads
OUT	0 Volts indicated	Switch wired up backwards	Reverse Switch IN/OUT Leads

If the room does not move:

Verify that all wiring connections are good, and then check the following:

Test	Negative Test Result	Problem	Solution
Check for 12V between the <i>controller</i> battery lead and chassis ground	12V is not indicated	Problem with the wiring from the battery to the controller	Fix wiring to controller
Check for continuity between controller ground and chassis ground	Continuity is not indicated	Problem with the wiring from ground to controller	Fix wiring to controller
Check for 12V between the switch middle post and chassis ground	12V is not indicated	Problem with the wiring from the battery to the switch	Fix wiring to switch



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