



T.I.P. Troubleshooting Information on Power Gear

Fleetwood

ELECTRICAL WIRING INFORMATION FOR S/O SENSING CONTROLLER

The sensing controller is designed to provide different trip settings for the “In” and “Out” strokes of the slide-out.

CAUTION:

The wiring for the slide-out should be completed per the following wiring diagram or the RV may be damaged.

Modification of wiring schematic *other than reversal of motor leads* **WILL** cause improper operation of the sensing controller and the slide-out, and may cause damage to the RV.

CAUTION:

The switch wires, motor wires and ground wire can be connected to the control at any time during installation prior to the power being connected. The battery line must be connected to the control **BEFORE** the battery is connected, but cannot be connected until after the system has been high potted.

The control box **WILL** be damaged if any of the leads are grounded or touched together when power is connected to the system.

- Step 1) Locate control box somewhere safe from damage, water and dust.
- Step 2) Secure control box to a sturdy wall or floor using a 3/16” self tapping wood or sheet metal screw in the holes provided.
- Step 3) Prior to power hookup connect all wires per the attached wire hookup instruction table and wiring schematic.
- Step 4) Verify wire connections are correct. **Prior to power hookup**, verification of switch wire connections may be accomplished by checking continuity. Verify continuity between the wire to be connected to the “SW.IN” and chassis ground when the switch is depressed to the “IN” position. Also, verify continuity between the wire to be connected to the “SW.OUT” and chassis ground when the switch is depressed to the “OUT” position.
- Step 5) **Provided the previous step has been followed**, if the red wire is connected to the +12V source, the motor will turn clockwise, viewed from face mount when the switch is depressed to the “IN” position.

NOTE: If motor runs in reverse direction, verify switch connections are correct and reverse motor leads. (**Do not reverse switch leads**)



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Step 6) Extend room out to half way, and then do a full retract to initialize the controller.

NOTE: If the slide-out is initially positioned past the half way point, it only needs to be fully retracted to initialize the controller.

NOTE: Maximum motor amperage draw during room extension should be less than Maximum motor amperage during room retraction.

NOTE: For troubleshooting information, see Power Gear Tip Sheet #173.

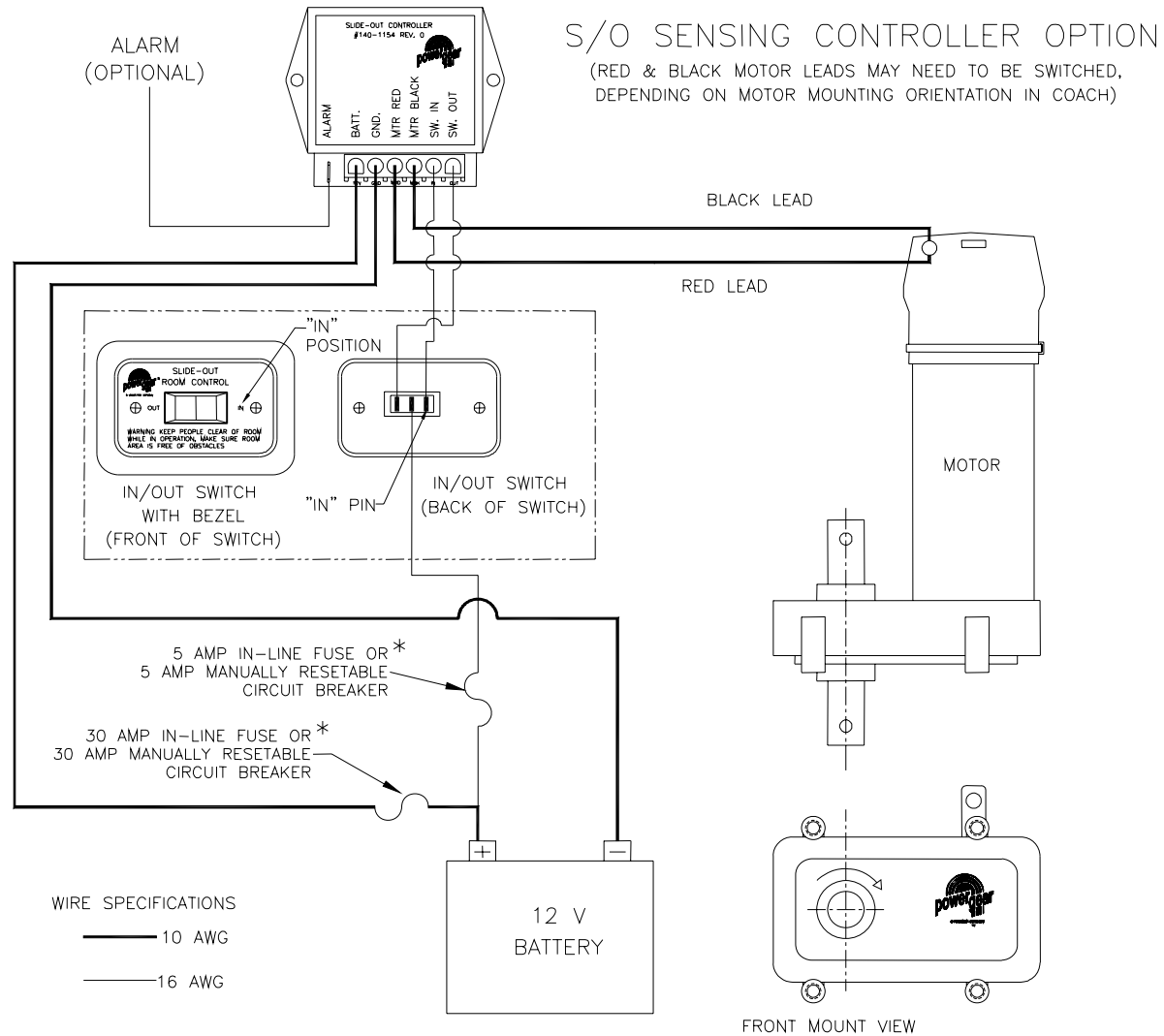
Hookup Instructions for S/O Sensing Controller:

	POWER GEAR COMPONENTS	FLEETWOOD HOOKUPS	SENSING CONTROLLER WIRING CONNECTIONS AND MOTOR OPERATING CONDITIONS	
operation	MOTOR		CW	CCW
connection	MOTOR RED	GREEN	MTR RED	MTR BLACK
connection	MOTOR BLACK	YELLOW	MTR BLACK	MTR RED
connection	SWITCH OUT	BLUE	SW. OUT	SW. OUT
connection	SWITCH IN	ORANGE	SW. IN	SW. IN
connection	+12 VDC	RED	BATT.	BATT.
connection	GROUND	WHITE	GND.	GND.

Operation assumes the switch is being pushed to the "IN" position.

Connections assume the "SWITCH IN PIN" refers to the pin directly below the "OUT" position on the switch and "SWITCH OUT PIN" refers to the pin directly below the "IN" position on the switch.

Note: "SWITCH IN PIN" refers to the pin directly below the "OUT" position on the switch and "SWITCH OUT PIN" refers to the pin directly below the "IN" position on the switch.



* FUSED PER ANSI/RVIA STANDARD FOR LOW VOLTAGE SYSTEMS IN CONVERSION AND RECREATIONAL VEHICLES 2000 EDITION CHAPTER 3 CIRCUIT PROTECTION SECTIONS 3-1 & 3-2