ELECTRICAL WIRING INFORMATION FOR S/O SENSING CONTROLLER

CAUTION: The sensing controller is designed to provide different trip settings for the extend and retract strokes of the slide-out.

CAUTION: The wiring for the slide-out should be completed per the following wiring diagram or the motor home may be damaged.

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.

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

CAUTION: 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.

NOTE: 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.

NOTE: Provided the previous note 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.)

NOTE: If this is a new installation of controller or if service is performed on slide-out unit, extend room out to half way, and then do a full retract to reset the controller.

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

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

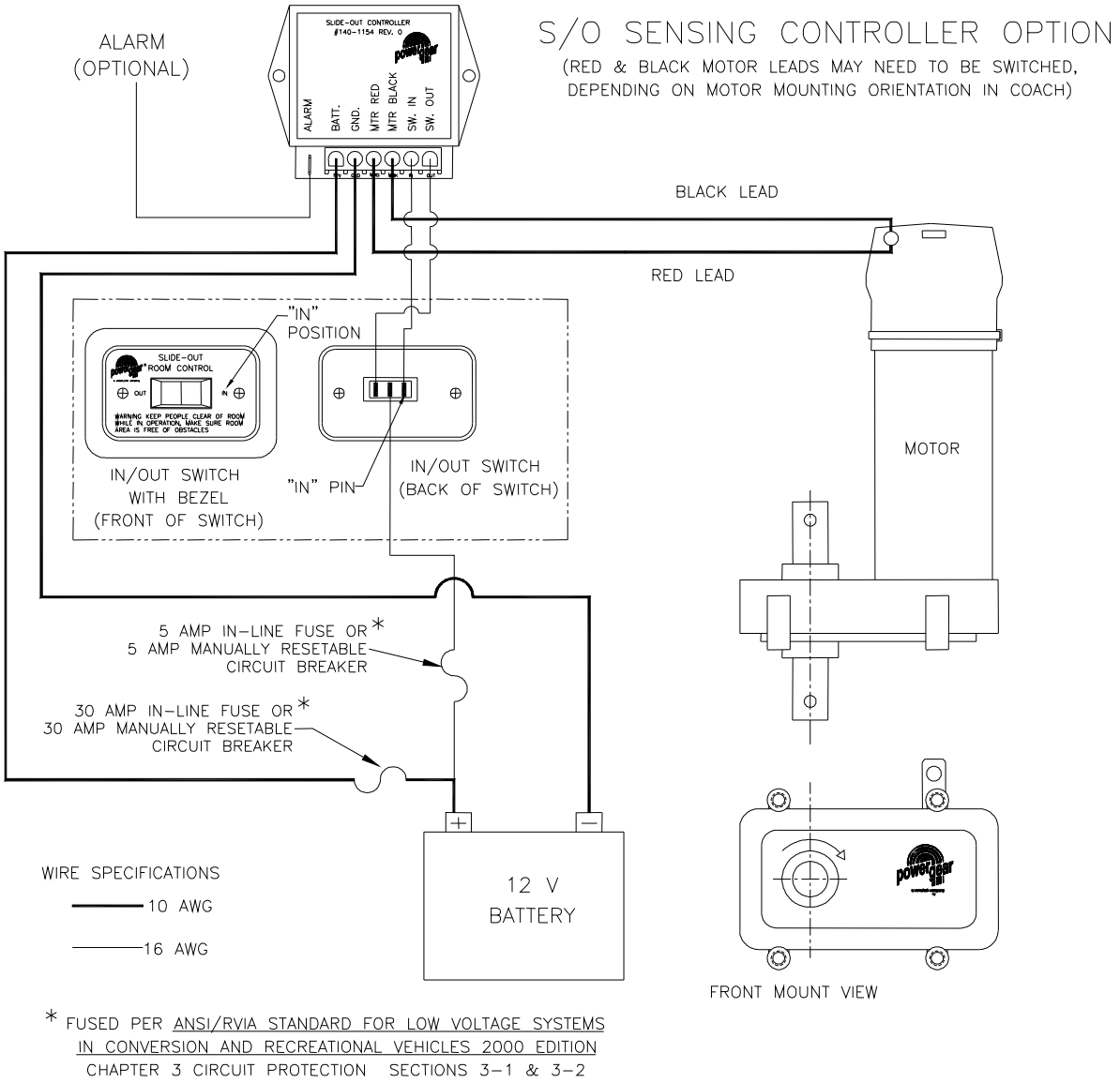
Hookup instructions S/O Sensing Controller:

	POWER GEAR COMPNONENTS	SENSING CONTROLLER WIRING CONNECTIONS AND MOTOR OPERATING CONDITIONS	
operation	MOTOR	CW	CCW
connection	MOTOR RED	MTR RED	MTR BLACK
connection	MOTOR BLACK	MTR BLACK	MTR RED
connection	SWITCH OUT	SW. OUT	SW. OUT
connection	SWITCH IN	SW. IN	SW. IN
connection	+12 VDC	BATT.	BATT.
connection	GROUND	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.**



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