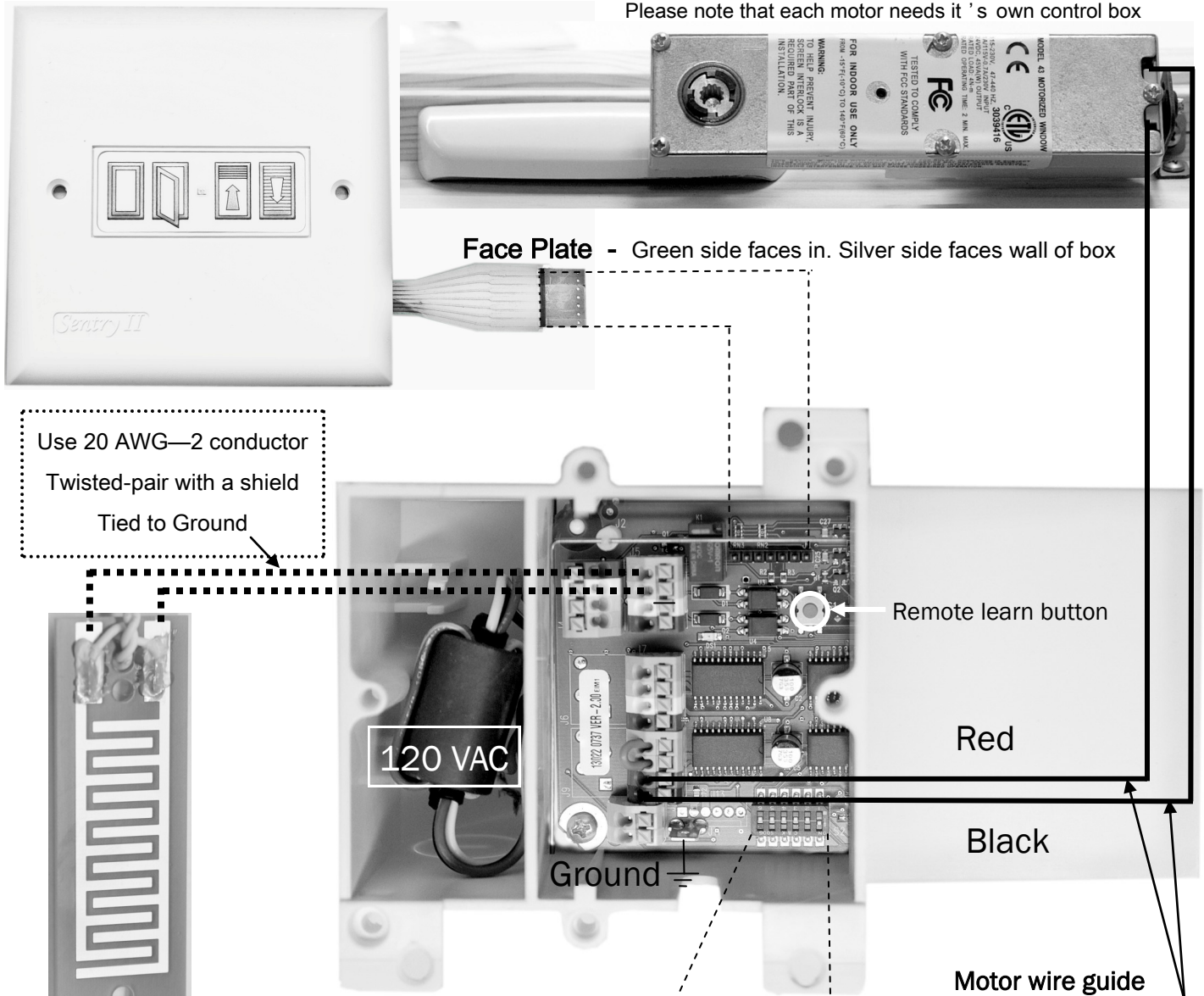


Sentry II WLS Quick Start Wiring Diagram

WLS Motor Unit

Please note that each motor needs it's own control box

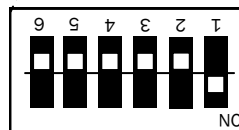


Rain Sensor

(optional)
One for each
Control box

Function settings for dip switches

- #1 - Must stay set "on"
- #2 - Motor application:
Window application = "off"
Skylight application = "on"
- #3 - Drive motor direction to open:
CW = "off" or CCW = "on"
For other settings please see
main instruction manual



Motor wire guide

Wire size (Class 2)	Total distance from control to motor
18 AWG	50 ft (15m) Max.
14 AWG	100 ft (30m) Max.
12 AWG	150 ft (60m) Max.

Stranded wire recommended

Refer to Class 2 codes

Frequently Asked Questions – Sentry II WLS

Q: How many motors can I connect to the control box?

A: Only One, Each motor requires its own control box.

Q: Can I use one rain sensor for a group of control boxes?

A: No, Each control box requires its own rain sensor.

Q: How can I tell a group of WLS units to open or close at the same time?

A: There are two options for accomplishing this:

Option 1: Use the 43.53 Hand Held Remote, set to “All ” setting

Option 2: Connect the HPI connections on the control box to a contact closure driven by a home automation system. Each control box requires its own contact closure.

Q: What are the HPI or High Priority Inputs?

A: HPI is a way of letting another system, such as a home automation system tell the WLS control box to open or close. Each control box will require its own contact closure. *Please refer to the installation instructions for additional details.*

Q: Why are the covers not part of the WLS motor kit?

A: To make it easier for our customers to manage their inventory it was decided to not have the whole kit tied to a color. The covers are purchased separately.

Q: There is a gap visible between the motor and the window and/or manual operator, what can I do about it?

A: Depending on the window, the manual operator used, and the installation of the window, there maybe some space visible. AmesburyTruth has designed the cover to fit as many window profiles as possible, unfortunately this means the cover fits some applications with gaps above or below the motor cover. *Refer to the installation instructions to make sure the motor is installed properly for the window and manual operator being used.*

Q: What manual operators can the WLS system work on?

A: The standard kit, part number 43.51, has adapters and brackets to mount it to any AmesburyTruth Hardware manual operator that uses a crank handle including the part number 42.65 Manual Angle Drive Skylight operator.

Q: Why does the window/skylight OPEN when power is first connected (or power comes back ON after a power outage)

A: The window motor should CLOSE when the power is first applied to the system. Reversing the operation of the motor can be accomplished by either reversing the motor wires at the control board (Red and Black terminals) OR by changing the dip switch setting (See instructions for further details).

Q: When my window closes the sash pulls closed tight and then the motor backs off, is that correct operation?

A: No, the motor has been programmed with the incorrect range of motion. To re-program the motor, begin by shutting off the power and clearing the dip switches (all to off), then cycle the power “on” and back “off” after 10 seconds, then set the dip switches back and reapply power. Pressing the open button will now cause the motor to complete a full open and closed cycle which becomes the new memorized range of motion. This method should be tried anytime the motor does not open or close the window/skylight correctly.