



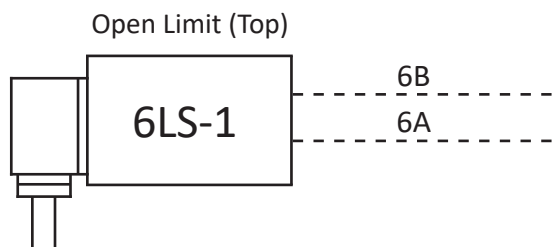
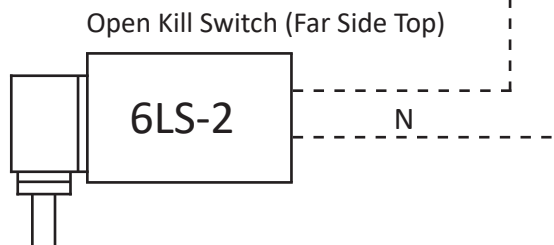
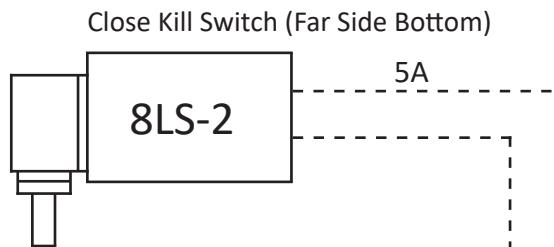
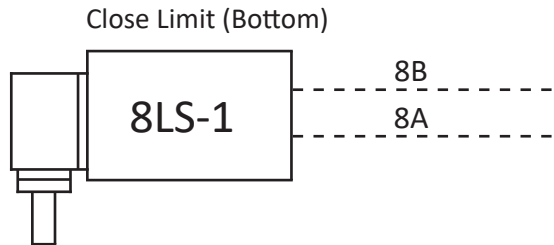
Community Nest Expeller Drive Limit Switch Wiring

Quicksheet

Expeller Drive Limit Switches



Wires go to the NC Terminals of the Limit Switches.

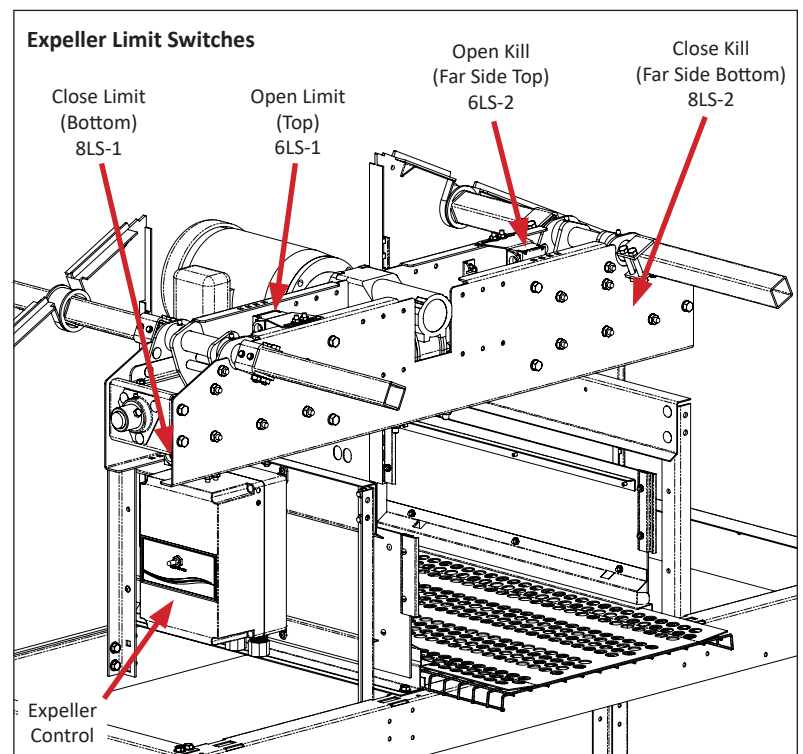


8 Close
6 Open
5 Hot to Kill Switches
N Neutral

Theory Of Operation of the Expeller Drive Power Unit

The Expeller Control interfaces with the Controller (Whole House Controller or 630204 Timer Control Panel), receiving commands from the Controller to open and close the Expeller, then it energizes the appropriate contactor (open or close) and forces the motor to run until the open or close limit switch is hit. In the event that the limit switch fails, there is a second limit switch (kill switch) that opens when the Expeller reaches the end of travel in either direction.

These limit switches open the neutral circuit to shut off control power to the contactors. Note that all control power is 115 VAC on this panel, and the power to the motors through the contactors is 230 VAC. When the operator chooses, they can place the Controller into manual control mode. When this is done the Controller sends a 115 VAC signal to the expeller power unit to allow the operator to control the expeller in the manual mode.



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