

**SurgeSentinel** - Whole House Surge Suppressor

INSTALLATION GUIDE

**WARNING:**

- Opening the SurgeSentinel without prior permission from Thielsch, will void its warranty coverage.
- Apply the unit(SurgeSentinel) only to single phase, 120/240Vac, 50/60Hz power systems.
- The unit must be mounted vertically, in a dry location, using the four mounting holes.
- The unit must be installed by a licensed electrician, in compliance with national and local codes.
- **IMPORTANT:** THIS UNIT MUST BE CONNECTED DIRECTLY TO A DEDICATED CIRCUIT BREAKER. DO NOT, UNDER ANY CIRCUMSTANCES, HARD-WIRE INSTALL WITHOUT A DEDICATED BREAKER.

**YOU WILL NEED:**

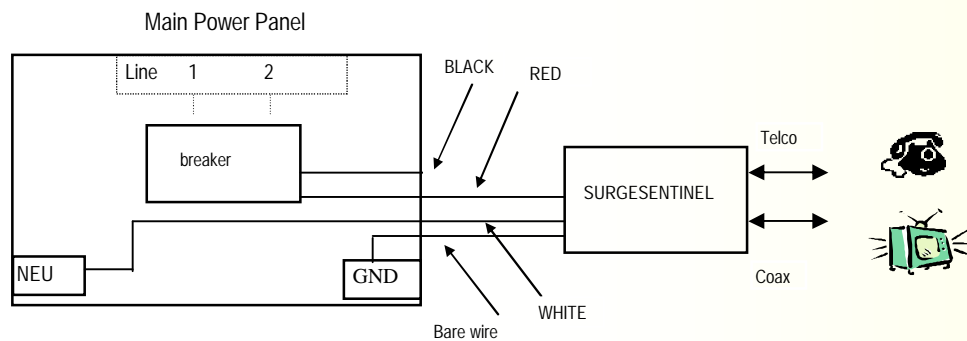
1. A dedicated 2 pole 20 Amp circuit breaker.
2. Appropriate tools.
3. A licensed electrician for installation.

**MOUNTING THE UNIT:**

1. Inspect the exterior of the unit to ensure that it has not been damaged in transit. Ensure that the front label/overlay is still intact, that the warranty seals are intact, and the cable protruding from the unit has not been damaged.
2. Mount the unit on a clear, dry wall near the power panel. The unit should be close enough to connect to the panel using the cable lengths provided. DO NOT UNDER ANY CONDITIONS SPLICE NEW CABLE ONTO THE UNIT, OR OPEN THE UNIT, TO EXTEND THE LENGTH OF THE CABLE PROVIDED.

**INSTALLATION PROCEDURES:**

1. If possible, de-energize the power panel prior to connection of the unit.
2. Connect the black and red cables to the circuit breaker, the bare wire to the ground bus, and the white cable to the neutral bus, as shown in the diagram below.
3. Install the circuit breaker onto the power panel.



**TEST PROCEDURES:**

1. Close the circuit breaker connected to the unit.
2. Check if the light on the side of the enclosure is on:
  - YES - Proceed to next step.
  - NO - De-energize the unit and check if cables are correctly connected. Check the ground cable connection. If problem persists, call Thielsch for technical support.
4. Put these instructions near the unit, for future use.



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Fill and Mail out the Warranty Registration Card within 10 days after installation