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Why Is My Transformer Fuse Blowing?

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Having trouble with the fuse on your transformer blowing and can't figure out why? As pictured left, there may be a break in the wire or a burn spot, indicating a blown fuse.

There are a few likely culprits:

1. A short in the 24VAC wiring
2. Bad power relay
3. Bad controller
4. Heat jumper set incorrectly

There are a few things you can try to troubleshoot this problem but it may require multiple fuses. If you are using the transformer that was supplied with your greenhouse controller, it will require 3A 250V fuses.

To troubleshoot:

- Check for frayed or shorted wires, particularly by connection blocks.
- Next, "cut the problem in half". Remove power from the controller. Then, remove all wires from the controller's relay board,



except 24VAC and COM. We suggest taking pictures before disconnecting wires to make rewiring easier. Then, restore power to the controller.

- If the fuse blows, the problem is with the controller and you will have to call the factory.
- If the display lights, turn all outputs on manually, one at a time, to ensure the controller is not the problem.
- If the fuse does not blow, the problem is with the external wiring or relays. With the power off, take an ohm reading between "COM" (Terminal 2) and each output wire. Readings near 0 indicate a bad relay and it will need replaced.

If you have questions about any of these steps, feel free to call us and we'll walk you through it!

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