Application Note AN_T005:

Powering Thermal Flowswitches Connecting an Auxiliary DC Supply

1. Overview

Details using a 15VDC, 300mA supply to power a Flowline thermal flowswitch. The flowswitch displays as controller sensor 'T'.

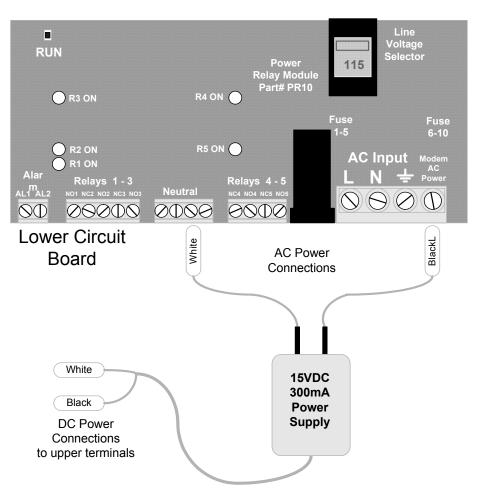
Any DC power supply rated 15-24VDC & 200mA or greater may be used to power one or more thermal flowswitches.

Flowswitches may be connected to controller inputs 'O' through 'Z' and the controller re-configured to use the input as a flowswitch, interlocking pumps, valves & solenoids.

2. Installation

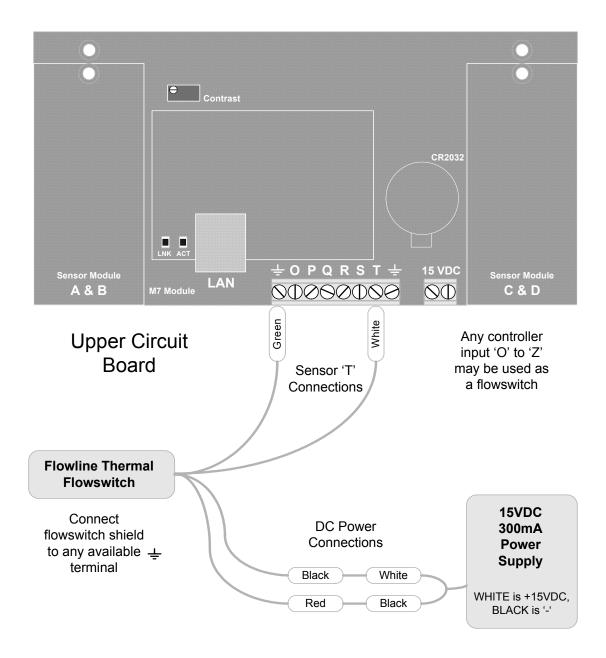
Unplug the controller 120VAC power cord.

Open the controller enclosure and place the 15VDC power supply on the bottom, horizontal surface of the controller enclosure. Connect the power supply AC power:



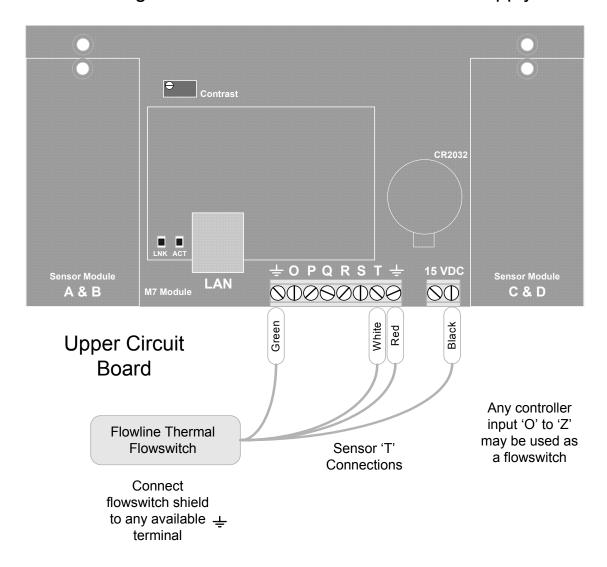
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Connect the flowswitch and the DC power:



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Powering the Flowswitch from the Controller Supply



3. Keypad Verify

Scroll down Contact Set 'T' or Flowswitch 'T'.

When there is no flow, 'T' will display 'OFF'.

With flow, 'T' displays **ON: 1.4 minutes** where the time counts up as flow continues.

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