

## Technical Bulletin

### Control: ZON-0600

### Application: THM Wiring Warnings

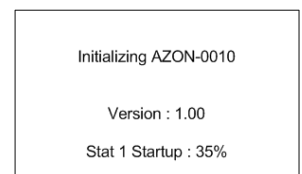
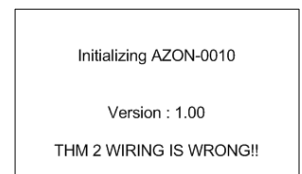
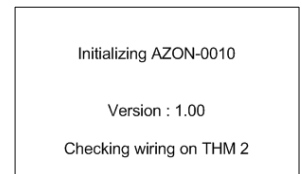
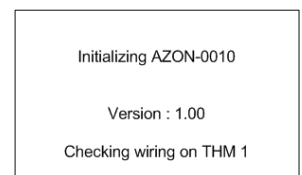
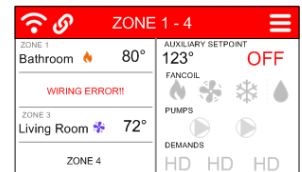
### Version: 1.56 ≥

With the latest addition in firmware the ZON-0600 will now notify during startup any issue concerning the wiring between the THM and the ZON-0600. If the polarity of the wires are swapped or there is a short in one or more of the THM wires to the ZON-0600 this will prompt warning messages and will prevent the THM for that zone from powering on.

The following will detail the operation on startup.

- On startup during the Initializing phase the ZON-0600 will check each THM 1 through 4 and display Checking wiring on THM at the bottom.
- While it checks the wiring if any wiring errors are detected it will display a message to notify this. Referring to the picture this can be seen where THM 2 had an error and the message THM 2 WIRING IS WRONG!! will be displayed.
- For any THM that doesn't have an error detected the screen will then begin the startup process to power on the stats and will show Stat Startup and will count the percentage of startup from 0-100%. Please refer to the picture for an example.
- If any errors for the wiring are detected then on the Status screen that zone will display WIRING ERROR!! and will not allow that stat to power on. The other THMs without errors will operate as normal.
  - Any errors under Status can only be cleared once the ZON-0600 is powered down and the issue resolved.
- If any changes to the THM wiring occurs such as a short/ damaged wire this will cause the ZON-0600 to restart the Initializing phase to check each of the THMs 1 through 4 again so that this error can be recorded and displayed once the Status screen comes back on.

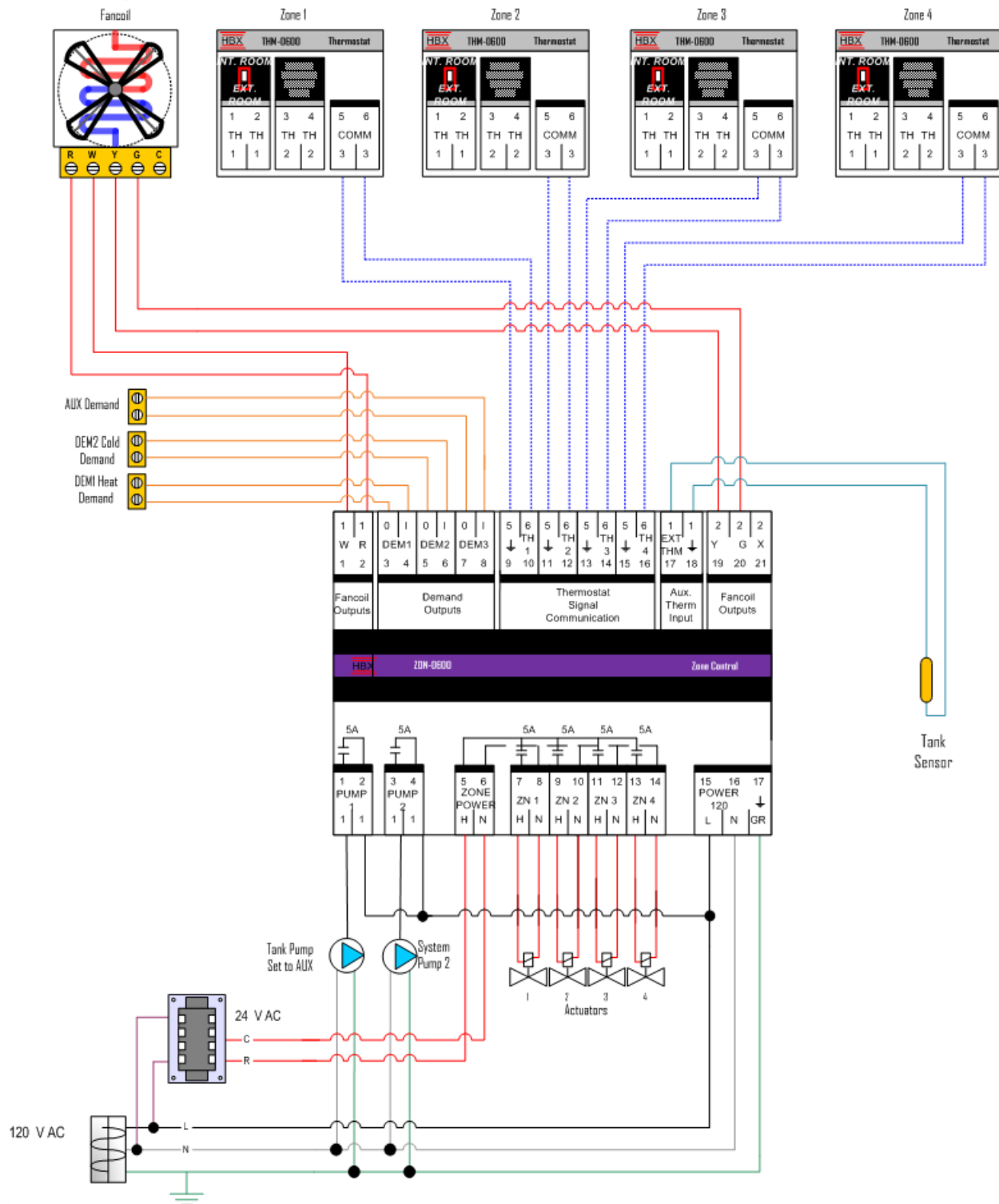
Each of these notifications will help determine specific zones having wiring issues without affecting other zones that are functioning.



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