



# Tech Tip

May 2025



## Two Tips in One

1. Pass it on
2. Mitigation Controls

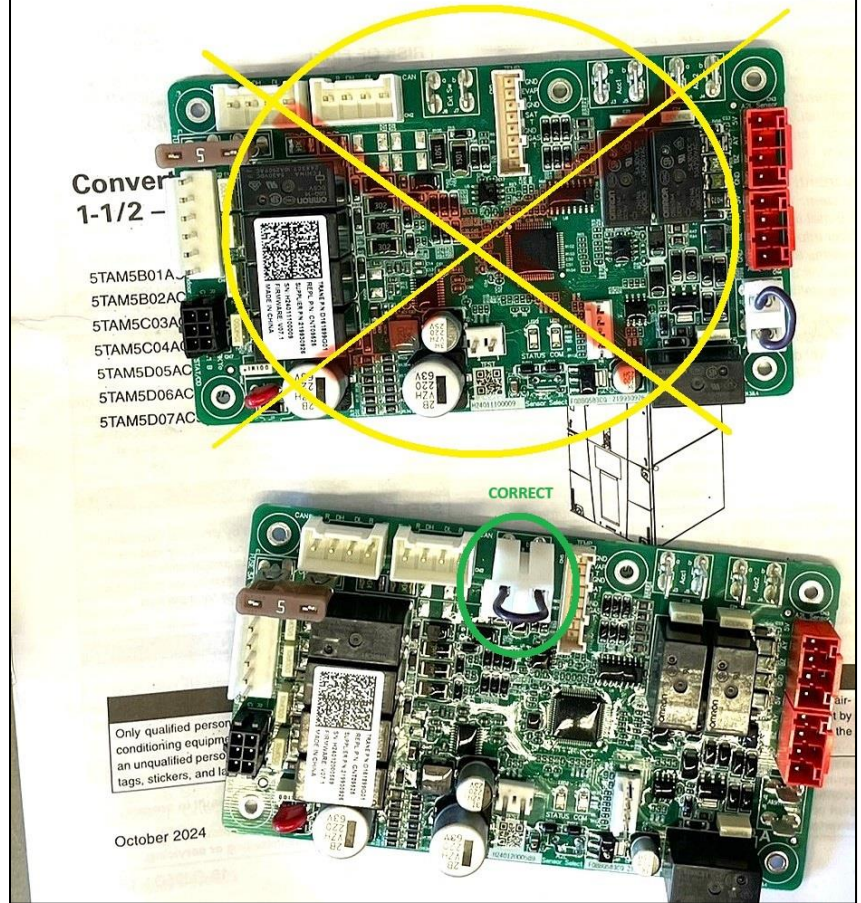
### Tip #1- Pass it on

If you are not a front-line service tech, please take a moment to assure that this *and every* Tech Tip gets to those at your company for whom they are written. We handle many calls from techs in the field that have not received our latest information. This is costing your organization time and money due to a simple lack of readily available resources.

### Tip #2- Mitigation Controls

With the introduction of A2L refrigerant air handlers, we have another system that techs need to be familiar with. As this is new to all of us, including those that assemble the units, we would be wise to assure that all items are in place and properly connected before startup. The X'd out Mitigation Control Board(MCB) to the right shows how the EXT SW jumper was mistakenly placed on the Alarm Out contacts. We have also heard of the refrigerant sensor and/or CAN connectors not being plugged in.

## Installation, Operation, and Maintenance



### Mitigation Control Basics

- The purpose of the mitigation system is that in the event of a detected refrigerant leak, to shut off the outdoor unit and circulate air to dissipate the refrigerant within the space.
- The MCB is an additional Link device on communicating systems.
- The MCB alert codes are listed in the AHU IOM or Service Facts.
- 5 VDC is needed on the Black and Red wires to the refrigerant sensor to power it up.
- The MCB and sensor communicate on the Green and White wires.
- There is no direct test for a failed sensor.

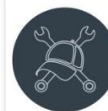
Confirm all connectors and jumpers are connected correctly.

Review the MCB Amber and Green LEDs and compare with your manual.

Confirm 5 VDC to the sensor.

If the MCB still indicates an active alert, plug a known good sensor into it.

For more in-depth information, scan the QR code here to access the short troubleshooting video on LMS.



FieldTechTalk:  
Mitigation  
Control  
Troubleshooting

4 Minutes

Video

**FTH: Mitigation Control  
Troubleshooting**

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Play



## Field Service Representative Contact

SW FL 239-277-0344; Option 3

SE FL 954-421-7133; Option 2

N FL 844-358-7263; option 2