How to check if it is a Compressor or Control Board issue

Applicable for Single Zone and Dual Zone Wine Coolers
This is only for certified repair technicians.
Be sure to have the unit *unplugged* while performing the repair.

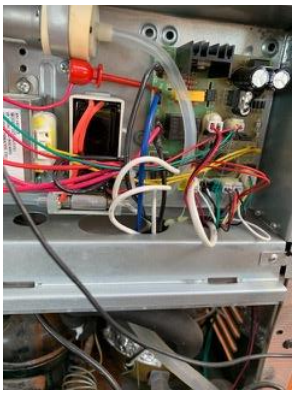
An additional step you can take would be to check resistance across all three pins on the compressor motor.
Remove both relay and overload to expose the 3 pins of compressor.
Set your ohm meter to the 2k setting.

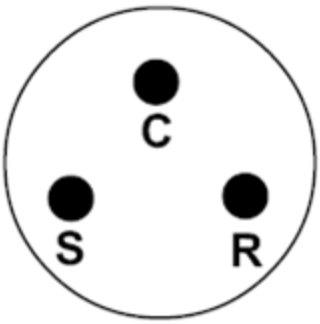
The three pins on the compressor motor would be in a triangle formation:
The top single pin will be your common terminal, the left lower pin would be your starting terminal, and the right lower pin would be your running terminal.

Essentially, your resistance readings between C/S and C/R should equal to the highest number between S/R.

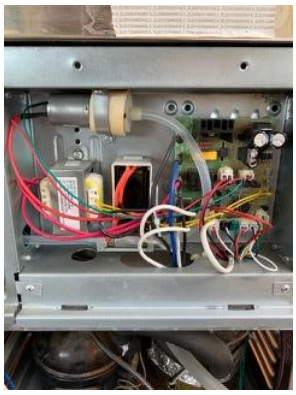
Final step: Touch and hold one ohmmeter probe to the C, or R or S terminal, then touch and hold the other probe to the ground on the compressor.

The ohmmeter shall read infinity. Any resistance indicates a shorted compressor.





Pin Configuation



Please make sure the resistance reading between S/R is not too high.
High resistance would indicate the run and start windings are wearing and breaking down. The windings can no longer sustain the current needed; hence the relay overload could give out and possibly stress out the control board as well.