

Revision Date: 1/17/2025

Subject: E210 Error Code

Models: DVM Heat Recovery, ECO Heat Recovery

Title: MCU Communication Error. There is no communication for 2 minutes between Outdoor Unit and MCU(s).

Troubleshooting Steps

1. Verify all MCU and HR changers have 208/230Volts
2. Make sure communication wire is 16/2 stranded shielded wire
3. Verify communication wiring is a true daisy chain from condenser and land on MCU or HR changer 1st as shown in the image below. Verify there are no breaks, junction boxes or splices in comm wire.
4. Ohm communication wire checking for open line or shorts between conductors, shielding or ground.
5. At outdoor unit, enter installer setup by pressing and holding the K1 and K2 buttons on main PCB.
6. Press K1 repeatedly (K1 2X for ECO and 3X for DVM) until display shows NC on the lefthand screen as shown in image below.
7. Press and hold "K4" to auto detect MCU units
8. Verify it displays the correct number of MCU's?
9. If yes, press and hold K2 to save
10. If not, run temp wire from condenser direct to MCU and try steps 5-7 again.
11. If outdoor unit still does not display correct number of MCU's, replace Main PCB on MCU that is displaying E210 error code



MCU Display setting.

