

CS Bulletin Emergency Wiring Instruction


14-Jul-14


To: Service Contractors responsible for PM Service and Repair and Cell Technicians

Subject: Achieving temporary mechanical cooling without controller input

Background: Emergency wiring allows the Wall Packaged Units to achieve temporary mechanical cooling without controller input. Emergency wiring should ONLY be used after troubleshooting with HVAC Support Line (805-879-5432) or in the event that Support Line cannot be reached and mechanical cooling is required immediately to prevent equipment failure. Emergency wiring bypasses internal protection mechanism and should never be used as a long term solution. Use of emergency wiring under any condition except stated herein will void warranty. There are 2 options for emergency cooling: Continuous (w/o thermostat) and Temperature controlled (w/ thermostat).

Instructions:

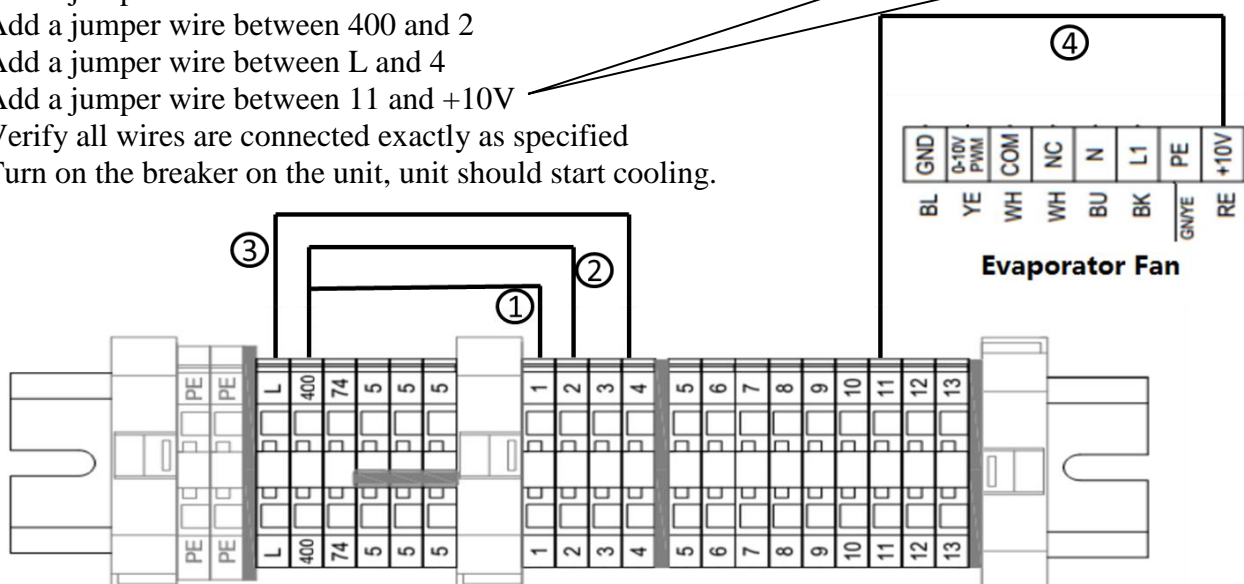
 All Emergency wiring must be performed by professional technicians.

 **Danger.** Risk of electric shock can cause serious injury or death. The breaker on both AC unit AND controller **MUST BE TURNED OFF** before adding emergency wiring.

Option A: Continuous Cooling (w/o Thermostat)

1. Add a jumper wire between 400 and 1
2. Add a jumper wire between 400 and 2
3. Add a jumper wire between L and 4
4. Add a jumper wire between 11 and +10V
5. Verify all wires are connected exactly as specified
6. Turn on the breaker on the unit, unit should start cooling.

+10V is a terminated red wire from the evaporator fan. Take off the side panel to access this wire.



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Option B: Temperature Controlled (w/ Thermostat)

1. Add a jumper wire between 400 and 1
2. Add a jumper wire between 400 and 2
3. Add a jumper wire between L and Rc
 - Rc is also known as Cooling Voltage
4. Add a jumper wire between Y and 4
 - Y is also known as Switch for Cooling
5. Add a jumper wire between 11 and +10V
6. Verify all wires are connected exactly as specified
7. Turn on the breaker on the unit, unit should start cooling



Simple Thermostat

+10V is a terminated red wire from the evaporator fan. Take off the side panel to access this wire.

