WPU Emergency Wiring
(Bypasses ASLLC.2 and ASLLC.2A Controllers)

Emergency wiring allows AIRSYS WPUs to run temporary mechanical cooling in the event that the controller is unavailable. Emergency wiring bypasses internal protection mechanisms and should never be used as a long-term solution.

All Emergency wiring must be by performed by professional technicians.

Note: Emergency wiring should ONLY be used if instructed by AIRSYS Support (855-874-5380) or if AIRSYS Support cannot be reached and immediate mechanical cooling is needed to prevent equipment failure.

Note: When emergency wiring is implemented, the supply fan(s) will run at full speed until the wiring is removed. The compressor will do the same unless a thermostat is used to provide a call for cooling.

DANGER! Risk of electric shock can cause serious injury or death. Switch the breakers off to both HVAC units AND the controller before adding OR removing emergency wiring.

Cooling Options

There are three cooling options available for emergency wiring:

1. **Emergency MC Without Thermostat**. The compressor will stay on until wiring is removed.
2. **Emergency MC With Thermostat**. A simple line voltage thermostat is used to provide a call for cooling.
3. **Emergency Free Cooling**. The economizer will open and the supply fan will run at full speed until wiring is removed. Suitable if outdoor temperature will remain under 65°F until controller functionality is restored.

This document provides wiring instructions for all three options for both ASLLC.2 and ASLLC.2A controllers. Use the table below to find the proper instruction set. The controller model can be found on the front of the box.

Cooling Option	Controller Model	
	ASLLC.2	ASLLC.2A
Emergency MC Without Thermostat	Page 2	Page 4
Emergency MC With Thermostat	Page 2	Page 4
Emergency Free Cooling	Page 3	Page 5

Note: A line voltage thermostat (230VAC) must be used for wiring if Option 2 is selected.

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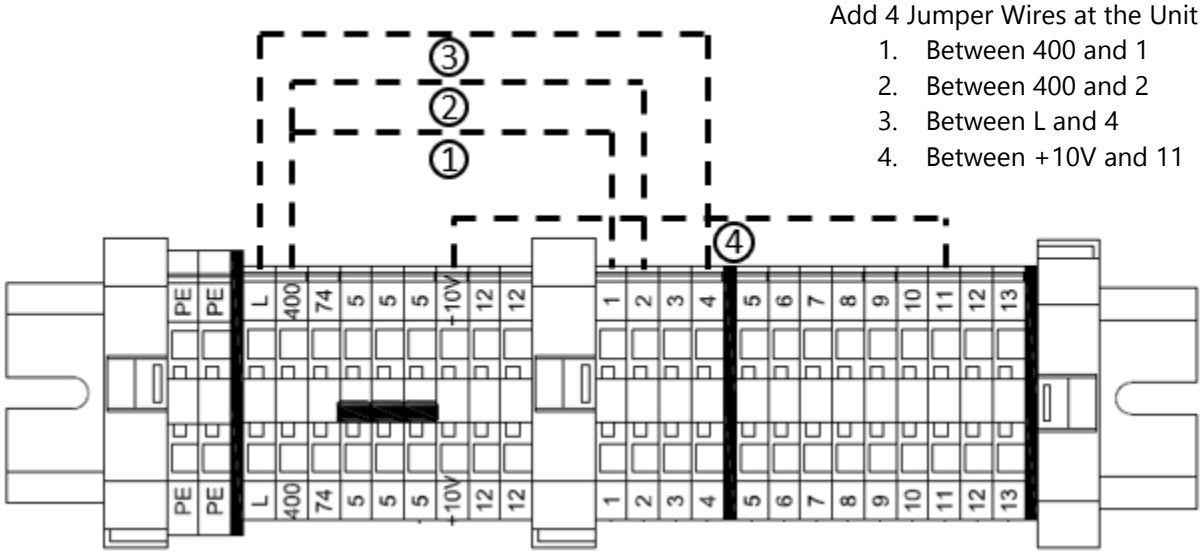
Instructions for Emergency MC Without Thermostat (ASLLC.2 Controller Bypass)

Add 4 Jumper Wires at the Unit

1. Between 400 and 1
2. Between 400 and 2
3. Between L and 4
4. Between +10V and 11

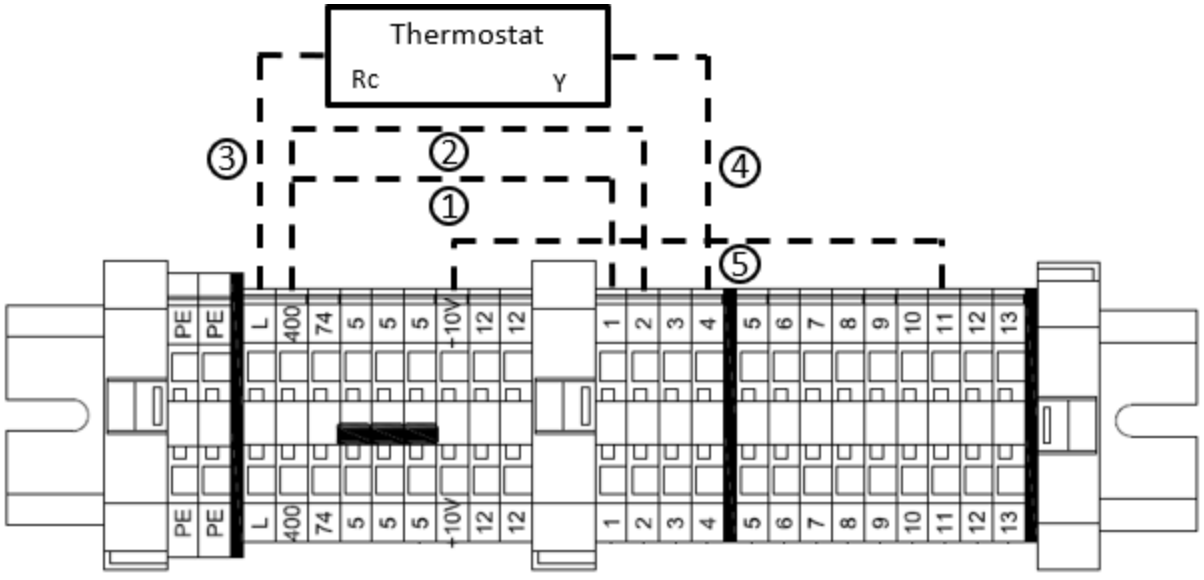


Instructions for Emergency MC With Thermostat (ASLLC.2 Controller Bypass)

Add 5 Jumper Wires at the Unit

1. Between 400 and 1
2. Between 400 and 2
3. Between L and Rc
   - Rc (voltage for cooling) is found on thermostat
4. Between Y and 4
   - Y (switch for cooling) is found on thermostat
5. Between +10V and 11

Line Voltage Thermostat



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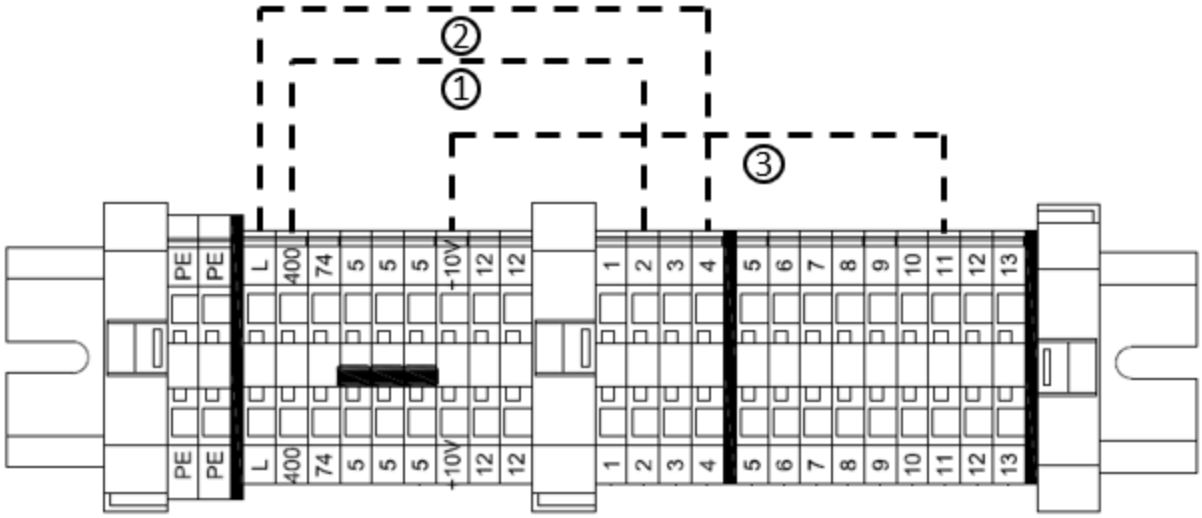
Instructions for Emergency Free Cooling (ASLLC.2 Controller Bypass)

Add 3 Jumper Wires at the Unit:

1. Between 400 and 2
2. Between L and 4
3. Between +10V and 11



Manually Open the Damper:

1. Remove the damper inspection panel
2. Depress the manual override button
3. Manually move the damper to the open position while holding the override
4. Release the manual override

Damper Override

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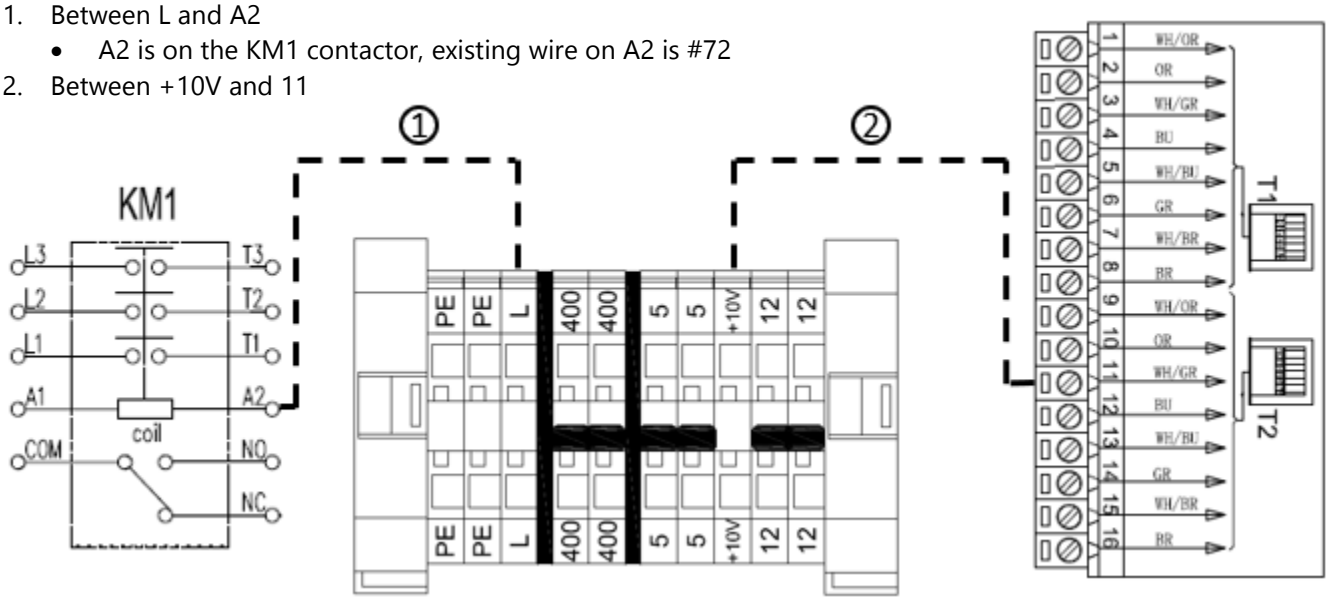
Instructions for Emergency MC Without Thermostat (ASLLC.2A Controller Bypass)

Add 2 Jumper Wires at the Unit

Note: Leave existing wires in place

1. Between L and A2
   - A2 is on the KM1 contactor, existing wire on A2 is #72
2. Between +10V and 11



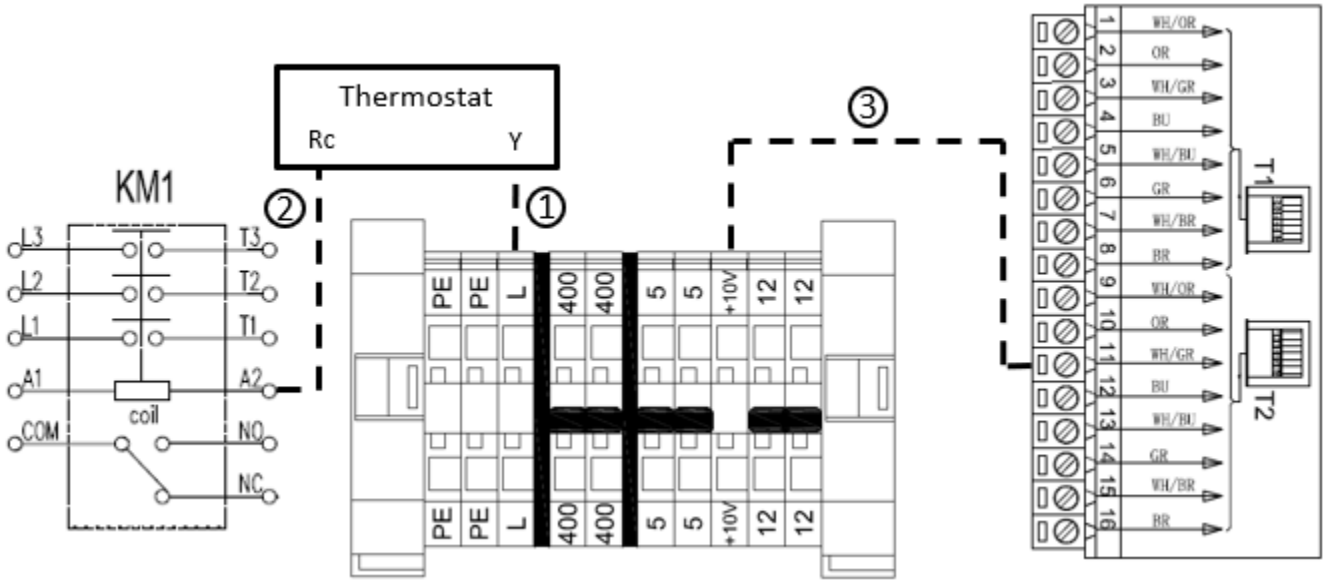
Instructions for Emergency MC With Thermostat (ASLLC.2A Controller Bypass)

Add 3 Jumper Wires at the Unit

Note: Leave existing wires in place

1. Between L and Y
   - Y (switch for cooling) is found on thermostat
2. Between Rc and A2
   - Rc (voltage for cooling) is found on thermostat
   - A2 is on the KM1 contactor, existing wire on A2 is #72
3. Between +10V and 11

Line Voltage Thermostat



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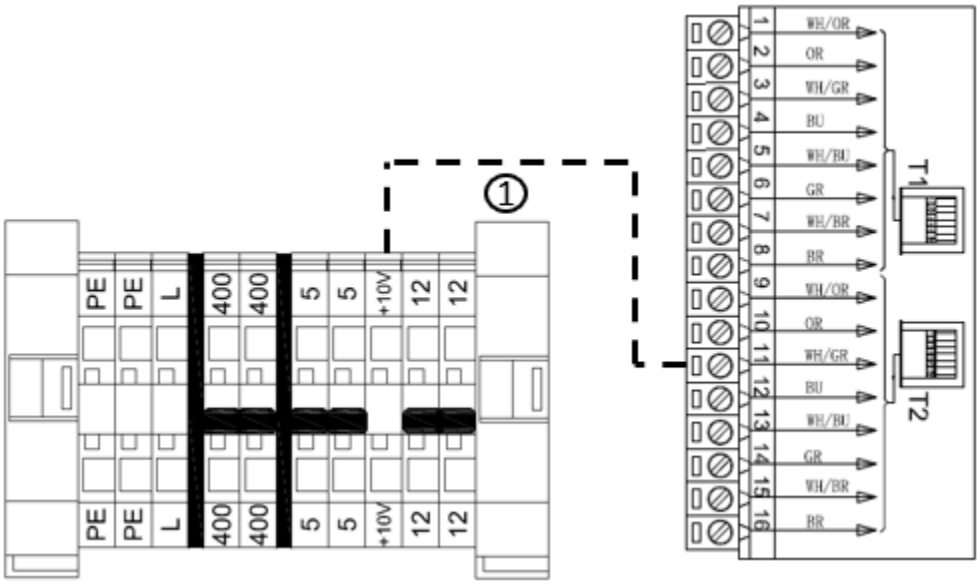
Instructions for Emergency Free Cooling (ASLLC.2 Controller Bypass)

1. Add 1 Jumper Wire between +10V and 11.
   Note: Leave existing wires in place



2. Disconnect the T2 ethernet cable at the unit
3. Manually Open the Damper
   i. Remove the damper inspection panel
   ii. Depress the manual override button
   iii. Manually move the damper to the open position while holding the override
   iv. Release the manual override

Damper Override

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