

**Cable List:**

- Power Supply:**
  - Near each ClimateSync wiring centre:
    - 1 x 13Amp switched Fused Spur 110 - 240 VAC (for ClimateSync).
    - 1 x standard power socket (for the CoolLinkHub).
  - CoolMaster: (AV Rack) standard power Socket.

- Ethernet Sockets (Internet connection):**
  - 1 x LAN socket near the CoolMaster (AV Rack).
  - 2 x LAN socket near each wiring centre (for the ClimateSync & CoolLinkHub).

- Room & Floor Temperature sensors:** 2-core 0.75mm flexible screened cable to each sensor.
  - floor sensors should be placed near the flooring material but not near the water pipes.
  - room sensors should be placed on internal walls at 1400mm height, at a central room location away from heat sources or direct sunlight.

- ClimateSync to CoolMaster Modbus Daisy chain:** daisy chain all ClimateSync wiring centres to the CoolMaster / CoolLinkBridge (AV Rack) using a 2-core 0.5mm flexible screened cable.
- ClimateSync to CoolMaster direct modbus link:** a 2-core 0.5mm flexible screened cable from each ClimateSync to the CoolMaster.
- ClimateSync to CoolPlug modbus Daisy chain:** 2-core 0.5mm flexible screened cable from each ClimateSync wiring centre to the respective CoolPlug's.
- CoolPlug to indoor unit:** from each CoolPlug to its respective Indoor AC fan coil unit, 2-core 0.75mm flexible cable
- Heating actuators, boiler and pump/valve:** install cables as required to connect the items to the ClimateSync wiring centre.
- CoolMaster to VRF Communication:** Install a 2-core 0.75mm flexible screened cable from the CoolMaster and Daisy chain to all VRF/VRF outdoor units

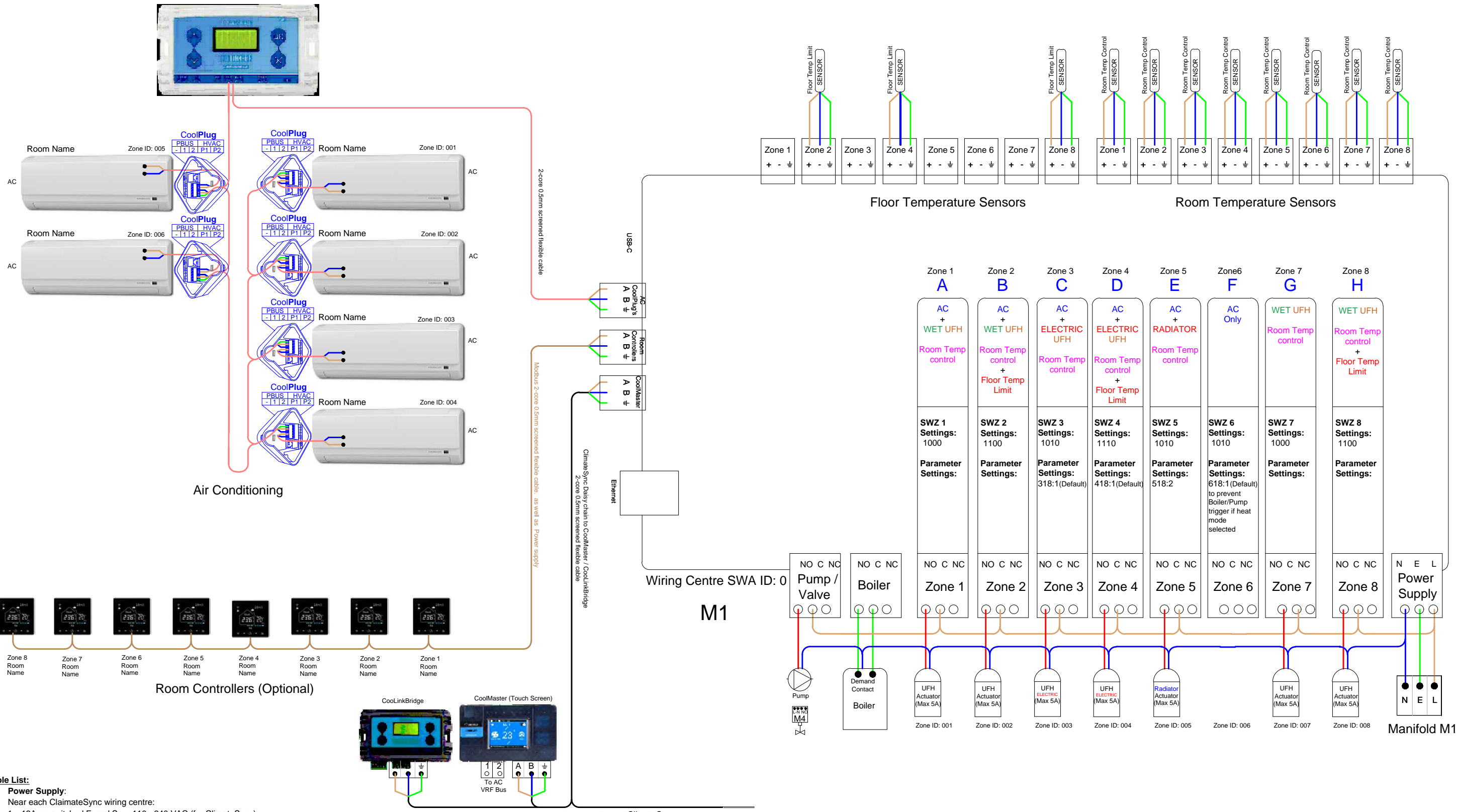
Note: for Electric UFH, the limit per ClimateSync relay is 5Amp. install a contactor for higher rates.  
 Note: for water FCU's, use cable specification as required for the specific application. contact us if in doubt.

**Optional Wall Controllers:**

- Optional budget wall controller:**
  - Back box: 1-gang 47mm deep back box.
  - communication: Daisy chain: 2-core 0.5mm flexible screened cable from each ClimateSync wiring centre to the respective wall controllers.
  - Power Supply: 240vac power supply to each wall controller.
- Optional ClimatePad wall controllers:**
  - Back box: 2-gang 47mm deep back box installed behind the plasterboard (to create 57mm depth).
  - communication: Daisy chain: 2-core 0.5mm flexible screened cable from each ClimateSync wiring centre to the respective wall controllers.
  - Power Supply: Daisy chain 2-core 0.5mm flexible cable from a 5vdc power supply unit near each ClimateSync wiring centre to the respective wall controllers.
- Optional CentralPad (Central Controller for a single ClimateSync wiring centre):**
  - Back box: 2-gang 47mm deep back box installed behind the plasterboard (to create 57mm depth).

<b>Client:</b>	<b>Page:</b> A3	<b>Tenways Engineering Services Ltd</b> Climate Controls Experts 85 Kenilworth Road, London, HA8 8XA Tel: +44 20 8203 1105 Email: info@tenways.co.uk Web: www.tenways.co.uk
<b>Project:</b> ClimateSync Samples	<b>Date:</b> 15/02/2024	
<b>Drawing:</b> Zone Types: A,B,C,D,E,F,G,H	<b>Var:</b> 2	
<b>Description:</b> Heating & Cooling Wiring Centre	<b>Scale:</b> NTS	





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