



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 places on internal walls at 1400mm height, at a central room location away from heat sources or direct sunlight.
- ClimateSync to CoolMaster Modbus Dalsy chain:** daisy chain all ClimateSync wiring centres to the CoolMaster / CoolLinkBridge (AV Rack) using a 2-core 0.5mm flexible screened cable.
- 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 VRV/VRF outdoor units

Note: for Electric UFH, the limit per ClimateSync relay is 5Amp. Install a contactor for higher rates.

Client:	ClimateSync	Page:	A3	Tenways Engineering Services Ltd Air Conditioning, Equipment, Accessories & Controls 85 Kenilworth Road London HA8 8XA, UK Tel: +44 20 8203 1105 Email: info@tenways.co.uk Web: www.tenways.co.uk
Project:	Template - Single Wiring Centre	Date:	03/08/2023	
Drawing:	Manifold M1 - ClimateSync CH-8	Var:	2	
Description:	Heating & Cooling Wiring Centre	Scale:	NTS	

