

FCU Kit (Fan Coil Unit Control Kit)

Job Name \_\_\_\_\_  
 Purchaser \_\_\_\_\_  
 Submitted to \_\_\_\_\_  
 Unit Designation \_\_\_\_\_

Location \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Reference \_\_\_\_\_ Approval \_\_\_\_\_ Construction \_\_\_\_\_  
 Schedule # \_\_\_\_\_

**Specifications**

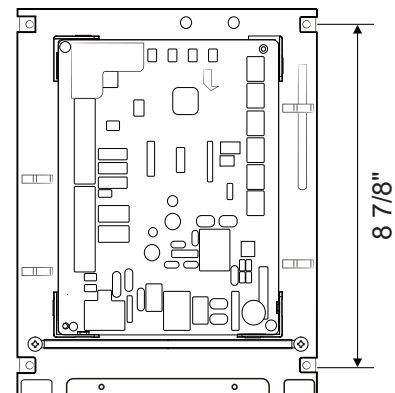
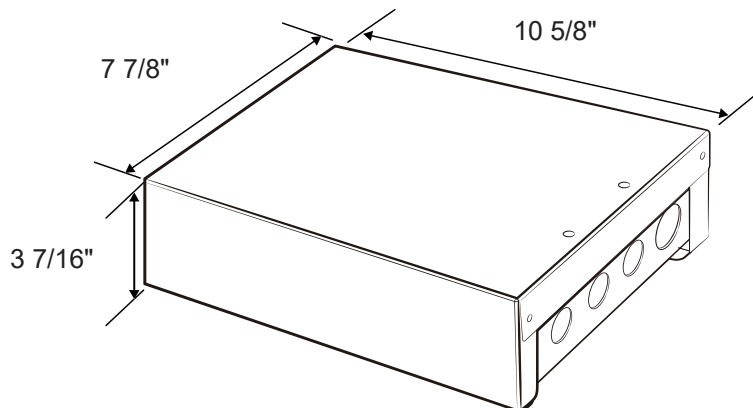
Power	Ø/V/Hz		1 / 208-230 VAC / 60
	MCA	A	2.75
	MOP	A	15
	Rated Capacity	Fan Output (H/M/L) <sup>1</sup>	208 - 230VAC, 60Hz, 1Ph, 1A
Water Valve output		208 - 230VAC, 60Hz, 1Ph, 0.5A	
Compatible Controllers	Wired Control	Advanced Controller	MWR-WG00UN
		Simplified Touch Controller	MWR-SH11UN
	Interface Module		VCTRL05P-1
	Central Control (requires interface module)	DMS 2.5	VCTRL09P-1
		BACnet Gateway	VCTRL02P-1
Central Touch Controller		VCTRL01P-1	
Accessories	Wired Control	Advanced Controller	VSTAT04P-1
		Simplified Touch Controller	VSTAT02P-1
	External Temperature Sensor		VCTRL11P-1
	Interface Module		VCTRL05P-1

**Features**

- Communication and control interface kit for connection of third-party fan coil units (FCU) to Lennox control systems (local wired controller and/or Lennox central controls).
- Provides multiple input and output options
- Can be used along with Chiller systems or standalone to control water valves, fan motors, etc. with Lennox controls
- Supports connection of single speed, multi-speed, and variable speed fan motors.
- Supports 2 pipe or 4 pipe systems.
- Supports ON/OFF and variable position water valves.
- Multiple fan coil units can be connected to a single VCTRL04P-1 (group control)
- Dry contact input to enable/disable FCU via external contact
- Built-in wireless signal receiver for FCU option settings and programming via wireless controller

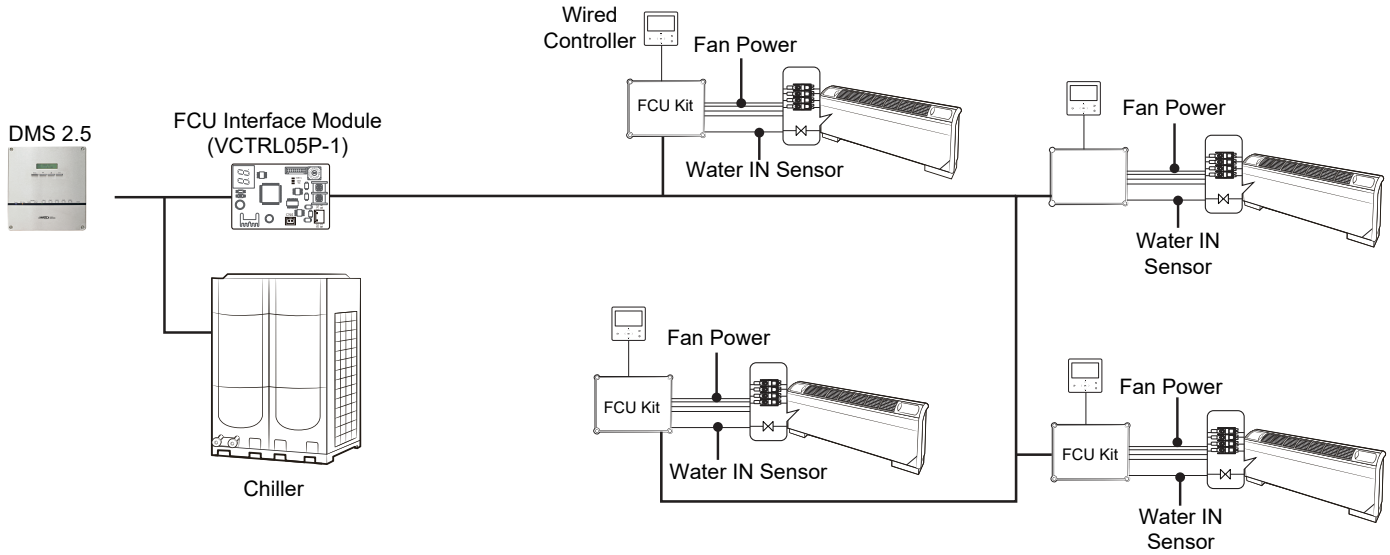
<sup>1</sup> If fan motor current is greater than 1A, a field-provided relay will be required.

- Room temperature will be sensed via wired controller or VCTRL11P-1 external temperature sensor (field-provided)
- Includes two sets of water pipe temperature sensors
- Fan control output: 208-230VAC ON/OFF
- Interface module VCTRL05P-1 is required to connect FCU kit to Lennox central control options

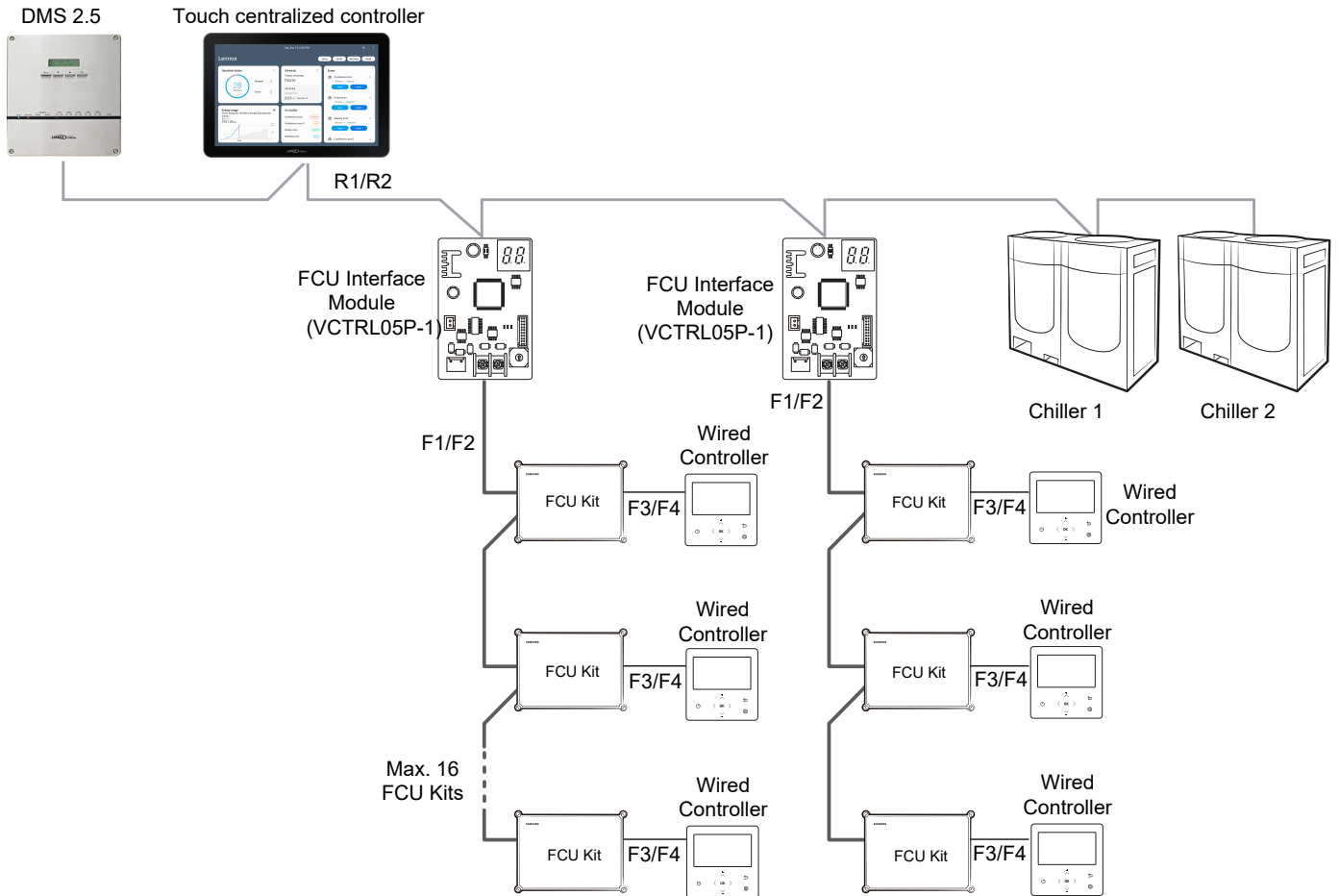


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Connection Examples

Typical connection example

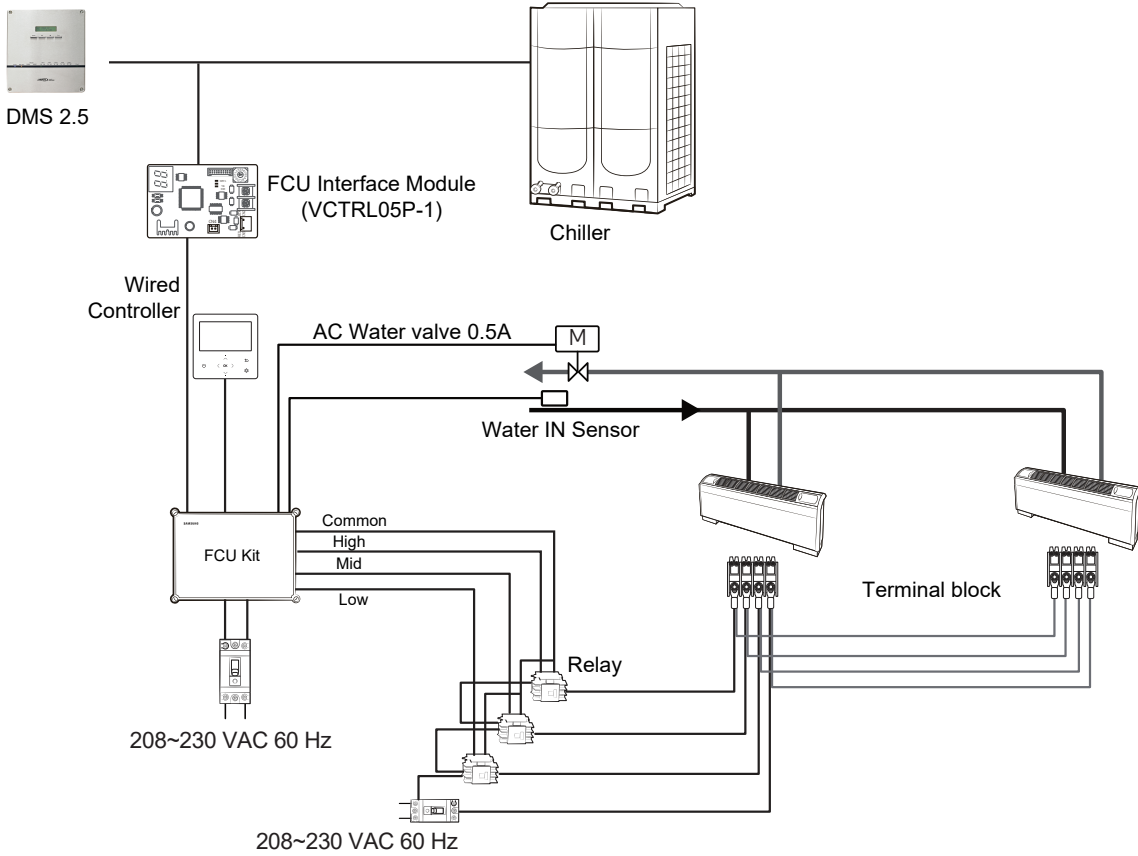


Central control connection example

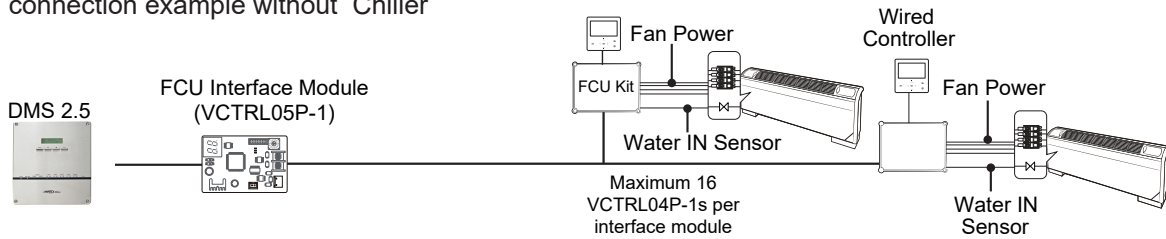


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Connection example: multiple fan coil units connected to 1 VCTRL04P-1



Central control connection example without Chiller



Electrical wiring diagram

