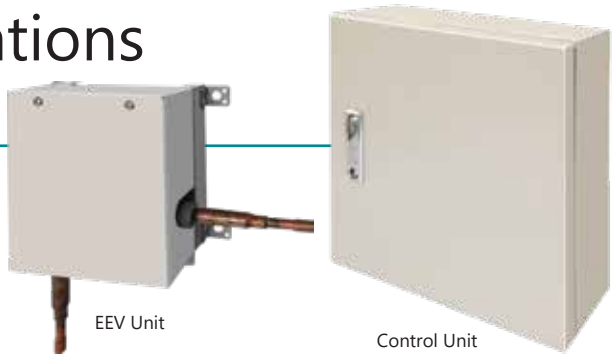
AIRSTAGE

FUJITSU

VRF

DX-Kit for Air Handling Applications

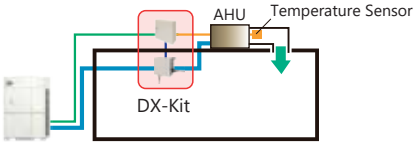
UTP-VU30B, TP-VU60B, UTP-VU90B, UTY-VDGUZ1



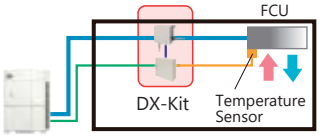
These kits are designed for use with Fujitsu R-32 VRF systems. They enable compatible third-party air handling units (AHUs) and fan coil units (FCUs) to be integrated into a Fujitsu R-32 VRF system or connected to a dedicated Fujitsu R-32 VRF outdoor unit in a 1:1 configuration to provide outside air ventilation (AHU) or room temperature control (FCU).

Flexible Control Strategies for Air Handling Units and Fan Coil Units

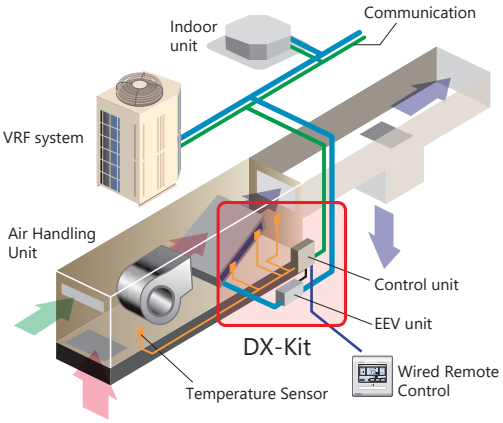
- Air Handling Units (AHUs): When connected to an AHU, it controls the supply air temperature using the discharge air temperature sensor.



- Fan Coil Units (FCUs): When connected to an FCU, it controls the room temperature using the return air temperature sensor.

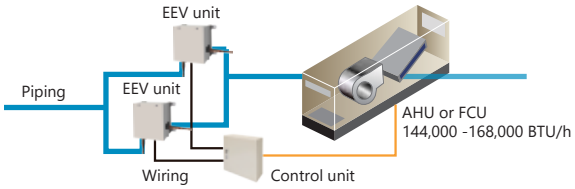


[Arrangement as part of a VRF system]



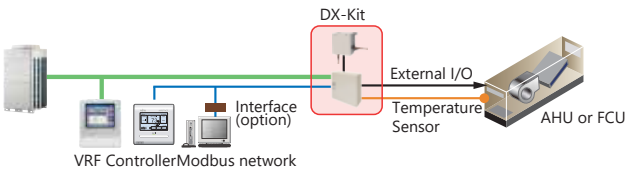
Supports wide range of capacities

- Connectable capacity range: 18,000 BTU/h to 168,000 BTU/h.
- 2 EEV units can be connected in parallel for up to 168,000 BTU/h capacity.

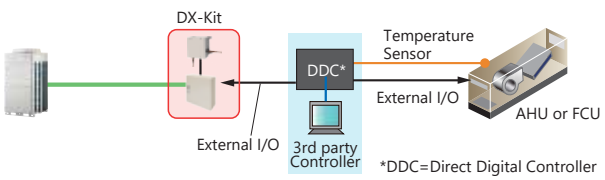


Variety of controls to match the application

- Central control using VRF controllers or central management (BMS) controller.



- Central control from external 3rd party controller



Overview of input/output functions

Inputs

- ON/OFF
- Set temperature
- Capacity demand
- Heating / Cooling operation mode
- Fault information

Outputs

- ON/OFF indication
- Fan ON/OFF indication
- Thermo ON/OFF indication
- Defrost indication
- Fault indication

Modbus control

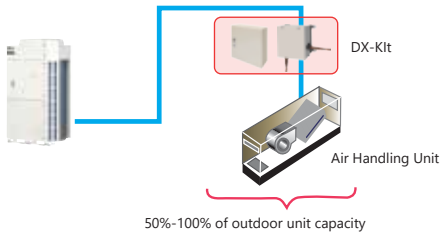
- Possible to control via Modbus interface for integration into a BMS system.

DX-Kit system design parameters

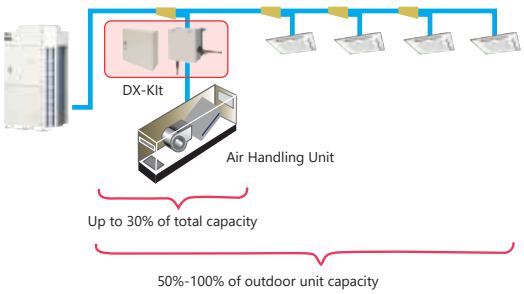
- Compatible with Airstage R-32 VRF Series
- DX-Kit system capacity range: 50 to 100% of the outdoor unit capacity
- DX-Kit system capacity range with indoor units: up to 30% of the outdoor unit capacity
- Max wiring length from control unit: 32ft. (10m)
- Max piping length between EEV unit and indoor unit: 16ft. (5m)
- Both control unit and EEV unit can be installed outdoors.

[Connectable capacity]

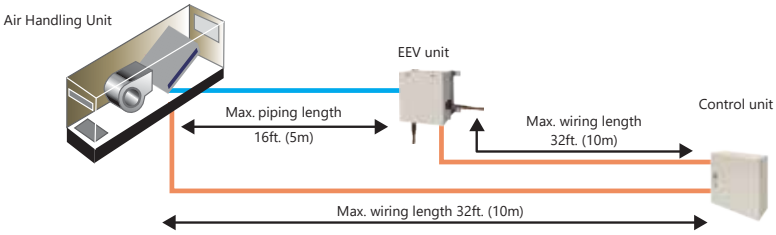
• Single connection



• Mixed connection



[Piping and wiring length]



[For two EEV units connection (option)]

•Separation Tube kit : UTP-LX180A



Specifications

EEV Unit			UTP-VU30B			UTP-VU60B			UTP-VU90B		UTP-VU90B×2	
Connectable capacity		BTU/h	18,000	24,000	30,000	36,000	48,000	60,000	72,000	96,000	144,000	180,000
Capacity	Cooling	BTU/h	18,000	24,000	30,000	36,000	48,000	60,000	72,000	96,000	144,000	168,000
	Heating		20,000	27,000	34,000	40,000	54,000	67,000	81,000	108,000	162,000	188,000
Airflow Rate(Reference value)		CFM (m3/h)	624 (1,060)	706 (1,200)	895 (1,520)	941 (1,600)	1,177 (2,000)	1,318 (2,240)	2,095 (3,560)	2,354 (4,000)	3,767 (6,400)	4,709 (8,000)
Dimensions (H×W×D)		in.(mm)	6-19/64 × 8-21/32 × 3-35/64 (160 × 220 × 90)								(6-19/64 × 8-21/32 × 3-35/64) × 2 (160 × 220 × 90) × 2	
Weight		lbs.(kg)	4.4 (2.0)								4.4 (2.0) × 2	
Connection pipe diameter (Liquid)		in.(mm)	Ø3/8 (9.52)			Ø3/8 (9.52)			Ø1/2 (12.70)			
Control unit			UTY-VDGUZ1									
Power source		V/Ø/Hz	208-230 / 1 / 60									
Dimensions (H×W×D)		in.(mm)	15-3/4 x 15-3/4 x 4-3/4 (400 × 400 × 120)									
Weight		lbs.(kg)	23 (10.5)									

Note: Specifications are based on the following conditions:
Cooling: Indoor temperature of 80°F(26.7°C)DB/67°F(19.4°C)WB, and outdoor temperature of 95°F(35°C)DB/75°F(23.9°C)WB.
Heating: Indoor temperature of 70°F(21.1°C)DB/60°F(15.6°C)WB, and outdoor temperature of 47°F(8.3°C)DB/43°F(6.1°C)WB.
Pipe length: 25ft.(7.5 m)
Voltage : 230 [V]

Part #FG8055 Rev. 8/2026
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