

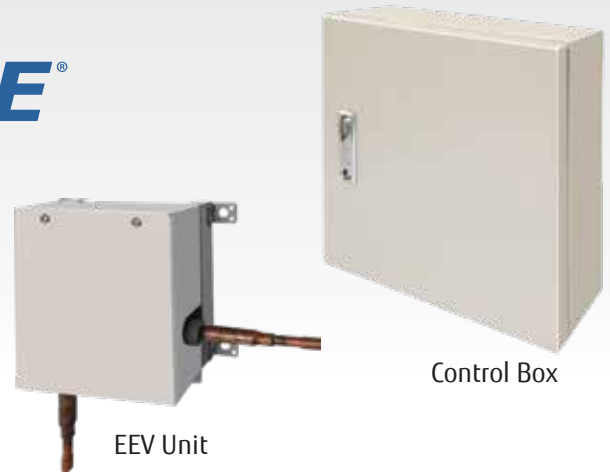
## DX-KIT FOR AIR HANDLING APPLICATIONS

UTP-VU30A

UTP-VU60A

UTP-VU90A

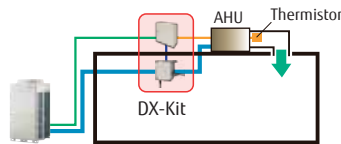
UTY-VDGU



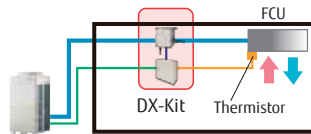
These kits enable other manufacturers air handling units (AHU) and fan coil units (FCU) to be incorporated into a Fujitsu VRF system or be connected to a dedicated Fujitsu VRF outdoor unit as a 1:1 system to control outside air ventilation (AHU) or room temperature (FCU).

## DIFFERENT CONTROL STRATEGIES FOR OPTIMIZED CONTROL OF AIR HANDLING & FAN COIL UNITS

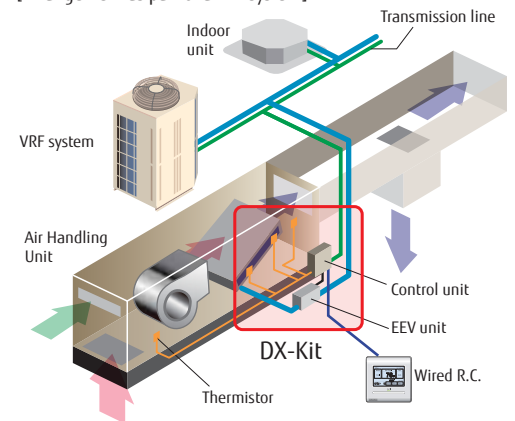
- When connecting to an air handling unit, the supply air temperature can be controlled by the air discharge sensor.



- When connecting to a fan coil unit, the room temperature can be controlled by the return air temperature sensor.

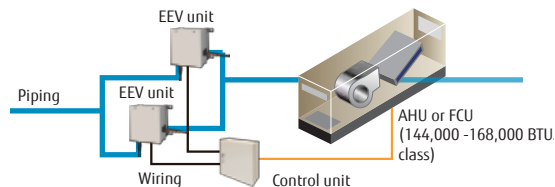


[Arrangement as part of a VRF system]



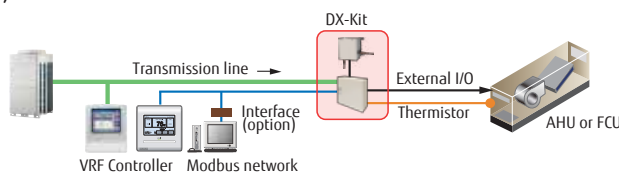
## SUPPORTS WIDE RANGE OF CAPACITY CLASSES

- 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 large capacity units. (Separation Tube kit UTP-LX180A is required for 144,000 BTU/h / 168,000 BTU/h.)

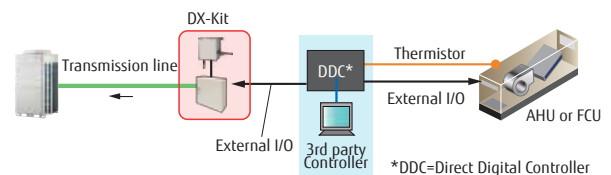


## VARIETY OF CONTROLS TO MATCH THE APPLICATION

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



- Central control from external 3rd party controller



## SUMMARY OF 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

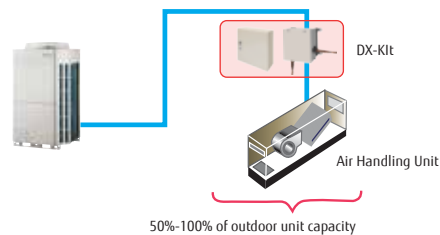
- Possible to control via Modbus interface for the integration into a BMS system.

## INSTALLATION REQUIREMENTS

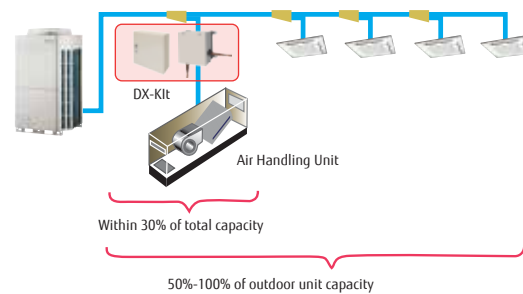
- Connectable VRF series: J-III, J-II, V-II, VR-II
- Connectable DX-Kit system capacity range: 50 to 100% of the outdoor unit capacity
- Connectable DX-Kit system capacity range with indoor units: 30% or less of the outdoor unit capacity
- Max wiring length from control unit: 32ft. (10m)
- Max piping length between EEV unit and indoor unit: 16ft. (5m)
- Outdoor installation: Control unit and EEV unit can be installed at an outdoor space.

[Connectable capacity]

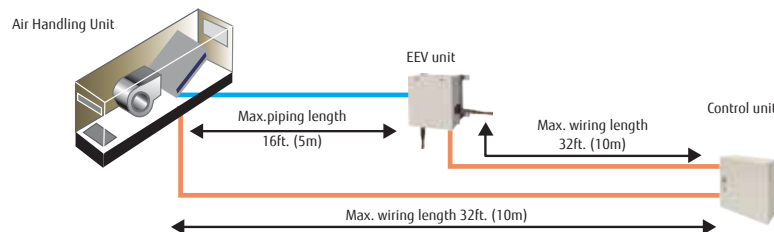
- Single connection



- Mixed connection



[Piping and wiring length]



[For 2EEV units connection (option)]

- Separation Tube kit : UTP-LX180A



## SPECIFICATIONS

EEV Unit		UTP-VU30A			UTP-VU60A			UTP-VU90A		UTP-VU90A×2	
Connectable capacity class	BTU/h	18,000	24,000	30,000	36,000	48,000	60,000	72,000	96,000	144,000	168,000
Capacity	Cooling	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 (m <sup>3</sup> /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)	6-5/16 x 8-11/16 x 3-9/16 (160 × 220 × 90)								6-5/16 x 8-11/16 x 3-9/16 (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-VDGU									
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)	22.0 (10.0)									

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]

Actual product color may be different from the colors shown here. Specifications and design are subject to change without notice.

"AIRSTAGE" is a worldwide trademark of FUJITSU GENERAL LIMITED and is a registered trademark in Japan and other countries or areas.