

Light Commercial & Commercial, Residential

CONTROL SYSTEM & OPTIONAL PARTS



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CONTROL SYSTEM



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INDIVIDUAL CONTROL

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- * For 3D Flow Cassette **New**

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SPLIT



MULTI SPLIT



VRF J-Series



VRF V-Series

Wide product lineup to meet a variety of needs

We can flexibly meet customer needs through a variety of offerings including wired and wireless individual remote controllers, central remote controllers that simultaneously control multiple indoor units, and a variety of convertors that link with other systems.



Control System Overview

For Split & Multi Split

All indoor units are provided with wireless or wired remote controllers as standard equipment. Other options, such as individual and central remote controllers, are also available. The easy-to-operate central remote controller makes it simple to control the operation mode, temperature, airflow volume, timer, and other functions of each indoor unit from a single location.

Air Conditioning Individual Control



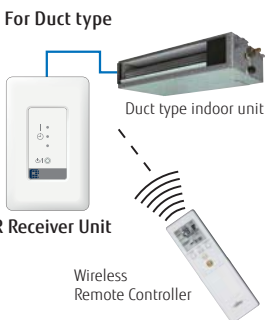
Wired Remote Controller
The room temperature can be controlled by detecting the temperature accurately from the built-in sensor



Wireless Remote Controller
Simple and sophisticated operations with a choice of 4 daily timers



Simple Remote Controller
Compact remote controller provides access to basic functions



IR Receiver Unit
Necessary to control for all duct type by Wireless Remote Controller

Air Conditioning Centralized Control



Central Remote Controller
For 5-6 & 8 Rooms Multi
Central Remote Controller allows individual and central control



Convertor/Adaptor

For external control via BMS/Home Automation Systems

MODBUS® Convertor
For indoor unit
UTY-VMSX



MODBUS® Interface
For indoor unit
FJ-RC-MBS-1



KNX® Convertor
For indoor unit
UTY-VKSX



KNX® Interface
For indoor unit
FJ-RC-KNX-1i



Wireless LAN Interface
FJ-RC-WIFI-1



Network Convertor

(DC power supply)
UTY-VTGX



(AC power supply)
UTY-VTGXV



Online Control (Wireless Control via Smart Phone/Tablet)

By using our Wireless LAN Interface and FGLair app, you can control your home's cooling and heating anytime and anywhere.

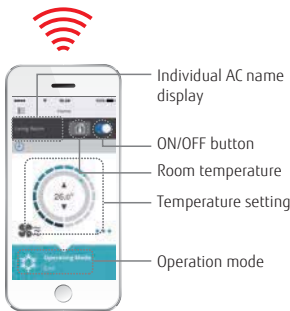
Wireless LAN Interface

The exclusive Wireless LAN adaptor enables to operate the air conditioner by smartphone or tablet PC from outside.



User friendly app

User friendly screen display facilitates easy operation.



Control System Overview

For VRF

User's needs are supported by offering a variety of controls, such as individual control, central control and building management control options.

Air Conditioning Individual Control



Wired Remote Controller (Touch panel)
UTY-RNRYZ3



Wired Remote Controller
UTY-RLRY



Simple Remote Controller
UTY-RSRY
UTY-RHRY
Without operation mode



Wireless Remote Controller
UTY-LNHY



For Duct



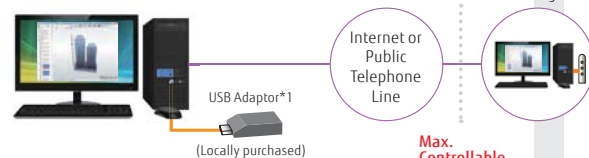
New
For 3D Flow Cassette/Duct



For Cassette For Circular Flow Cassette

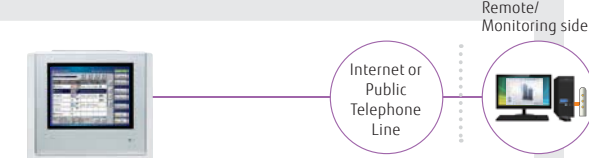
IR Receiver Unit
UTB-YWC For Duct
NEW UTY-TRHX For 3D Flow Cassette/Duct
UTY-LRHYB1 For Cassette
UTY-LBHXD For Circular Flow Cassette

Air Conditioning Centralized Control



System Controller (Software)
UTY-APGXZ1/UTY-ALGXZ1 (Lite edition)
Max. Controllable **1600**^{*2} indoor units

*1: USB Adaptor: Echelon® U10 USB Network Interface
*2: Lite edition is max. controllable 400 indoor units



Touch Panel Controller
UTY-DTGYZ1
Max. Controllable **400** indoor units



NEW Central Remote Controller
UTY-DCGYZ1
Max. Controllable **100** indoor units



Group Remote Controller
UTY-CGGY
Network Converter (For Group Remote Controller)
UTY-VGGXZ1
Max. Controllable **8** Remote Controller Groups

Convertor/Adaptor

For external control via BMS/Home Automation Systems

- BACnet® Gateway**
UTY-ABGXZ1 **Software**


- BACnet® Gateway**
UTY-VBGX **Hardware**


- Network Converter (For LONWORKS®)**
UTY-VLGX


- MODBUS® Converter For indoor unit**
UTY-VMSX


- MODBUS® Converter**
UTY-VMGX

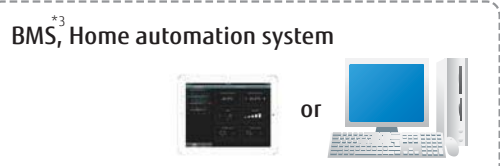

- KNX® Converter For indoor unit**
UTY-VKSX


- KNX® Converter For VRF**
UTY-VKGX


- Wireless LAN Interface**
UTY-TFSXZ1


- External Switch Controller**
UTY-TERX





*3: BMS/BAS: Building Management System/Building Automation System

Convertor/Adaptor

For system expansion

- Network Converter (DC power supply)**
UTY-VTGX


- Network Converter (AC power supply)**
UTY-VTGXV


- Signal Amplifier**
UTY-VSGXZ1





Best Control Solution for Each Property

Fujitsu General provides the best control solutions suitable for the various properties.

SHOP

Type	Individual Control	Centralized Control				Integrating Control (Interface)		
								
	Wired Remote Controller	Group Remote Controller	Central Remote Controller	Touch Panel Controller	System Controller	Network Convertor for LONWORKS®	MODBUS® Convertor	KNX® Convertor
	UTY-RNRYZ3, UTY-RLRY, UTY-RVNYM	UTY-CGGY	UTY-DCGYZ1	UTY-DTGYZ1	UTY-APGXZ1, UTY-ALGXZ1	UTY-VLGX	UTY-VMGX	UTY-VKGX
Automatic control of A/C (Schedule timer, Weekly timer etc.)	●	●	●	●	●			
Limited control for staff (RC Prohibition, Room temp set point limitation etc.)			●	●	●	●	●	●
Group Control		●	●	●	●			
Advanced Energy Saving (Peak cut, Indoor unit rotation operation etc.)					●			
Remote Management			●	●	●			
Manage multiple sites			●	●	●			
Monitor energy consumption					●			
Control third party products					●			
Integrate FGL A/C into BMS						●	●	●

HOTEL

Type	Individual Control			Centralized Control				Integrating Control (Interface)				
												
	Wired Remote Controller	Simple Remote Controller	Wireless Remote Controller	Group Remote Controller	Central Remote Controller	Touch Panel Controller	System Controller	BACnet® Gateway	Network Convertor for LONWORKS®	MODBUS® Convertor	KNX® Convertor	External Switch Controller
	UTY-RNRYZ3, UTY-RLRY, UTY-RVNYM	UTY-RSRY, UTY-RHRY, UTY-RSNYM	UTY-LNHY, UTY-LNTY, UTY-LNTX	UTY-CGGY	UTY-DCGYZ1	UTY-DTGYZ1	UTY-APGXZ1, UTY-ALGXZ1	UTY-ABGXZ1, UTY-VBGX	UTY-VLGX	UTY-VMGX	UTY-VKGX	UTY-TERX
Local control for hotel guest	●	●	●									
Centralized A/C control for common space				●	●	●	●	●	●	●	●	
Limited control for hotel guests					●	●	●	●	●	●	●	
Remote Management					●	●	●					
Advanced Energy Saving (Peak cut, Indoor unit rotation operation etc.)							●	●				
Monitor energy consumption							●					
Control third party products							●					
Integrate FGL A/C into BMS								●	●	●	●	
Interlock with window contact												●
Interlock with key-card												●

OFFICE

Type	Individual Control			Centralized Control				Integrating Control (Interface)				
												
	Wired Remote Controller	Simple Remote Controller	Wireless Remote Controller	Group Remote Controller	Central Remote Controller	Touch Panel Controller	System Controller	BACnet® Gateway	Network Convertor for LONWORKS®	MODBUS® Convertor	KNX® Convertor	External Switch Controller
	UTY-RNRYZ3, UTY-RLRY	UTY-RSRY, UTY-RHRY, UTY-RSNYM	UTY-LNHY, UTY-LNTY, UTY-LNTX	UTY-CGGY	UTY-DCGYZ1	UTY-DTGYZ1	UTY-APGXZ1, UTY-ALGXZ1	UTY-ABGXZ1, UTY-VBGX	UTY-VLGX	UTY-VMGX	UTY-VKGX	UTY-TERX
Local control for office staff	●	●	●	●	●							
Automatic control of A/C (Schedule timer, Weekly timer etc.)	●		●	●	●	●	●	●				
Centralized A/C control for management					●	●	●	●	●	●	●	
Limited control for office staff (RC Prohibition, Room temp set point limitation etc.)					●	●	●	●	●	●	●	
Advanced Energy Saving (Peak cut, Indoor unit rotation operation etc.)							●	●				
Remote Management					●	●	●					
Energy Charge Apportionment						●	●	●				
Monitor energy consumption							●					
Control third party products							●					
Integrate FGL A/C into BMS								●	●	●	●	
Interlock with door contact												●
Interlock with human sensor for meeting room												●

Comparison Table of Controllers

Item															
		Wired Remote Controller (Touch panel)	Wired Remote Controller	Wired Remote Controller	Simple Remote Controller	Simple Remote Controller	Simple Remote Controller*1	Wireless Remote Controller	Wireless Remote Controller	Central Remote Controller (For 8 rooms Multi)	Group Remote Controller	Central Remote Controller	Touch Panel Controller	System Controller Lite 	System Controller 
Model name		UTY-RNRYZ3	UTY-RLRY	UTY-RVNYM	UTY-RSNYM	UTY-RSRY	UTY-RHRY	UTY-LNHY	UTY-LNTY, UTY-LNTX	UTY-DMMYM	UTY-CGGY	UTY-DCGYZ1	UTY-DTGYZ1	UTY-ALGXZ1	UTY-APGXZ1
Max. controllable remote controller groups		1	1	1	1	1	1	1	1	1	8	100	400	400	1600
Max. controllable indoor units		16	16	16	16	16	16	16	16	8	128	100	400	400	1600
Max. controllable groups		—	—	—	—	—	—	—	—	—	—	50	400	400	1600
Air conditioning control function	On / Off	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Operation mode setting	●	●	●	●	●	—	●	●	●	●	●	●	●	●
	Fan speed setting	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Room temp. setting	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Room temp. set point limitation	●	●	●	—	●	●	—	—	—	—	●	●	●	●
	Test operation	●	●	●	●	●	●	●	●	—	—	—	●	—	—
	Up/down air direction flap setting	●	●	●	—	●	●	●	●	—	—	●	●	●	●
	Right/left air direction flap setting	●	●	●	—	—	—	●	—	—	—	●	●	●	●
	Individual louver control	●	—	—	—	—	—	—	—	—	—	●*3	●	—	—
	Group setting	—	—	—	—	—	—	—	—	—	—	●	●	●	●
	RC prohibition	—	—	—	—	—	—	—	—	●	—	●	●	●	●
	Anti freeze setting	●	—	—	—	—	—	—	—	—	—	●	●	●	●
	Set temp. auto return	●	●	●	—	—	—	—	—	—	—	—	●	—	—
	Economy mode setting	●	●	●	—	—	—	●	●	●	—	●	●	●	●
	Human sensor control	●	—	—	—	—	—	—	—	●	—	—	●	●	●
Display	Error	●	●	●	●	●	●	—	—	●	●	●	●	●	●
	Defrosting	●	●	●	●	●	●	—	—	—	—	●	●	●	●
	Current time	●	●	●	—	—	—	●	●	●	●	●	●	●	●
	Day of week	●	●	●	—	—	—	—	—	—	●	●	●	●	●
	R.C. prohibition	●	●	●	●	●	●	—	—	●	●	●	●	●	●
	Address display	●	●	●	●	●	●	—	—	—	●	—	●	●	●
	Room temp	●	—	●	—	●	●	—	—	—	—	●	●	—	—
	Multi language	●	—	●	—	—	—	—	—	●	—	●	●	●	●
	Summer time	●	—	●	—	—	—	—	—	●	—	●	●	●	●
	Name registration	●	—	—	—	—	—	—	—	—	—	●	●	●	●
	Backlight	●	—	●	●	●	●	—	—	●	—	●	●	—	—
	2D floor layout / 3D building display	—	—	—	—	—	—	—	—	—	—	—	—	—	●
	Refrigerant leakage detection function	—	—	—	—	—	—	—	—	—	—	●	●	●	●
Timer	Schedule timer	Period	Week	Week	Week	—	—	—	—	Week	Week	Week	Year	Year	Year
		On/off, Temp, Mode, Times per day	8	4	8	—	—	—	—	4	4	20	20	144	144
	On/off timer	●	●	●	—	—	—	●	●	—	—	—	—	—	—
	Sleep timer	—	—	—	—	—	—	●	●	—	—	—	—	—	—
	Program timer	—	—	—	—	—	—	●	●	—	—	—	—	—	—
	Auto off timer	●	●	●	—	—	—	—	—	—	—	●	●	—	—
	Day off	●	●	●	—	—	—	—	—	●	—	●	●	●	●
Control	Min. unit of timer setting (Minutes)		10 • 30	30	30	—	—	5	5	5	10	10	10	10	10
	Status monitoring system		—	—	—	—	—	—	—	—	—	●	●	●	●
	Electricity charge apportionment		—	—	—	—	—	—	—	—	—	—	○	○	●
	Error history		●	●	●	—	—	—	—	—	●	●	●	●	●
	Emergency stop		—	—	—	—	—	—	—	—	—	●*2	●*2	—	—
	Remote management		—	—	—	—	—	—	—	—	—	●	●	○	●
	Energy saving management		—	—	—	—	—	—	—	—	—	—	—	○	○
	E-mail notification for malfunction		—	—	—	—	—	—	—	—	—	●	●	●	●
	Key lock		● Child lock	● Child lock	● Child lock	—	—	—	—	● Child lock	● Child lock	● Password setting	● Password setting	● Password setting	● Password setting
	Low noise mode		—	—	—	—	—	—	—	●	—	—	●	●	●

*1 "Operation mode" setting is not available for this model. *2 This function is available only through external input control. *3 Only individual airflow batch reset is mounted.
●: Supported ○: Optional function —: Not supported yet

Wired Remote Controller (Touch Panel)

UTY-RNRYZ3



Max. Controllable
16 indoor units

Max. Controllable
1 Group

Easy operation by high-definition large STN-LCD touch panel screen

- Easy finger touch operation with LCD panel
- Built-in weekly/Daily timer (ON/OFF, Temp., Mode)
- Backlight enables easy operation in a darkened room
- Room temperature display
- Control up to 16 indoor units
- Corresponds to 12 different languages (English, Chinese, French, German, Spanish, Russian, Polish, Italian, Greek, Portuguese, Turkish and Dutch)
- 2-wire type

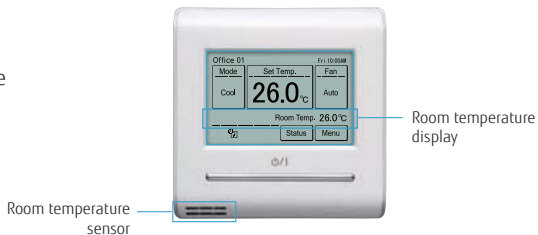
High performance and compact size

In addition to the individual control, weekly timer, and various energy saving controls can be realized using one remote controller only.



Accurate and comfortable control

Indoor temperature can be detected accurately by the inclusion of a thermo sensor in the body of the wired controller.



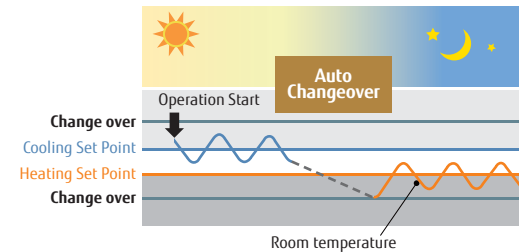
Various energy saving control

Custom Auto

- Maintains 2 separate set points for heating and cooling.
- Automatically changes mode between heating and cooling.

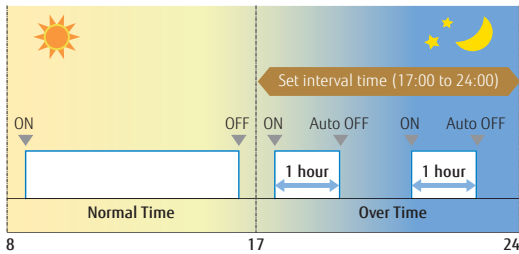
* This function is not available for some models.

Cooling set temp. 27°C, Heating set temp. 26°C



Auto OFF timer

- The indoor unit automatically is turned off when it reaches the preset operating time frame.
- The time frame of the "Auto off timer" can be flexibly scheduled.
- Can be set off time 30 to 240 minutes



Ex.) At interval time hour (17:00 to 24:00) to prevent forgetting to turn off
Set off time : 1 hour

2 schedules Weekly Timer

Set Temperature Auto Return

Set Temperature Upper and Lower Limit Setting

Specifications

Model name	UTY-RNRYZ3
Power Source	DC 12 V
Dimensions (H × W × D) (mm)	120 × 120 × 20.4
Weight (g)	220

DC 12 V is supplied by the indoor unit.

Wired Remote Controller

UTY-RLRY



Max. Controllable
16 indoor units

Max. Controllable
1 Group

- Various timer setup (ON / OFF / WEEKLY) are possible.
- The room temperature can be controlled by detecting the temperature accurately with Built-in thermo sensor.
- When a failure occurs, the error code is displayed.
- Error history. (Last 16 error codes can be accessed.)
- 2-wire type

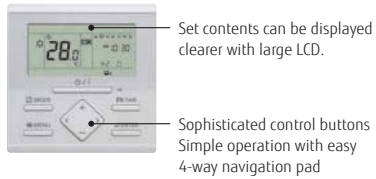
High performance and compact size

In addition to the individual control, weekly timer, and various energy saving controls can be realized using only one remote controller.



High visibility and easy operation

- "Mode", "Set Temp", and "Fan" are displayed at large size on the top screen.
- Each function to be set is indicated by an icon.
- Control guide is displayed and operation is simple and straightforward.



Specifications

Model name	UTY-RLRY
Power Source	DC 12 V
Dimensions (H × W × D) (mm)	120 × 120 × 17
Weight (g)	170

DC 12 V is supplied by the indoor unit.



Simple Remote Controller

UTY-RSRY / UTY-RHRY (Without operation mode)



Without operation mode

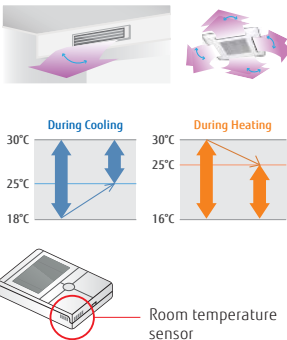
Compact remote controller provides access to basic functions

- Up to 16 indoor units can be controlled with one remote controller.
- Suitable for hotels or offices as it is easily operated with no complex functions.
- Stylish design: Simple design to match the stylish interior.
- Large LCD screen & simple operation buttons
- Backlight: White colored backlight on monitor enable easy operation in dark.
- 2-wire type

Max. Controllable
16 indoor units
Max. Controllable
1 Group

Corresponding to various applications

- **Vertical louver control:** Vertical air flow direction can be adjusted for Duct types with auto louver and Cassette types, which are installed in hotels and conference rooms, can be adjusted.
- **Room temperature set point limitation:** The Simple Remote Controller can manage to energy saving operation in small buildings without the central control unit.
- **Built in room temperature sensor:** The Simple Remote Controller detects actual room temperature and controls room climate accuracy.



Simple Remote Controller

UTY-RSNYM, UTY-RSKY/UTY-RHKY (Without operation mode)



Without operation mode

Compact remote controller provides access to basic functions

- Up to 16 indoor units can be controlled with one remote controller.
- Suitable for hotels or offices as it is easily operated with no complex functions.
- Backlight enables easy operation in a darkened room.
- 3-wire type

Max. Controllable
16 indoor units
Max. Controllable
1 Group

Easy-to-use operation

- Provides access to basic operations, such as Start / Stop, Fan control, Operation mode switching, and Room temperature setting.
- A large On / Off button is provided in the centre of the remote controller for easy operation.
- Can be used jointly with other individual control unit.
- Following an error display, diagnostics can be carried out on the controller.

Specifications

Model name	UTY-RSRY	UTY-RHRY	UTY-RSNYM, UTY-RSKY	UTY-RHKY
Power Source	DC 12 V	DC 12 V	DC 12 V	DC 12 V
Dimensions (H × W × D) (mm)	120 × 75 × 19.4	120 × 75 × 19.4	120 × 75 × 19.4	120 × 75 × 14
Weight (g)	120	120	120	90

DC 12 V is supplied by the indoor unit.

MODBUS® Convertor for Indoor Unit

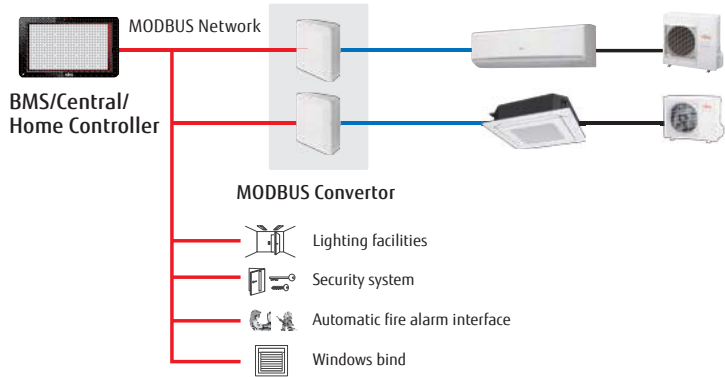
UTY-VMSX



Max. Connectable
1 Single indoor unit

The MODBUS Convertor allows a complete integration of air conditioners into MODBUS Networks.

- Simple installation due to small and compact size.
- No separate external power supply required.
- The MODBUS Convertor must be connected one by one in the indoor unit.
- The MODBUS Controller permits central monitoring and control of air conditioners from BMS/Central/Home Controller.

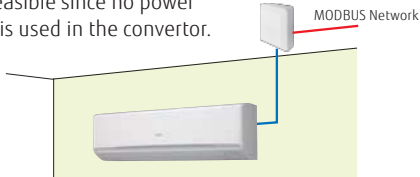


Basic control

- Turning the units on and off
- Mode control (Heat, Cool, Dry, Auto, Fan)
- Fan speed setting
- Louver position (Airflow direction setting)
- Room temperature setting and display
- Economy mode setting
- Error status

Easy Installation

Flexible installation locations with neat wirings are feasible since no power supply cable is used in the convertor.



KNX® Convertor for Indoor Unit

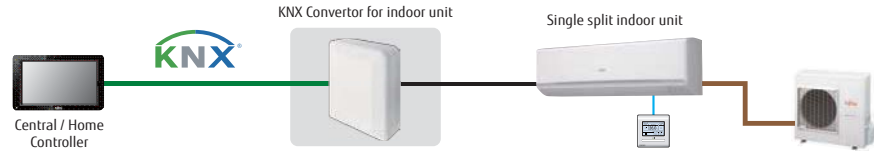
UTY-VKSX



Max. Connectable
1 Single indoor unit

KNX Convertor is useful for individual control of indoor.

- New KNX Convertor enables to connect central/home controller and Fujitsu General indoor unit.
- Compact and light weight design



Specifications

Model name	UTY-VMSX
Power supply	DC 12 V
Input Power (W)	Max. 1.2
Dimensions (H×W×D)(mm)	140 × 117 × 43
Weight (g)	200
Maximum Connectable indoor unit number per 1 MODBUS Convertor	1

Modbus communication specifications

Transfer mode	RTU mode
Communication speed	9600/19200bps
Data bit	8
Parity	even/odd/none
Stop bit	1/2 (no parity)
Network	RS485
Maximum cable length	1000m (3280 ft)

Model name	UTY-VKSX
Power supply	DC 12 V
Power consumption (W)	0.6
Dimensions (H×W×D)(mm)	140 × 117 × 43
Weight (g)	215

Wireless LAN Interface

UTY-TFNXZ1 / UTY-TFSXZ1, UTY-TFSXW1, UTY-TFSXF2



NEW

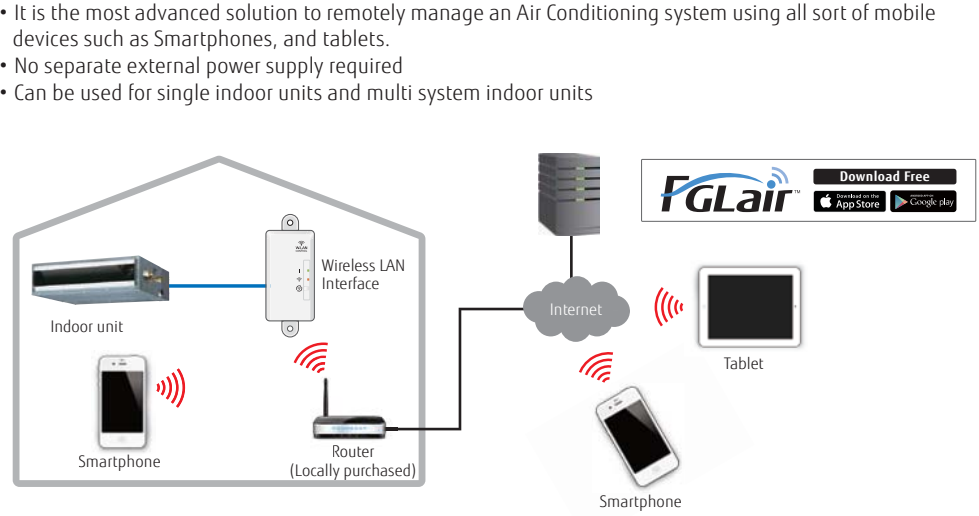


USB type for single split models
UTY-TFSXF2



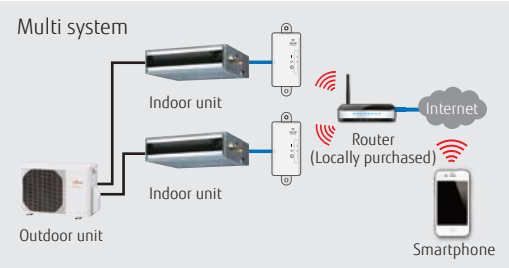
UTY-TFNXZ1 / UTY-TFSXZ1,
UTY-TFSXW1

Max. Connectable
1 Single indoor unit



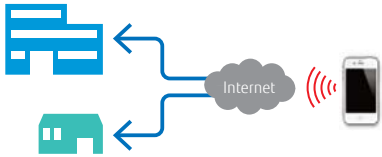
Basic control

- Turning the units on and off
- Mode control (Heat, Cool, Dry, Auto, Fan)
- Fan speed setting
- Louver position (Airflow direction setting)
- Timer operation setting (Weekly timer)
- Economy mode setting



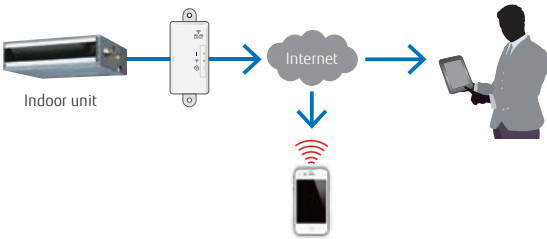
Multiple air conditioning management

- Multiple air conditioning management at difference locations.



Error display & E-mail notification

- Alerts e-mail notification
- Air conditioning malfunction display
- It enables rapid service response when error occurs.



NEW Wireless LAN Interface (USB type) UTY-TFSXF2

New compact USB type is available. Specialized installation work is not required and it can be installed to indoor unit easily.



Specifications

Model name	UTY-TFNXZ1 / UTY-TFSXZ1	UTY-TFSXW1	UTY-TFSXF2
Dimensions (H × W × D) (mm)	71 × 38 × 15	71 × 38 × 15	56.7 × 34 × 9.72
Weight (g)	35	35	30

External Switch Controller

UTY-TERX



Max. Controllable
1 group

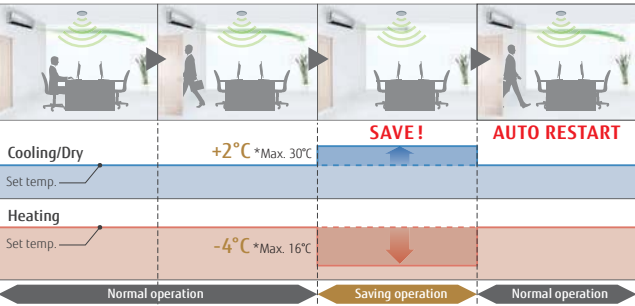
Air conditioner switching can be controlled by connecting other sensor switches

- In combination with a field supply Card-Key Switch or other sensor, the External Switch Controller allows control of the ON / OFF, Room temperature, Fan speed and Master control functions. This makes this product suitable for installations such as hotel rooms.
- Card-key or other sensor switches are available as a locally purchased parts.
- The set temperature can be specified at two points for cooling and heating individually (4 points).



Installation example

Human sensor catches movements of people in a room, and operates with lower capacity when people come back to the room, it automatically returns to previous operation mode.



Human sensor equipment needs to be purchased locally. Human sensor is not mounted on the External Switch Controller.



Specifications

Model name	UTY-TERX
Power Supply	DC 6.5-16 V
Dimensions (H × W × D) (mm)	140 × 117 × 43
Weight (g)	250

DC 12 V is supplied by the indoor unit.

Network Convertor for Single Split
UTY-VTGX / UTY-VTGXV



UTY-VTGX
DC power supply type



UTY-VTGXV
AC power supply type

Max. Controllable
16
single indoor units

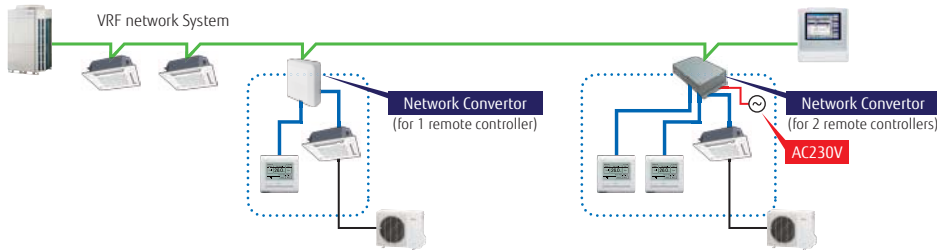
Max. Controllable
1 Group

Max. Controllable
100
Network Convertors

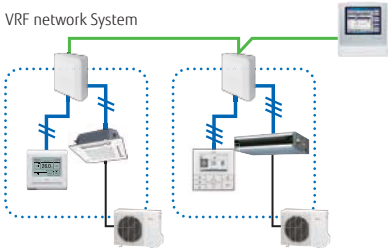
- The network converters are required when connecting single split system to VRF network system.
- Compact and light weight design
- Connectable to both types of 2-wire and 3-wire remote controllers

Installation example.

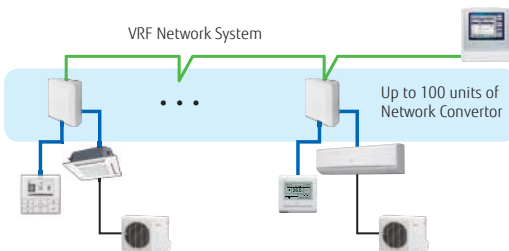
- 2 types of 1 remote controller type and 2 remote controllers type are available.
- Power supply (AC220-240V, 50/60 Hz) is required for 2 remote controllers type.



- 2-wire and 3-wire type of the wired remote controller can be connectable.



- A central control can be provided for the single split systems. (Up to 100 units of Network Converter is connectable in one VRF network system)



Specifications

Model name	UTY-VTGX		UTY-VTGXV
Power Supply	polar 3-wire DC 12 V	non-polar 2-wire DC 12 V	220-240 V 50/60 Hz
Input power (W)	Max. 1.2		Max. 3
Dimensions (H × W × D) (mm)	140 × 117 × 43		54 × 260 × 150
Weight (g)	250		1,100

Wired Remote Controller
UTY-RVNYM



Max. Controllable
16 indoor units

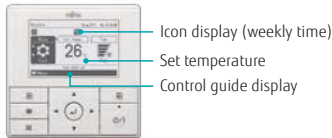
Max. Controllable
1 Group

Hi-grade individual control using various functions.

- 3.7-inch LCD backlight screen.
- Supporting various Energy Saving functions with simple operation.
- Multiple Language Support.
(English, German, French, Spanish, Russian, Portuguese, Italian, Greek, and Turkish)

High visibility and Easy operation

- Icon display of effectual functions.
- Main functions in large icons: "Mode", "Set Temp", and "Fan".
- Easy to operate by Control guide display.
- Simple operation with easy 4-way navigation pad.



High performance and compact size

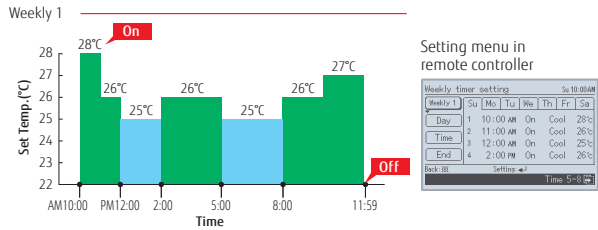
- In addition to the individual control, various energy saving controls can be realized using only one remote controller.



Various energy saving control

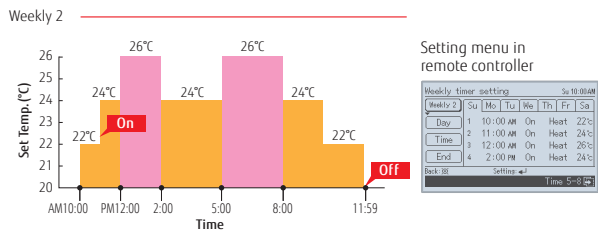
Weekly Timer function

- Can be set up to 8 times per day (On/Off, mode, Temp)
- 2 pattern settings(i.e. Summer/Winter setting) are available.



Auto OFF Timer

- Set Temperature Auto Return
- Set Temperature Upper and Lower Limit Setting



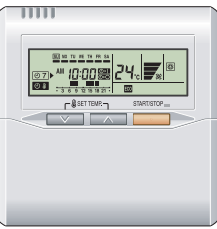
Specifications

Model name	UTY-RVNYM
Power Source	DC 12 V
Dimensions (H × W × D) (mm)	120 × 120 × 21.3
Weight (g)	220

DC 12 V is supplied by the indoor unit.

Wired Remote Controller

UTY-RNNYM



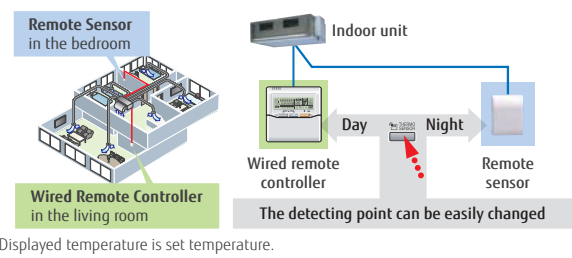
Max. Controllable
16 indoor units
Max. Controllable
1 Group

- Simple operation with Built-in Weekly / Daily Timer.
- Control up to 16 indoor units.
- Up to 2 wired remote controllers can be connected to a single indoor unit.

Accurate and comfortable

Indoor temperature can be detected accurately by the inclusion of a thermo sensor in the body of the wired controller. This wired remote controller and the optional remote sensor allows flexibility in sensor location, suitable for all requirements.

Example of changing sensor



Built-in timers

Weekly timer: Possible to set ON/OFF time to operate twice each day of the week.
Setback timer: Possible to set temperature for two times spans and for each day of the week.
At "Weekly timer" + "Set back timer" setup

Wireless Remote Controller

UTY-LNTY, UTY-LNTX



Max. Controllable
1 indoor units
Max. Controllable
16 Group
Selectable
4 daily timers

Simple and sophisticated operations with a choice of 4 daily timers

- A single controller controls up to 16 indoor units.

Built-in timers

4 timer programs: On / Off / Program / Sleep
Program timer: Operates ON/OFF timer once within 24 hours
Sleep timer: Corrects the set temperature automatically during sleep time

Easy installation and operation

Code selector switch prevents indoor unit mix-up (up to 4 codes)
Wide and precise transmitting range

Specifications

Model name	UTY-RNNYM	UTY-LNTY/UTY-LNTX
Power Source	DC 12 V	DC5V
Dimensions (H × W × D) (mm)	120 × 120 × 18	145 × 90 × 30
Weight (g)	160	150

DC 12 V is supplied by the indoor unit.

IR Receiver Unit for Duct

UTY-LRHYM, UTY-LBTYM

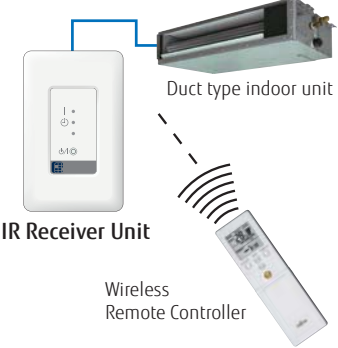
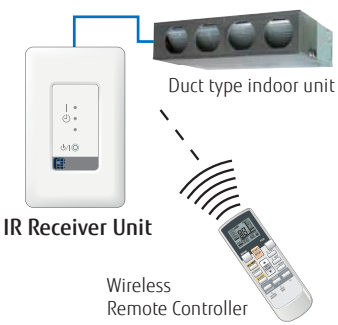


UTY-LRHYM



UTY-LBTYM

Duct type indoor units can be controlled with Wireless Remote Controller



IR Receiver Unit for Cassette

UTY-LRHYA2, UTY-LBTYC



UTY-LRHYA2



UTY-LBTYC

Cassette type indoor unit can be controlled with Wireless Remote Controller



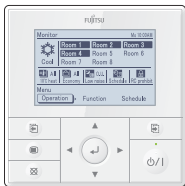
Specifications

Model name	UTY-LRHYM	UTY-LBTYM	UTY-LRHYA2	UTY-LBTYC
Battery	DC5V	DC5V	DC5V	DC5V
Dimensions (H × W × D) (mm)	145 × 90 × 30	145 × 90 × 30	193.9 × 193.9 × 31.2	193.9 × 193.9 × 31.2
Weight (g)	150	150	140	140

DC 12 V is supplied by the indoor unit.

Central Remote Controller

UTY-DMMYM



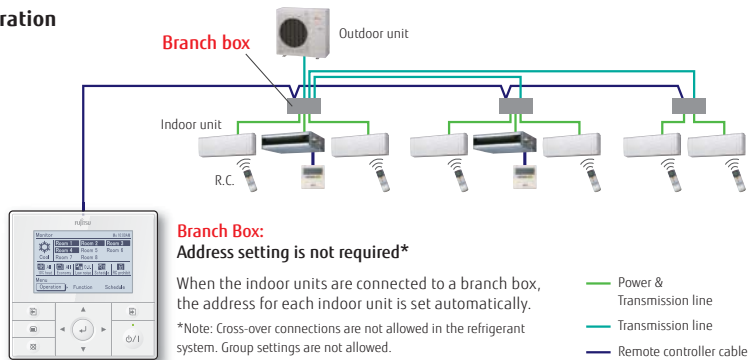
Max. Controllable
1 multi system

Max. Controllable
8 indoor units

For 5-6 Rooms Multi, 8 Rooms Multi

- Batched control of up to 8 indoor units. The temperature, airflow volume, and remote control prohibition settings of all indoor units can be batched.
- Corresponds to 9 different languages (English, German, French, Spanish, Russian, Portuguese, Italian, Greek, and Turkish)
- Large backlight LED screen
- Large easy-to-see operation panel

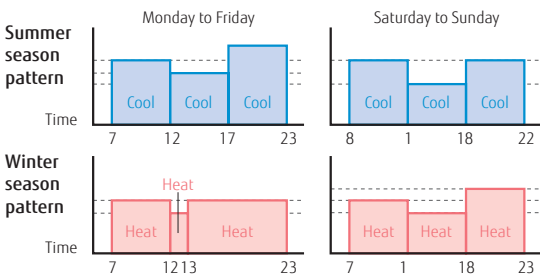
System configuration



Central Remote Controller Functions

Weekly schedule timer

The ON/OFF setting can be set for 4 times a day. Two weekly patterns can be set to match the cooling and heating seasons.



Low noise operation

Users can choose from 4 low noise levels, depending on the installation environment. The operation time can be set using the timer.

10°C heat operation

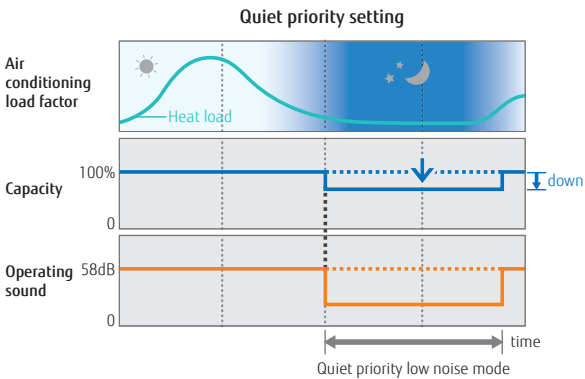
When you leave, minimum heating operation is performed to maintain the room temperature (maintain at 10°C).

Economy operation

Economy operation is energy saving, as the set temperature of indoor unit is shifted by 1°C and the maximum electric value of the outdoor unit is suppressed.

Prohibited Settings

The remote controller operation of all indoor units comes with a lock function to prevent unapproved operations in the various rooms. The central remote controller also has a key lock function to prevent children from playing with it, etc.



Specifications

Model name	UTY-DMMYM
Power Source	DC 12 V
Dimensions (H × W × D) (mm)	120 × 120 × 21.3
Weight (g)	220

DC 12 V is supplied by the indoor unit.

MODBUS® Interface

FJ-RC-MBS-1

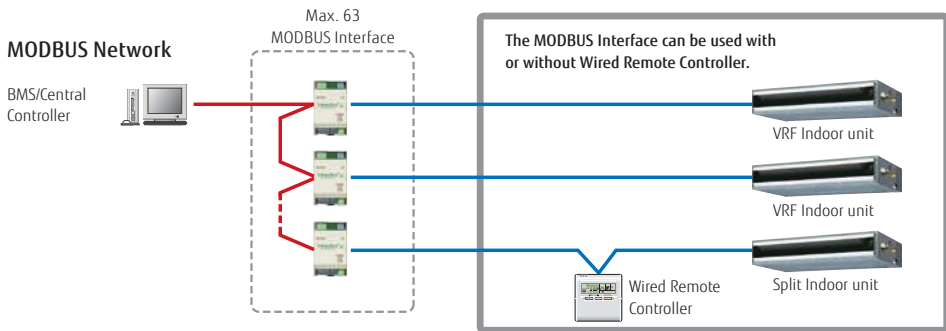


Max. Connectable
1 Single indoor unit

Max. Controllable
1 Group

The MODBUS Interface allows a complete integration of air conditioners into MODBUS Networks.

- Simple installation due to small and compact size.
- No separate external power supply required.
- The MODBUS Interface permits central monitoring and control of air conditioners from BMS.



KNX® Interface

FJ-RC-KNX-1i

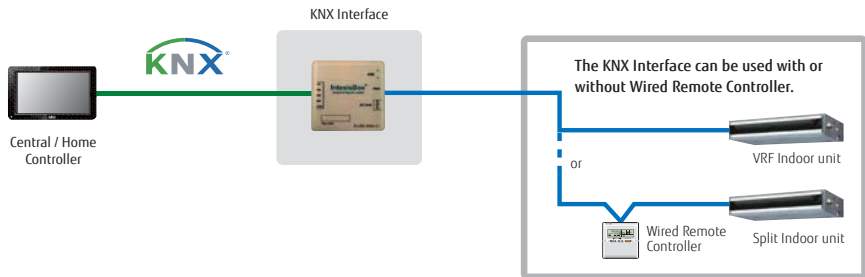


Max. Connectable
1 Single indoor unit

Max. Controllable
1 Group

The KNX Interface allows a complete integration of air conditioners with KNX Network systems.

- Simple installation due to small and compact size.
- No separate external power supply required (just KNX bus power).
- Can be used for single indoor units and group controlled (up to 16) indoor units.



Specifications

Model name	FJ-RC-MBS-1	FJ-RC-KNX-1i
Dimensions (H × W × D) (mm)	93 × 53 × 58	70 × 70 × 28
Weight (g)	85	70

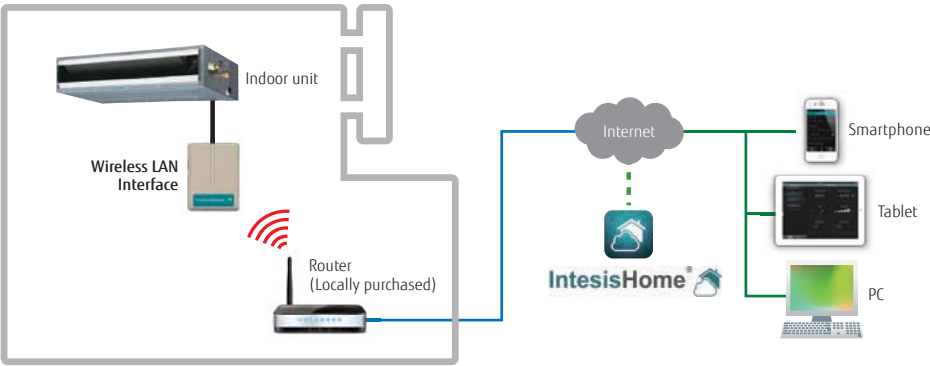
Wireless LAN Interface

FJ-RC-WIFI-1



- It is the most advanced solution to remotely manage an Air Conditioning system using all sort of mobile devices such as Smartphones, Tablets and PC
- No separate external power supply required
- Can be used for single indoor units and group controlled (up to 16) indoor units

Max. Connectable
1 Single indoor unit
Max. Controllable
1 Group



Basic control

- Turning the units on and off
- Mode control (Heat, Cool, Dry, Auto, Fan)
- Fan speed setting
- Louver position (Airflow direction setting)
- Room temperature display
- Set temperature control
- Multi Language
- One Scene and Timer



(Application screen image)

Advanced control (Optional functions)

- Climate working modes (ECO, Comfort, Powerful) (future release)
- Schedule functions (ON/OFF, Modes, Set point temperature, Fan Speed, Louver position)
- Set temperature limitation (future release)
- Multiple Scenes & Timers and Calendar function

Notifications and history

- Alerts e-mail notification (future release)
- Air conditioning malfunction alerts
- Connectivity monitoring and alerts
- History (future release)

Specifications	
Model name	FJ-RC-WIFI-1
Dimensions (H × W × D) (mm)	108 × 70 × 28
Weight (g)	80

Wireless Remote Controller

UTY-LNHY



Max. Controllable
16 indoor units
Max. Controllable
1 Group
Selectable
4 daily timers

Simple and sophisticated operations with a choice of 4 daily timers

- A single controller controls up to 16 indoor units.

Built-in timers

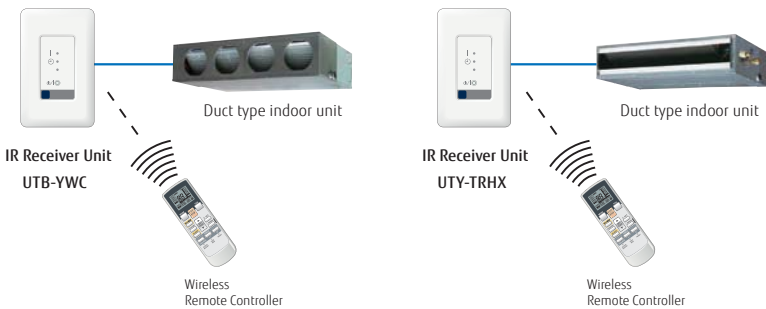
4 timer programs: On / Off / Program / Sleep
Program timer: Operates ON/OFF timer once within 24 hours
Sleep timer: Corrects the set temperature automatically during sleep time

Easy installation and operation

Code selector switch prevents indoor unit mix-up (up to 4 codes)
Wide and precise transmitting range

IR Receiver Unit for Duct

UTB-YWC, UTY-TRHX



Duct type* indoor units can be controlled with Wireless Remote Controller

*Only Large Airflow Duct can not be connected to IR Receiver Unit.

*The wireless remote controller (Model: UTY-LNHY) is necessary separately

IR Receiver Unit for Cassette

UTY-LRHYB1, UTY-LBHxD, UTY-TRHX



Cassette type indoor unit can be controlled with Wireless Remote Controller

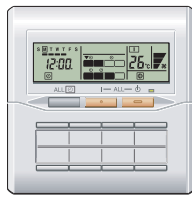
*The wireless remote controller (Model: UTY-LNHY) is necessary separately

Specifications	UTY-LNHY	UTB-YWC	UTY-LRHYB1	UTY-LBHxD	UTY-TRHX
Model name	UTY-LNHY	UTB-YWC	UTY-LRHYB1	UTY-LBHxD	UTY-TRHX
Battery	1.5 V (R03 / LR03 / AAA)×2	DC 5 V	DC5V	DC5V	DC 5 V
Dimensions (H × W × D) (mm)	170 × 56 × 19	145 × 90 × 30	193.9 × 193.9 × 31.2	193.9 × 193.9 × 31.2	145 × 90 × 30
Weight (g)	85	150	140	140	150

DC 12 V is supplied by the indoor unit.

Group Remote Controller/Network Convertor

UTY-CGGY / UTY-VGGXZ1



Group Remote Controllers
UTY-CGGY



Network Convertor
UTY-VGGXZ1
For Group Remote Controller

Max. Controllable
8 remote controller groups

Max. Controllable
92 indoor units in 8 Groups

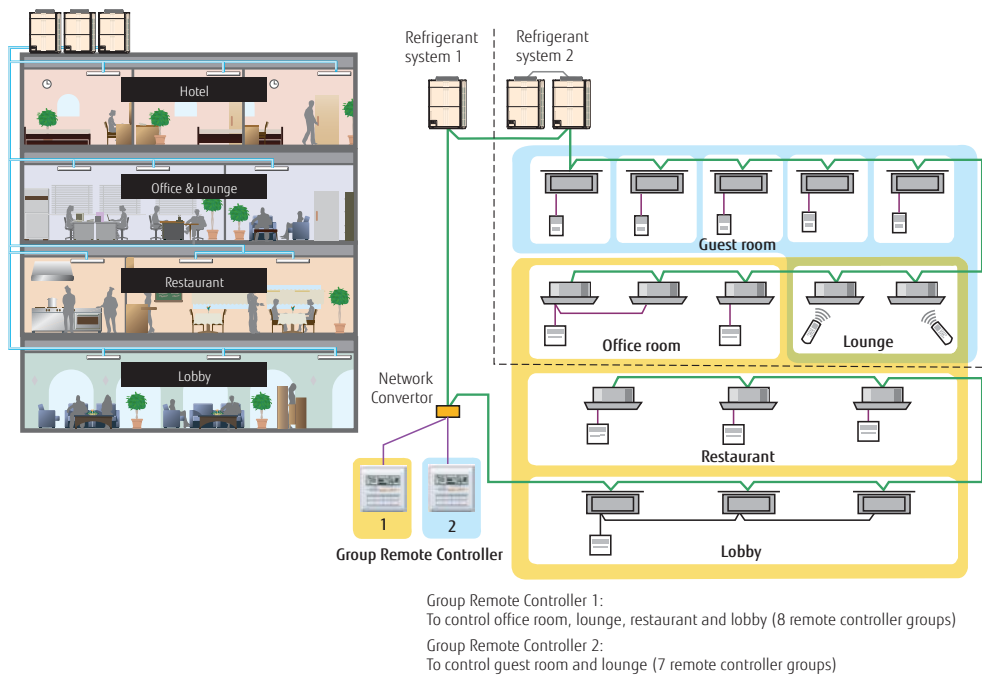
Max. Controllable
2 refrigerant circuits

Group control of indoor units with simple operation

- Up to 8 remote controller groups can be controlled by one Group Remote Controller.
- Up to 64 Group Remote Controllers can be connected in one VRF network system.
- Network Convertor is required to connect Group Remote Controllers to a VRF network system. (Network Convertor allows up to 4 Group Remote Controllers)
- 3-wire type

Control up to 8 remote controller groups

- Single Group Remote Controller controls and monitors up to 8 remote controller groups.



Group Remote Controller 1:
To control office room, lounge, restaurant and lobby (8 remote controller groups)
Group Remote Controller 2:
To control guest room and lounge (7 remote controller groups)

High performance and compact size

ON / OFF, Operating mode, Room temperature and Fan speed setting can be controlled / monitored centrally or individually.



Built-in weekly timers

The weekly timer is provided as a standard function.

Specifications

Model name	UTY-CGGY
Power Supply	DC 12 V
Dimensions (H × W × D) (mm)	120 × 120 × 18
Weight (g)	200

DC 12 V is supplied by the indoor unit.

Model name	UTY-VGGXZ1
Power Supply	208-240 V 50/60 Hz, Single phase
Power Consumption (W)	6.5
Dimensions (H × W × D) (mm)	67 × 288 × 211
Weight (g)	1,500

Central Remote Controller

UTY-DCGYZ1



NEW



Max. Controllable
100 indoor units

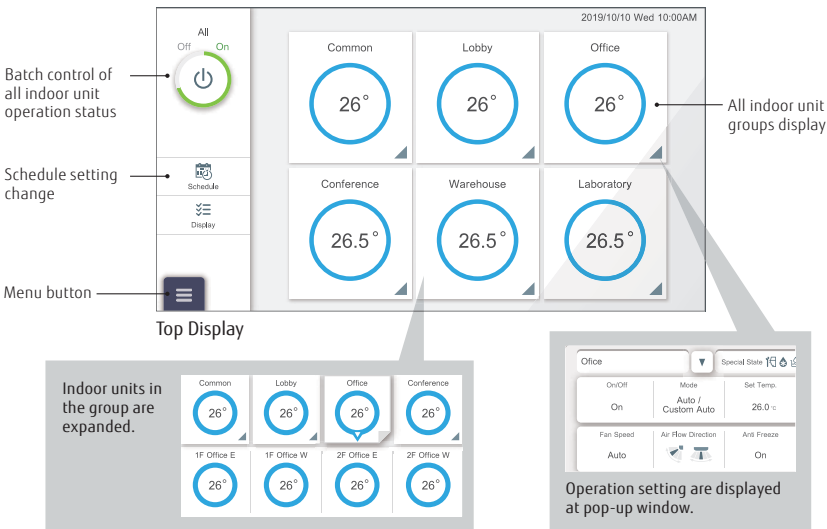
Max. Controllable
50 groups

For small- and medium-sized buildings and tenants

- Individual control and monitor of 100 indoor units
- 7.0inch TFT color screen
- High visibility and easy operation
- Supports max.12 different languages
- Standard language corresponds to 12 different languages. (English, Spanish, German, French, Italian, Russian, Portuguese, Turkish, Polish, Greek, Dutch, Chinese)

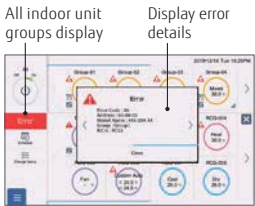
Easy operation

- The new central remote controller realized an intuitive operation feeling by touch panel operation.
- All functions can be accessed from the top screen and the following operations are displayed at pop-up window.



Trouble support function

Display error details
Display descriptive explanation when an error occurs



Sensor value monitoring function

Monitor sensor data of indoor unit / outdoor unit, send mail

Notify room temperature by email
Notify by e-mail when the temperature around the air conditioner is too high or too low

Remote monitoring / Remote operation

New central remote controller can control your tenant's air conditioner anytime and anywhere.

Example

- Control / Monitoring Fujitsu air conditioner
- Error notification by E-mail



Specifications

Model name	UTY-DCGYZ1
Power Supply	100-240 V 50/60 Hz
Dimensions (H × W × D) (mm)	134.6 × 216.2 × 37.9
Weight (g)	800

Touch Panel Controller

UTY-DTGYZ1



- Large-sized 7.5-inch TFT color
- LCD Easy finger touch operation
- Stylish shape and design to suit all application
- Up to 400 indoor units can be controlled
- Selectable 2 display types (Icon / List) in monitoring mode
- Supports 7 different-languages ,English, Chinese, French, German, Spanish, Russian, Polish.
- Mounted with LAN interface for remote control & operation, external input / output with emergency stop and batch ON / OFF

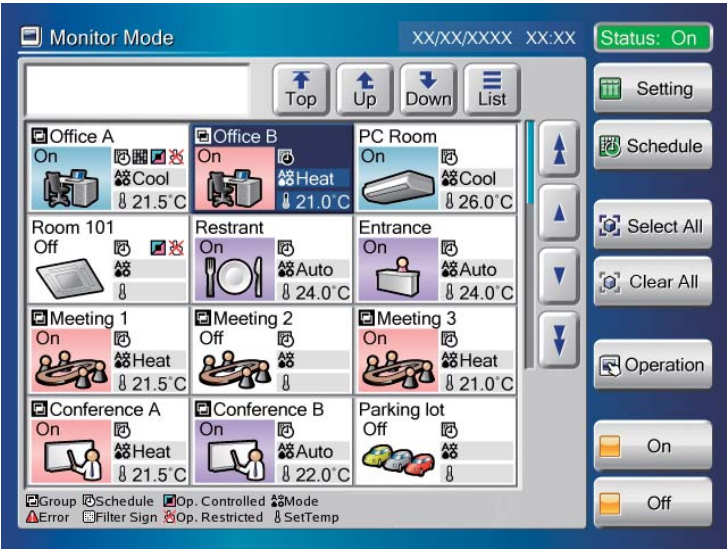
Max. Controllable
400 indoor units

Max. Controllable
100 outdoor units

Max. Controllable
400 groups

Easy Operation

- Wide range of simple-to-understand icons
- Operation can be selected using your finger or the dedicated touch pen by pressing the appropriate on-screen icon.
- Back color identifies current control operation blue for monitoring, green for operational control.



Easy maintenance

- Flat touch screen is easily cleaned
- Non-glare coating on touch panel controller minimizes fingerprint marking
- Easy-to-remove front cover

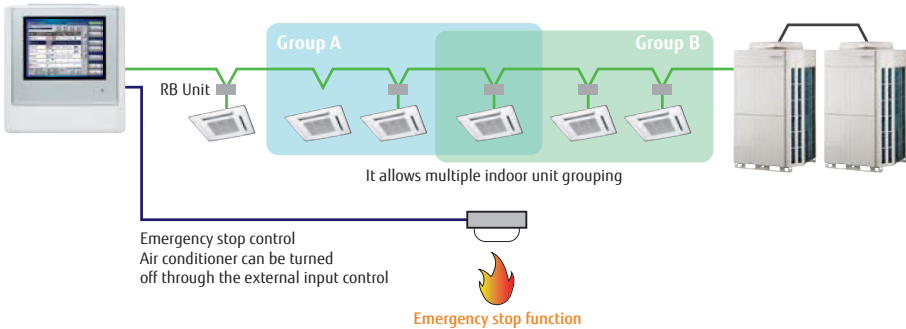


Easy installation

- Touch Panel Controller is easily mounted to the wall.
- Flat back surface allows to be installed wherever it is needed.
- No additional component is required for installation



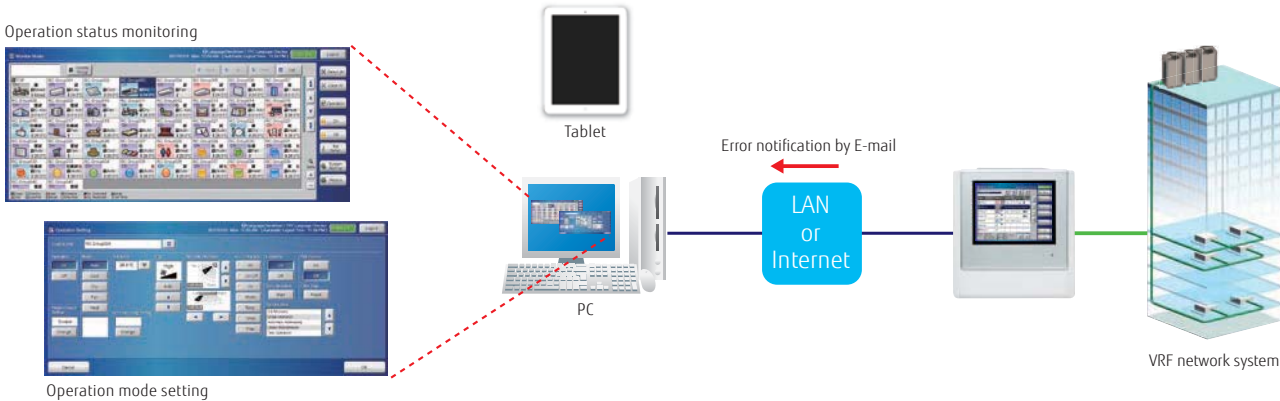
Up to 400 indoor units can be controlled



Features: Touch Panel Controller

Control & monitoring

- Control and monitor Fujitsu's air conditioner via LAN or Internet.
- Allow user or tenant to manage only assigned equipment by their PC or tablet from anywhere.
- Error contents are notified automatically by E-mail at error occurrence to handle the trouble promptly.



Smart Phone

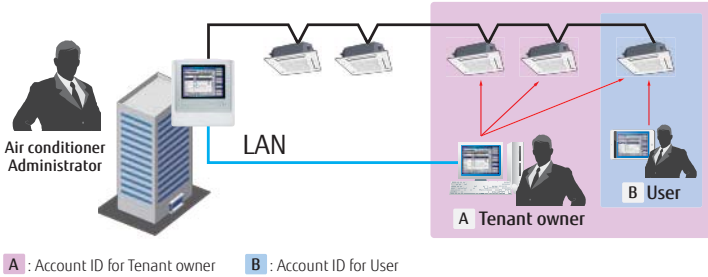
Model name	Browser
Nexus 6P (Android 7.1.1)	Google Chrome 5.5
iphone 7 (iOS 10.1)	Safari 10

Tablet

Model name	Browser
iPad Pro 9.7 inch (iOS 10.2.1)	Safari 10

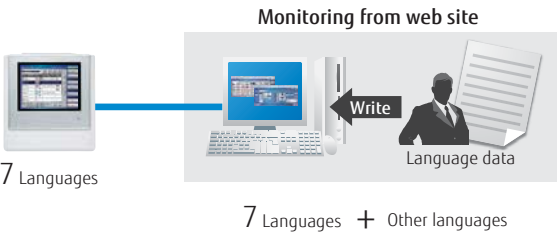
Flexible access permission for Point each level user.

Administrator can register multiple user to permit which indoor unit(s) and which function can access.



Additional languages function

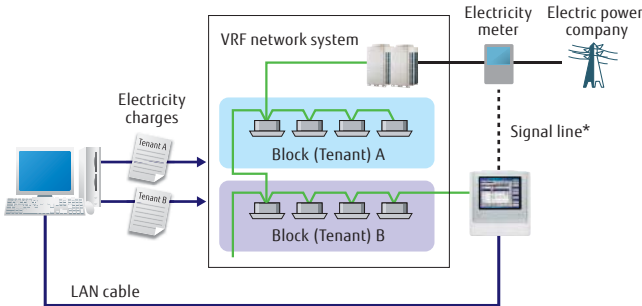
Corresponds to 7 different languages, English, Chinese, French, German, Spanish, Russian, Polish as standard. Additional language can be integrated on remote device by creating language database. Additional language is displayed on only the remote device, and Touch Panel Controller cannot be added other languages.



Electricity charge apportionment (Option: UTY-PTGXA)

- Electricity charge apportionment can be performed easily for the power consumed when billing users for air conditioning power charges.

- Apportionment charge/bill calculation
- Tenant (block) setting
- Common facilities apportionment setting
- Rated power consumption allotment setting
- Individual calculation at cooling and heating
- Electricity meter supported



*: Electricity meter (1unit) can be connected to external input connector of the TPC unit. In this case, electricity meter cannot be connected to outdoor unit simultaneously.

Features: Touch Panel Controller

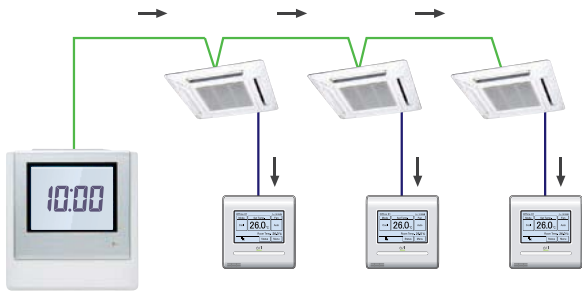
Automatic summer time setting

Providing function

- 1) Schedule setting of summer time setting
 - It prevents the user from forgetting to set summer time. In addition, it reduces the time and labor of user.

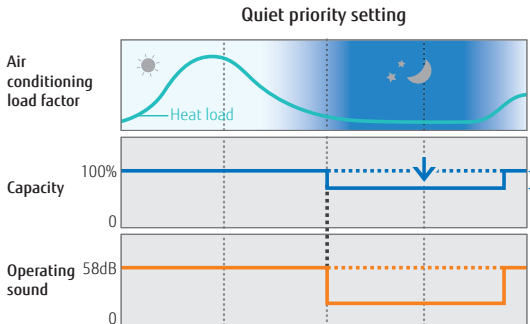
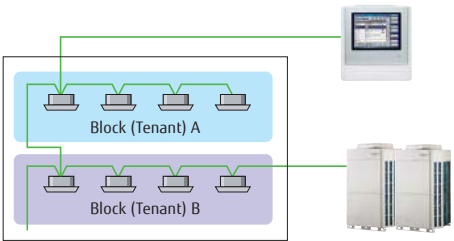
Automatic clock adjustment

- 2) The time setting of each controller can be set in batch automatically.



Outdoor low noise operation

Users can choose from 4 low noise levels, depending on the installation environment. The operation time can be set using the timer.



Various energy saving control

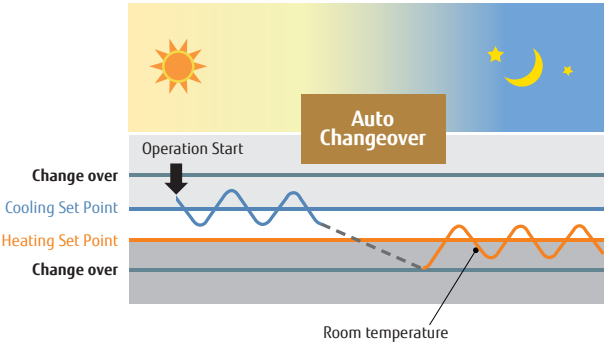
Custom Auto

- Maintains 2 separate set points for heating and cooling.
- Automatically changes mode between heating and cooling.

* This function is not available for some models.



Cooling set temp. 28°C, Heating set temp. 18°C



Refrigerant leakage detection function

The refrigerant leak condition is indicated by the management equipment, and if refrigerant leakage occurs, it is displayed as a pop-up, the user is notified, and the refrigerant is shut off.



FUNCTIONS SUMMARY

		
	UTY-DTGVZ1	Monitoring side
Air conditioning control function		
On / Off	●	●
Operation mode setting*	●	●
Fan speed setting	●	●
Room temp. setting	●	●
Room temp. set point limitation	●	●
Test operation	●	●
Up/down air direction flap setting	●	●
Right/left air direction flap setting	●	●
Individual louver control	●*1	●
Group setting	●	●
RC prohibition	●	●
Anti freeze setting	●	●
Set temp. auto return	—	●
Various energy saving control	—	●
Economy mode setting	●	●
Human sensor control	—	●
Display		
Error	●	●
Defrosting	●	●
Current time	●	●
Day of week	●	●
R.C. prohibition	●	●
Cooling/heating priority	●	●
Address display	●	●
Room temp	●	●
Multi language	●	●
Summer time	●	●
Time zone setting	●	●
Name registration	●	●
Backlight	●	●
Language setting	7	7+other
Filter sign reset	●	●
Memory operation	●	●
Refrigerant leakage detection function	●	●

●: Supported ○: Optional function —: Not supported yet
*1 Only setting cancellation can be operated.
*2 This function is available only through external input control.

			
		UTY-DTGVZ1	Monitoring side
Timer			
Schedule timer	Period	Year	Year
	On/off, Temp, Mode, Times per day	20	20
On/off timer		—	—
Sleep timer		—	—
Program timer		—	—
Auto off timer		—	●
Day off		●	●
Min. unit of timer setting (Minutes)		10	10
Control			
Status monitoring system		●	●
Electricity charge apportionment		○	○
Error history		●	●
Emergency stop		●*2	●*2
Remote management		—	●
Energy saving management		—	—
E-mail notification for malfunction		—	●
Key lock		● Password setting	—
Low noise mode		●	●

CONTROL SYSTEM – CENTRALIZED CONTROL

System Controller

UTY-APGXZ1 Software

Max. Controllable
4 VRF network systems

Max. Controllable
400 outdoor units

Max. Controllable
1,600 indoor units

System Controller realizes the advanced integrated monitoring & control of VRF network system from small scale buildings to large scale buildings.

- Up to a maximum of 4 VRF network systems, 1600 indoor units, and 400 outdoor units can be controlled.
- In addition to air conditioning precision control function, central remote control, electricity charge calculation, schedule management, and energy saving functions are strengthened and building manager and owner needs are met.
- Corresponds to 7 different languages (English, Chinese, French, German, Spanish, Russian, Polish)



System Controller Lite

UTY-ALGXZ1 Software

Max. Controllable
1 VRF network systems

Max. Controllable
100 outdoor units

Max. Controllable
400 indoor units

System Controller Lite has standard functions sufficient for air conditioner management in small and medium scale buildings .

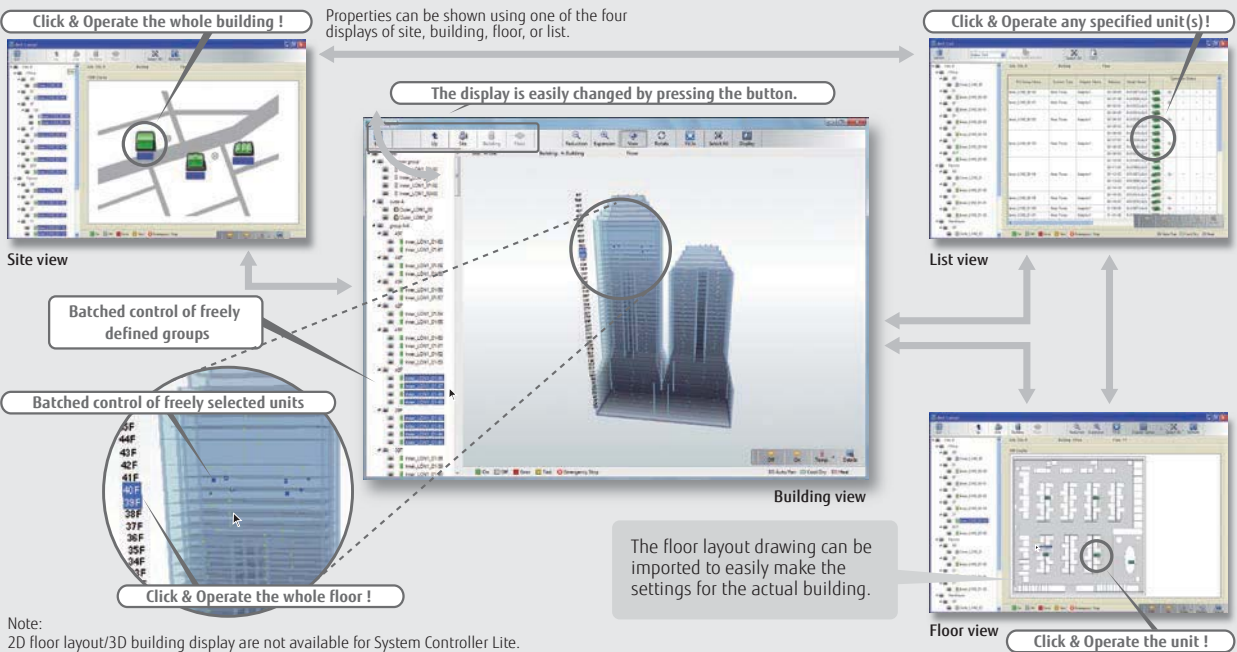
- Up to a maximum of 1 VRF network system, 400 indoor units, and 100 outdoor units can be controlled.
- In addition to air conditioning precision control function, a variety of management software is available as an option to give customers a wide range of choice.
- Corresponds to 7 different languages (English, Chinese, French, German, Spanish, Russian, Polish)



High visibility and Easy operation

Click & Operate: The property is shown visually from the perspective most suitable for operation and operated accordingly (Click & Operate). You can select from among the 4 displays of site, building, floor, or list.

Freely define groups for batched control: Indoor units can be freely grouped for simple batched control from a tree menu. Grouping by hierarchal structure, such as by section, division or department is possible.

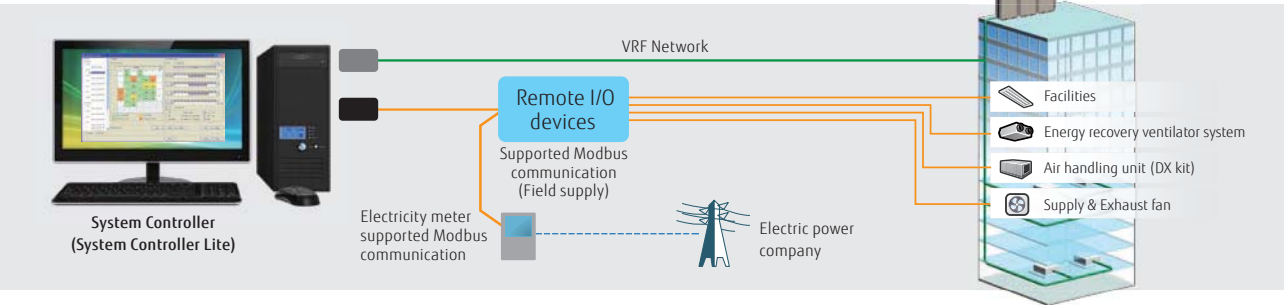


Features: System Controller/System Controller Light

3rd party devices connected by Modbus can be controlled.

Standard for System Controller **Option** for System Controller Lite UTY-PLGXX2

When Modbus Adaptor (locally purchased) is connected to PC, the electric facilities supported by Modbus can be controlled centrally. Wasteful electricity charge by forgetting to turn off and patrol activities can be reduced in the entire building.



Diverse operation management & Data management

Standard for System Controller and System Controller Lite

Schedule management

- Annual schedules can be set for each remote controller group / user defined group.
- Start / stop, operating mode, remote controller prohibition, and temperature settings can be set up to 143 times per day at 10 minute intervals for up to 101 configurations for each remote controller group.
- Settings can be made for periods straddling midnight.
- Allows programming of special settings for holidays, including public holidays, for a complete year.
- Low noise operation of outdoor unit can be scheduled.



Diverse control of indoor unit and outdoor unit

- Indoor unit operation state, operation mode, etc. are displayed
- Indoor unit start / stop and operation mode switching
- Room temperature set point limitation
- Outdoor unit low noise setting

Remote controller prohibition

This prohibits changes to the operation mode, temperature, start/stop, etc.

Error display & E-mail notification

Error is notified with popup message, audible sound and E-mail real time when error occurs. Errors for the past 1 year are logged and can be reviewed later.

Operating & control record

Displays the history of operation status and control.

Data base import/export

Imports/exports registration data, layout data, and image data. Only the administrator can make this setting.

Automatic clock adjustment

The time setting of each controller can be set in batch automatically.

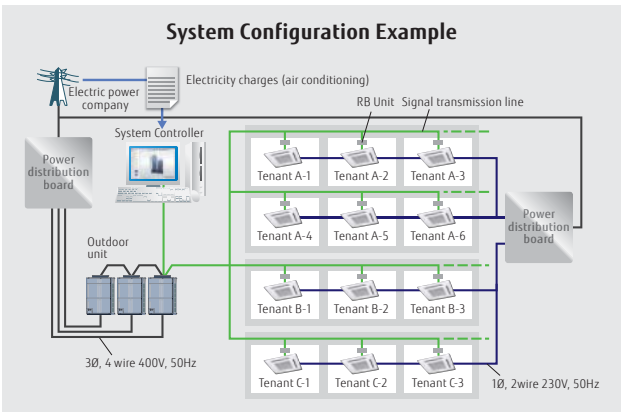
Electricity charge apportionment

Standard for System Controller
Option for System Controller Lite UTY-PLGXA2

Electricity charge apportionment calculation framework

Suppose you want to find the power consumed by the air conditioners of each tenant from the electricity charge for each month. With electricity charge apportionment function, used energy apportionment ratio will be provided, calculating in detail the energy consumed by the units used by each tenant. This information is then used to calculate the charges for the electricity consumed for air conditioning by each tenant from the total electricity charges in the bill from the electric power company. (See figure at right)

The detailed calculation takes into consideration such things as unused rooms and nighttime electricity charges and shows them in a charges calculation sheet.



Features: System Controller/System Controller Light

Remote management

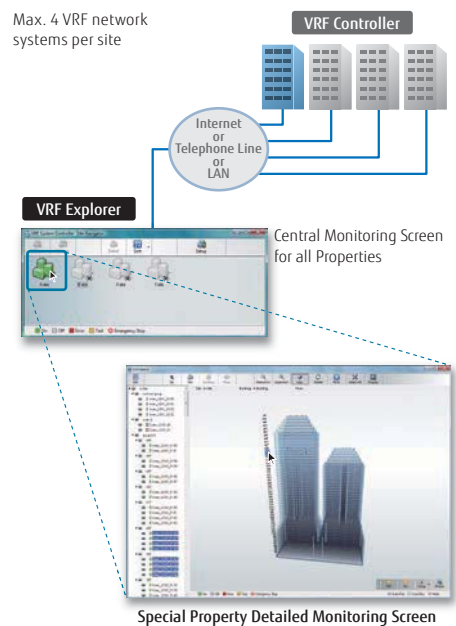
Standard for System Controller

Option for System Controller Lite UTY-PLGXR2

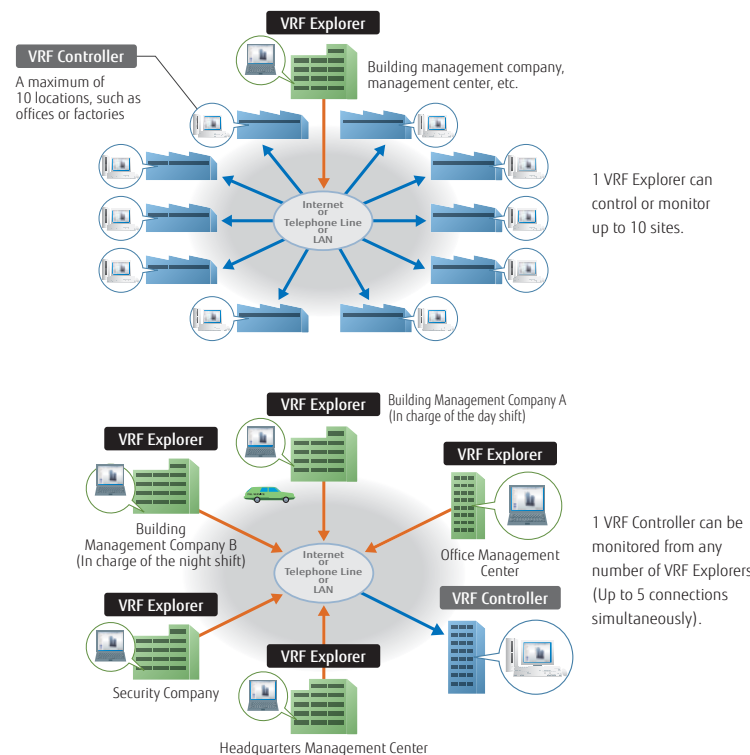
System Controller may be used on site or remotely over various networks for remote central control.
System Controller requires 2 software working together. VRF Controller runs on site and communicate with VRF system.
VRF Explorer runs remotely and provides user interface and communicate with the VRF Controller.
VRF Controller and VRF Explorer program may run in a single PC or in different PCs separated by network.
By using VRF Explorer software, one PC can perform central control of 10 VRF system sites with max. 20 buildings per site.

On site central control

Max. 4 VRF network systems per site



Remote central control



Energy saving management

Option for System Controller UTY-PEGXZ1

Option for System Controller Lite UTY-PLGX2

A variety of energy saving operations can be set and managed depending on the season, weather, and time period. Excellent energy saving operation is performed while keeping users comfortable.



Energy Saving Management Main Screen

Energy saving graph data: This graph compares the electricity consumption with the previous month and previous year to make it easy to analyze the energy saving effect.

Indoor unit rotation operation

The operation of indoor units can be automatically rotated within a group in accordance with the set annual schedule to reduce power consumption while maintaining comfort. The indoor unit operation stoppage rate can be selected.

Peak cut operation

A power meter is connected to detect the total power consumption while shifting the indoor unit set temperature, set the indoor unit forced thermostat off, and taking other measures to carefully control the power consumed while maintaining comfort and conducting control to maintain the target power consumption set for each time. The indoor units to be controlled can be freely grouped and the control level can be set.

Outdoor unit capacity save

Outdoor unit capacity save switches the outdoor unit capability upper limit to suppress power consumption during hot summers and cold winters by averaging the power saving effect of each refrigerant system. You can select from 50% or more of the capacity upper limit.

FUNCTIONS SUMMARY

Function	Type	System controller		System controller lite					
		UTY-APGXZ1	Option UTY-PEGXZ1	UTY-ALGXZ1	Option UTY-PLGXR2	Option UTY-PLGXA2	Option UTY-PLGXE2	Option UTY-PLGXX2	
System specification	Max. VRF networks supported		4	—	1	—	—	—	—
	Max. indoor unit / remote controller groups per VRF network		400	—	400	—	—	—	—
	Max. outdoor units per VRF network		100	—	100	—	—	—	—
	Max. indoor units / remote controller groups per System controller		1600	—	400	—	—	—	—
	Max. outdoor units per System controller		400	—	100	—	—	—	—
Site supervision	Multi site display		10	—	10	—	—	—	—
	Number of building / 1 site		20	—	—	—	—	—	—
	Number of floor per 1 site		200	—	—	—	—	—	—
	Number of floor per 1 building		50	—	—	—	—	—	—
	3D graphical layout view		●	—	—	—	—	—	—
	2D graphical layout view		●	—	—	—	—	—	—
	List display		●	—	●	—	—	—	—
	Tree display		●	—	●	—	—	—	—
	Group display		●	—	●	—	—	—	—
Error management	Error notification		●	—	●	—	—	—	—
	Audible alarm		●	—	●	—	—	—	—
	Error e-mail notification		●	—	●	—	—	—	—
History	Error history		●	—	●	—	—	—	—
	Operation history		●	—	●	—	—	—	—
	Control history		●	—	●	—	—	—	—
Operation control	Individual control	On/Off	●	—	●	—	—	—	—
		Operation mode*	●	—	●	—	—	—	—
		Room temperature	●	—	●	—	—	—	—
		Fan speed	●	—	●	—	—	—	—
		Air flow direction	●	—	●	—	—	—	—
		Economy mode	●	—	●	—	—	—	—
		Room temperature set point limitation	●	—	●	—	—	—	—
		Antifreeze	●	—	●	—	—	—	—
	Individual management	Outdoor unit low noise setting	●	—	●	—	—	—	—
		Remote control prohibition setting	●	—	●	—	—	—	—
		Temperature upper and lower limit setting	●	—	●	—	—	—	—
	Other	Filter sign reset	●	—	●	—	—	—	—
Memory operation		●	—	●	—	—	—	—	
Schedule	Pattern operation		●	—	●	—	—	—	
	Annual Schedule		●	—	●	—	—	—	
	Special day setting		●	—	●	—	—	—	
	On / off per day		72	—	72	—	—	—	
	On / off per week		504	—	504	—	—	—	
	Day off		●	—	●	—	—	—	
	Min. unit of timer setting (Minutes)		10	—	10	—	—	—	
	Low noise mode Weekly schedule		●	—	●	—	—	—	
Remote management	Web Operation		●	—	●	—	—	—	
	Remote monitoring		●	—	—	●	—	—	
	Remote operation control		●	—	—	●	—	—	
	Remote function setting		●	—	—	●	—	—	
Electricity charge apportionment	Apportionment charge/bill calculation		●	—	—	—	●	—	
	Tenant (block) setting		●	—	—	—	●	—	
	Common facilities apportionment setting		●	—	—	—	●	—	
	Rated power consumption allotment setting		●	—	—	—	●	—	
	Individual calculation at cooling and heating		—	●	—	—	●	—	
Energy saving management	Electricity meter supported		—	●	—	—	●	—	
	Indoor unit rotation		—	●	—	—	—	●	
	Peak cut control		—	●	—	—	—	●	
	Outdoor unit capacity save		—	●	—	—	—	●	
	Record of energy saving operation		—	●	—	—	—	●	
	Energy saving information		—	●	—	—	—	●	
	Power consumption monitor		—	●	—	—	—	●	
	Electricity meter supported		—	●	—	—	—	●	
External Device Control	Monitor		●	—	—	—	—	●	
	Control		●	—	—	—	—	●	
Others	Database import/export		—	—	●	—	—	—	
	Automatic clock adjustment		●	—	●	—	—	—	
	Multi language		7 languages	—	7 languages	—	—	—	
	Refrigerant leakage detection function		●	—	●	—	—	—	
	Power shutdown		●	—	●	—	—	—	

●●: Available. - : Not available

Personal computer system requirements

The required PC specifications are shown in the following table.

	System Controller	System Controller Lite
Operating system	• Microsoft® Windows® 7 Home Premium (32-bit or 64-bit) SP1, Windows® 7 Professional (32-bit or 64-bit) SP1 • Microsoft® Windows® 8.1 (32-bit or 64-bit), Windows® 8.1 Pro (32-bit or 64-bit) • Microsoft® Windows® 10 Home (32-bit or 64-bit), Windows® 10 Pro (32-bit or 64-bit) [Supported languages] English, Chinese, French, German, Russian, Spanish, and Polish	
CPU	Intel® Core™ i3 2 GHz or higher	
Memory	• 2 GB or more (for Windows® 7 [32-bit]) • 4 GB or more (for Windows® 7 [64-bit], Windows® 8.1, and Windows® 10)	
HDD	40 GB or more of free space	
Display	1024 x 768 or higher resolution	
Interface	• Ethernet port (for getting access to the Internet using LAN) or Modem (for getting access to the Internet using Public Telephone Line) • USB ports (Maximum of 6 ports) (Required only for the Server PC that works as VRF Controller) - Maximum of 2 USB ports are required for WHITE-USB-KEY/WibuKey connection - Maximum of 4 USB ports are required for Echelon® U10 USB Network Interface * Maximum number of required USB port depends on the applicable system configuration.	• Ethernet port (for getting access to the Internet using LAN) or Modem (for getting access to the Internet using Public Telephone Line) • USB ports (Maximum of 6 ports) (Required only for the Server PC that works as VRF Controller) - Maximum of 4 USB ports are required for WHITE-USB-KEY/WibuKey connection - 1 USB port is required for Echelon® U10 USB Network Interface * The maximum number of required USB port depends on the applicable system configuration.
Graphic accelerator	Microsoft® DirectX® 9.0c compatible	
Software	Adobe® Reader® 9.0 or later	

- Echelon® U10 USB Network Interface – TP/FT-10 Channel (Model number: 75010R) (Required for each VRF Network.)

PACKING LIST

Type	For System controller		For System controller Lite				
	System Controller	Option Energy manager	System Controller Lite	Remote access	Option Electricity charge apportionment	Energy saving	Central Control
Model name	UTY-APGXZ1	UTY-PEGXZ1	UTY-ALGXZ1	UTY-PLGXR2	UTY-PLGXA2	UTY-PLGXE2	UTY-PLGXX2
WHITE-USB-KEY	1	1	1	1	1	1	1

*1: Software protection key to be inserted in a USB slot running System Controller or System Controller Lite.
System Controller or System Controller Lite may only run on a PC with WHITE-USB-KEY. However, WHITE-USB-KEY is not required for remote VRF Explorer software.

BACnet® Gateway

UTY-ABGXZ1 Software



WHITE-USB-KEY
(Software Protection Key)

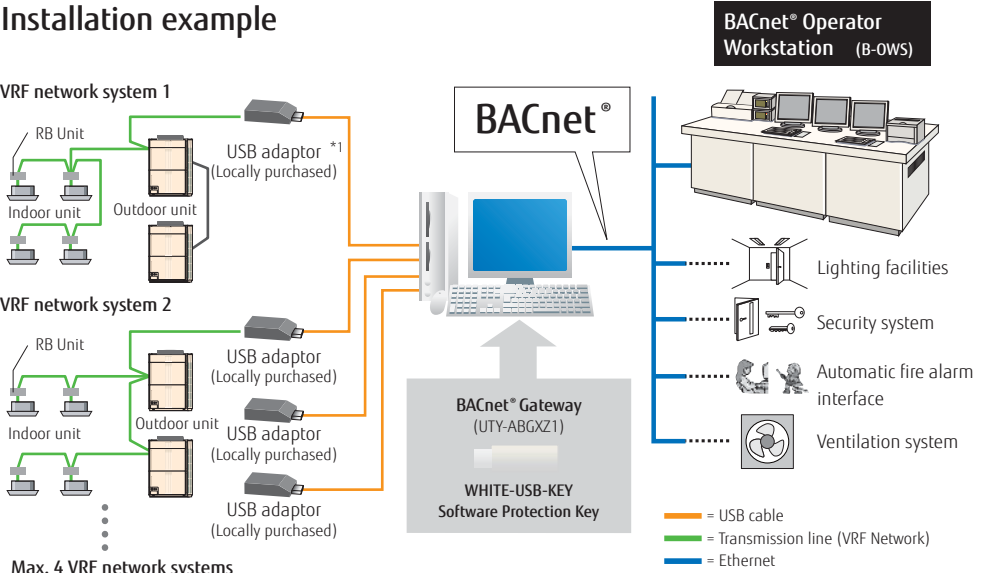


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Max. Controllable
4
VRF network systems
Max. Controllable
400 outdoor units
Max. Controllable
1,600 indoor units

- It is possible to connect medium to large sized BMS to VRF network system via BACnet®, a global standard for open networks.
- A maximum of 1600 indoor units with 4 VRF network systems (a maximum of 400 indoor units & 100 outdoor units for one network system) can be connected to one BACnet® Gateway.
- It is possible to control or monitor VRF network system from BMS via BACnet® Gateway.
- Compatible with BACnet® (ANSI / ASHRAE-135-2014) application specific controller (B-ASC).
- Compatible with BACnet®/IP over Ethernet.
- Scheduling function, Alarm & Event functions as well as Electricity Change Apportionment function are provided in BACnet® Gateway.
- Connection between VRF network system to personal computer is possible via small U10 USB interface. However, both U10 USB interface & personal computer are field supplied items.
- Corresponds to 7 different languages, English, Chinese, French, German, Spanish, Russian, Polish.

Installation example



*1: USB adaptor is U10 USB Network Interface of Echelon® Corporation.

Personal computer system requirements

	UTY-ABGXZ1
Operating system	• Microsoft® Windows® 7 Home Premium (32-bit or 64-bit) SP1, Windows® 7 Professional (32-bit or 64-bit) SP1 • Microsoft® Windows® 8.1 (32-bit or 64-bit), Windows® 8.1 Pro (32-bit or 64-bit) • Microsoft® Windows® 10 Home (32-bit or 64-bit), Windows® 10 Pro (32-bit or 64-bit) [Supported languages] English, Chinese, French, German, Russian, Spanish, and Polish
CPU	Intel® Core™ i3 2 GHz or higher
Memory	• 2 GB or more (for Windows® 7 [32-bit]) • 4 GB or more (for Windows® 7 [64-bit], Windows® 8.1, and Windows® 10)
HDD	40 GB or more of free space
Display	1024 x 768 or higher resolution
Interface	• Ethernet port (for getting access to the Internet using LAN) • USB ports (Maximum of 5 ports) - 1 USB port is required for WHITE-USB-KEY/WibuKey connection - Maximum of 4 USB ports are required for Echelon® U10 USB Network Interface * Maximum number of required USB ports depends on the applicable system configurations.
Software	Adobe® Reader® 9.0 or later

• Echelon® U10 USB Network Interface – TP/FT-10 Channel (Model number: 75010R) (Required for each VRF Network.)

<Packing list>

Name and shape	Quantity	Application
WHITE-USB-KEY	1	Includes the software and manuals, license for BACnet® Gateway.

BACnet® Gateway

UTY-VBGX Hardware



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Max. Controllable
1 VRF network system

Max. Controllable
32 refrigerant system

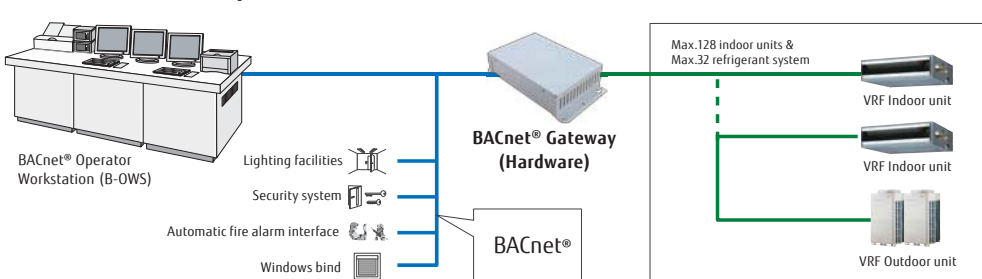
Max. Controllable
128 indoor units

Specifications

Model name	UTY-VBGX
Number of controllable indoor units	128
Number of controllable refrigerant system	32
Number of controllable VRF network	1
Number of connectable units / one VRF network	4

Model name	UTY-VBGX
Power Supply	100-240 V 50/60 Hz, single phase
Power Consumption (W)	4.6 (max.)
Dimensions (H × W × D) (mm)	59.6 × 270.4 × 176
Weight (g)	1,200

Installation example



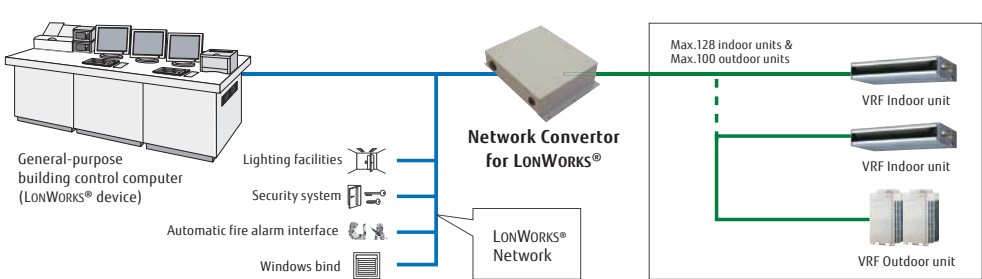
Network Converter for LONWORKS®

UTY-VLGX



- For connection between VRF network system and a **LONWORKS®** open network for management of small to medium-sized BMS and VRF network system.
- The UTY-VLGX permits central monitoring and control of a VRF network system from a BMS through a **LONWORKS®** interface.
- Up to 128 Indoor units can be connected to one Network Converter for **LONWORKS®**

Installation example



Max. Controllable
4 units to BMS

Max. Controllable
100 outdoor units

Max. Controllable
128 indoor units

Specifications

Model name	UTY-VLGX
Power Supply	208-240 V 50/60 Hz, Single phase
Power Consumption (W)	4.5
Dimensions (H × W × D) (mm)	67 × 288 × 211
Weight (g)	1,500

Transmission specifications (BMS side)

Transmission speed	78 kbps
Transceiver	FT-X1 (Echelon® Corporation)
Transmission way form	Free topology
Terminal resistor	None (It attaches at the terminal of a network.)

MODBUS® Convertor for VRF

UTY-VMGX



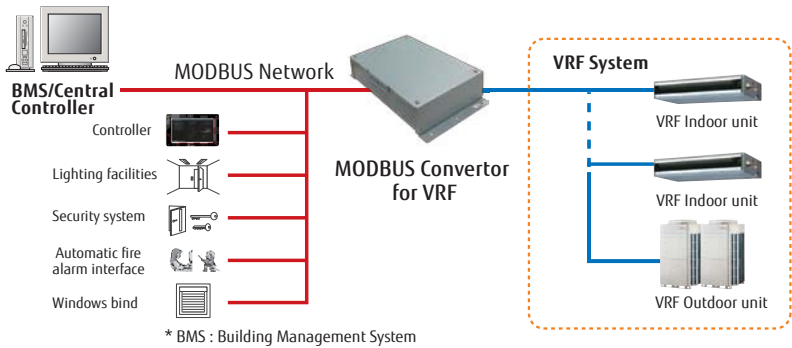
The MODBUS Convertor allows a complete integration of air conditioners into MODBUS Networks.

- Compact and lightweight design
- Direct connection to MODBUS Network
- Up to 128 indoor units can be controlled in one MODBUS Convertor
- The MODBUS Convertor permits central monitoring and control of air conditioners from BMS or Central Controller.
- Up to 9 converters can be connected to a VRF network. The simultaneous controls such as ON/OFF or temperature settings can be done for each zone.
- It is easy to locate the source of error if any connection errors should occur after completion of installation works.

Max. Controllable
9 units to one VRF

Max. Controllable
100 outdoor units

Selectable
128 indoor units



KNX® Convertor for VRF

UTY-VKGX

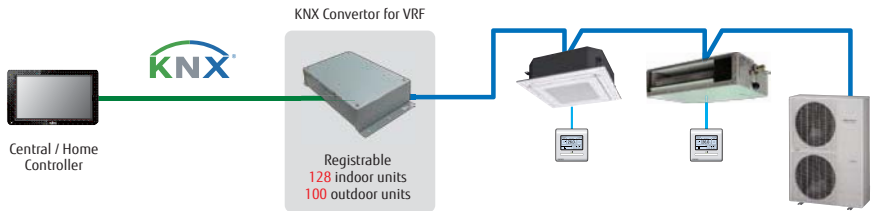


KNX Convertor is useful for centralized control in a system.

- New KNX Convertor enables to connect central/home controller and Fujitsu General VRF system.
- A maximum of 128 indoor units and 100 outdoor units can be connected to single KNX Convertor.

Max. Controllable
100 outdoor units

Selectable
128 indoor units



Specifications

Model name	UTY-VMGX
Power Supply	220-240 V 50/60 Hz
Input power (W)	Max. 2
Dimensions (H × W × D) (mm)	54 × 260 × 150
Weight (g)	1,100

Model name	UTY-VKGX
Power supply	220-240 V 50/60 Hz
Power consumption (W)	1.5
Dimensions (H × W × D) (mm)	54 × 260 × 150
Weight (g)	1,200

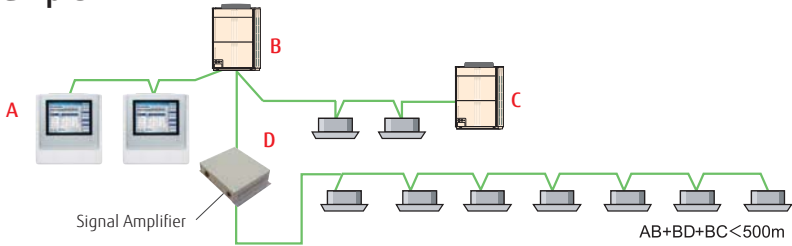
Signal Amplifier

UTY-VSGXZ1



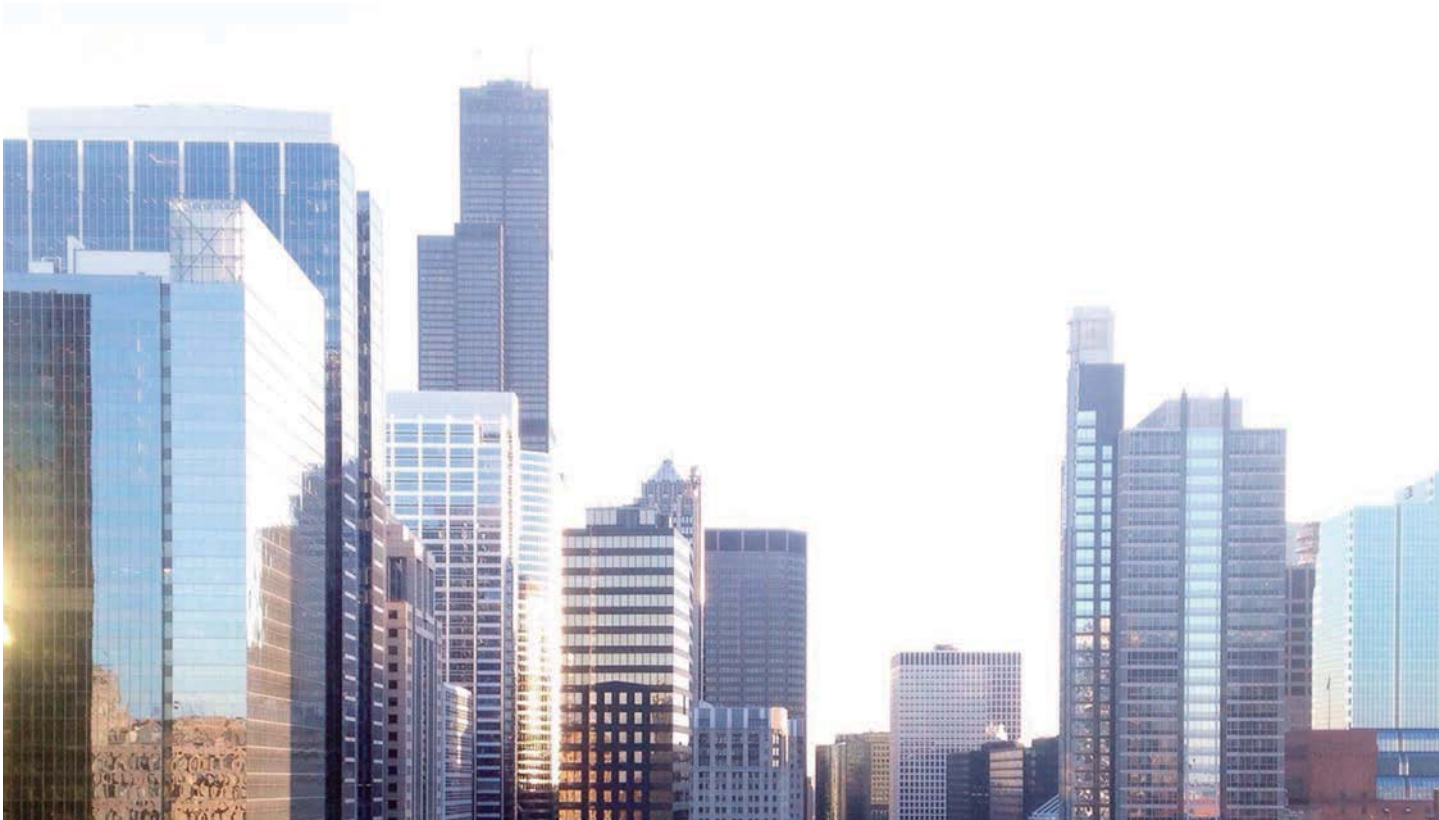
- Transmission Line length can be extended up to 3,600 m with multiple Signal Amplifiers.
- Up to 8 signal amplifiers can be installed in a VRF network system.
- A signal amplifier is required,
 - (1) When the total wiring length of the transmission line exceeds 500 m.
 - (2) When the total number of units on the transmission line exceeds 64.

Installation example



Specifications

Model name	UTY-VSGXZ1
Power Supply	208-240 V 50/60 Hz, Single phase
Power Consumption (W)	4.5
Dimensions (H × W × D) (mm)	67 × 288 × 211
Weight (g)	1,500



Control System List For Split/Multi Split



Type	Refrigerant	Indoor unit																								Indoor unit										Outdoor unit Single Phase	Branch Box (8 Rooms Multi)	Other					
		Wall Mounted												Cassette				Cassette	Duct								Floor	Floor/ Ceiling	Ceiling	Multi Split													
		Flagship Range	Designer Range	Standard Range		ECO Range		Designer Range		Standard Range		ECO Range	4-way Flow Compact		Circular Flow		4-way Flow	Mini	Slim		Medium Static Pressure (Compact & Comfort)		Medium Static Pressure (Standard)		High Static Pressure					Big	Compact Cassette	Mini Duct	Slim Duct	Floor Ceiling	5-6 Rooms Multi								
		R32	ASVG 12KXCA	ASVG 07/09/12/14 KGTB	ASVG 07/09/12/14 KMTB	ASVG 18/24KMTA	ASVG 07/09/12 KPCA	ASVG 18/24KLCA						AUXG 09/12/14/ 18/22/24 KVL A		AUXG 18/22/24/ 30/36/45/ 54KRLB		AUYG 30/36/LRL E, AUYG 36/45/54 LRLA	AUYG 12/14/18 LVLB, AUYG24/LVLA			ARXG 09/12/14/18 KLLAP			ARXG 12/14/18/ 22/24/30/ 36/45/54 KHTAP					ARXG 22/24/30/ 36/45KMLA		ARXG 45/54KHTA			ARYG 72/90LHTA	ACYG 09/12/14 LVCA			ABYG 18LVTB, ABYG 24LYTA	ABYG 30/36LRT E, ABYG 36/45/54 LRTA	AUYG 07/09/LVLA	ARYG 07/09/LSLAP	ARYG 07/09/LLTA
R410A								ASVG 09/12/LTCA	ASVG 07/09/12/14 LUCA	ASVG 07/09/12/14 LMCE	ASVG 18/30/LFCA, ASVG24/LFCC	ASVG 30/36/LMTA	ASVG 07/09/12 LLCE		AUYG 12/14/18 LVLB, AUYG24/LVLA		AUXG 18/24/30/ 36/45/54 LRLB			AUYG 30/36/LRL E, AUYG 36/45/54 LRLA			ARXG 12/14/18 LSLAP		ARXG 12/14/18 LLTB		ARYG 12/14/18/ 24/30/36/ 45/54 LHTBP		ARYG 24/36/45 LMLA, ARYG 30/36/LMLE		ARXG 45/54/60 LHTA		ARYG 72/90LHTA		ACYG 09/12/14 LVCA	ABYG 18LVTB, ABYG 24LYTA	ABYG 30/36LRT E, ABYG 36/45/54 LRTA	AUYG 07/09/LVLA	ARYG 07/09/LSLAP	ARYG 07/09/LLTA	ABYG 14LYTA	ADYG 36/LBLAS, ADYG 45/LBLA6	UTP- PY03A UTP- PY02A
Controllers	Wired Remote Controller																																										
Simple Remote Controller																																											
Central Remote Controller																																											
Wireless Remote Controller																																											
IR Receiver Unit with Wireless Remote Controller																																											
Interface	MODBUS Convertor																																										
	MODBUS Interface																																										
	KNX Convertor																																										
	KNX Interface																																										
	Wireless LAN Interface																																										
External Switch Controller																																											
Network Converter for Single Split																																											

Control System List For VRF



Type	Refrigerant	Indoor unit																						
		Cassette				Duct										Floor		Ceiling/ Floor	Ceiling	Wall Mounted				
		3D Flow	Compact Grid type / Standard type	Circular Flow (Slim)	Circular Flow (Large)	Mini (With drain pump)	Slim (With drain pump)		Medium Static Pressure	High Static Pressure		Large Airflow Duct (Compact)	Large Airflow Duct (Large)		—	EEV external	—			EEV external	—			
		R410A	AUXS 018/024 GLEH	AUXB 004/007/009/ 012/014/018/ 024GLEH	AUXN 009/012/014 GLAH, AUXM 018/024/030 GLEH	AUXK 018/024/030/ 034/036/045/ 054GLEH	ARXK 004/007/009/ 012/014/018/ 024GLEH	ARXD 04GALH	ARXD 007/009/012/ 014/018/024 GLEH	ARXA 024/030/036/ 045GLEH	ARXC 45/60GATH	ARXC 036/072/090/ 096GTEH	ARXN 009/012/014/ 018/024/030 GLBH	ARXN 18/24/30/ 34/36/45 GATH	AGYA 004/007/ 009/012/014 GCEH	AGYE 004/007/ 009/012/014 GCEH	ABYA 012/014/018/ 024GTEH	ABYA 030/036/045/ 054GTEH	ASYA 004/007/009 GTEH	ASYE 004/007/009 GTEH	ASYA 012/014GCEH	ASYE 012/014GCEH	ASYA 18/24GBCH	ASYA 030/034GTEH
Controllers	Wired Remote Controller		● UTY-RNRYZ3 ● UTY-RNRYZ3																					
			● UTY-RLRY ● UTY-RLRY																					
Simple Remote Controller	 2-wire type 3-wire type	● UTY-RSRY UTY-RHRY					● UTY-RSRY, UTY-RHRY, UTY-RSKY, UTY-RHKY	● UTY-RSRY UTY-RHRY	● UTY-RSRY, UTY-RHRY, UTY-RSKY, UTY-RHKY	● UTY-RSRY UTY-RHRY	● UTY-RSRY, UTY-RHRY, UTY-RSKY, UTY-RHKY	● UTY-RSRY, UTY-RHRY					● UTY-RSRY, UTY-RHRY, UTY-RSKY, UTY-RHKY		● UTY-RSRY, UTY-RHRY, UTY-RSKY, UTY-RHKY	● UTY-RSRY UTY-RHRY				
Wireless Remote Controller		● UTY-LNHY ● UTY-LNHY																						
Group Remote Controller		● UTY-CGGY + UTY-VGGXZ1 ● UTY-CGGY + UTY-VGGXZ1																						
Central Remote Controller		● UTY-DCGYZ1 ● UTY-DCGYZ1																						
Touch Panel Controller		● UTY-DTGYZ1 ● UTY-DTGYZ1																						
System Controller, System Controller Lite		● UTY-APGXZ1, UTY-ALGXZ1 ● UTY-APGXZ1, UTY-ALGXZ1																						
Interface	BACnet Gateway		● UTY-ABGXZ1, UTY-VBGX ● UTY-ABGXZ1, UTY-VBGX																					
	Network Convertor for LonWorks		● UTY-VLGX ● UTY-VLGX																					
	MODBUS Convertor		● UTY-VMSX ● UTY-VMSX																					
	MODBUS Convertor		● UTY-VMGX ● UTY-VMGX																					
	KNX Convertor		● UTY-VKSX ● UTY-VKSX																					
	KNX Convertor		● UTY-VKGX ● UTY-VKGX																					
Wireless LAN Interface		● UTY-TFSXZ1		● UTY-TFSXZ1										● UTY-TFSXZ1				● UTY-TFSXZ1				● UTY-TFSXZ1		
External Switch Controller		● UTY-TERX ● UTY-TERX																						
Network Convertor for Single split	 DC Power Supply Type AC Power Supply Type	● UTY-VTGX UTY-VTGXV ● UTY-VTGX UTY-VTGXV																						

Optional Parts Overview

For Split & Multi Split, VRF

Various optional parts are provided to install the selected indoor unit properly according to the environment.

Optional Parts For Cassette



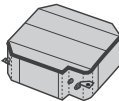
Human Sensor Kit
The room temperature can be controlled by detecting the temperature accurately from the built-in sensor



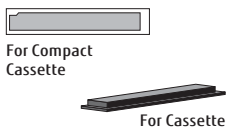
Cassette Grille
Cassette grille lineup matching the various interior is available. In addition, grid ceiling type cassette grille is also added to the lineup.



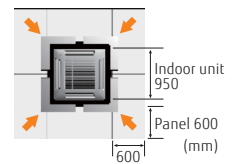
Fresh Air Intake Kit
Fresh air can be taken in by a fan which can be connected using external control unit.



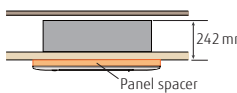
Insulation for High Humidity
For Compact Cassette type/ Cassette type
Insulation for High Humidity is used when the installation location is in the high humidity environment.



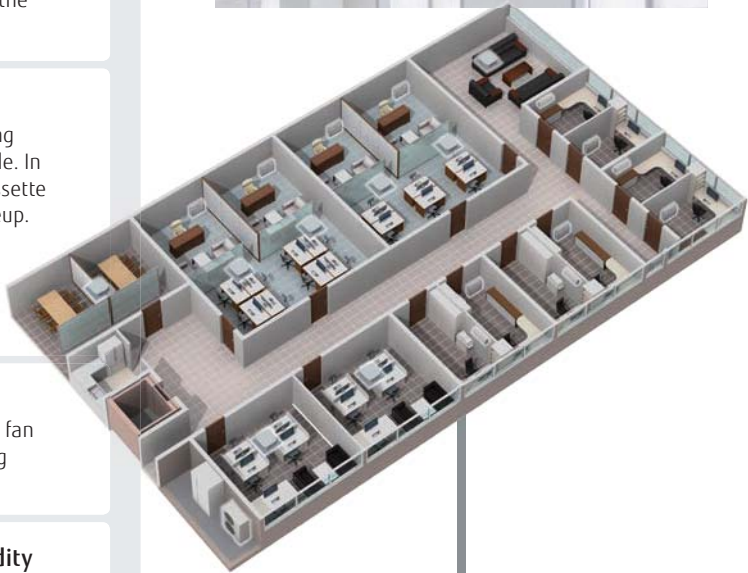
Air Outlet Shutter Plate
According to the installation site, the number of outlet directions can be changed to 3 directions by Air Outlet Shutter Plate.



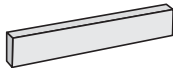
Wide Panel
When the cassette type is installed at the narrow space above ceiling, the space can be filled in by Wide Panel.



Panel Spacer
When the space above the ceiling is low and the main body is projected out of the ceiling surface, Panel Spacer can be used as decoration



Optional Parts For Floor



Half Concealed Kit
This kit is used to half conceal floor type indoor unit into the wall.



Optional Parts For Duct & Ceiling



Auto Louver Grille Kit
Simple flat Auto louver will provide comfort airflow and harmonize with luxury Interior



Remote Sensor Unit
New amenity space can be offered by installing the Remote sensor.



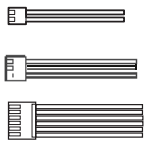
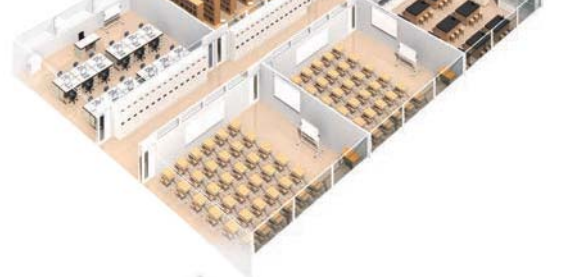
Long Life Filter
Grit and dust can be caught sufficiently. In consideration of running cost, long-life design is achieved.



Flange
Flange is used for Medium Static Pressure Duct type and Ceiling type to connect between pipes.



Drain Pump Unit
This device can drain the collected water during operation.



External Connect Kit & Set
These wires can connect between the product PCB and external device.



Connection Units
Connection units are provided to separate the pipes at the connection of multiple indoor units in Multi type or VRF system.



External Power Supply Unit
External Power Supply Unit can protect the units in the system even if some powers of indoor units are shut down in the system.



Communication Kit
For wall mounted type, this kit is required when External Connect kit & Set or wired remote controller is connected to indoor unit.



External Input and Output PCB
For Wall mounted, Duct, or Cassette type, these parts are required when external input and output function is used.



For Duct and Cassette type



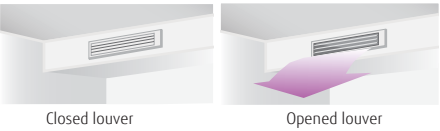
External Input and Output PCB Box & Bracket
These are the box and bracket for installing the External input and output PCB

Auto Louver Grille Kit

UTD-GXTA-W / UTD-GXTB-W / UTD-GXTC-W

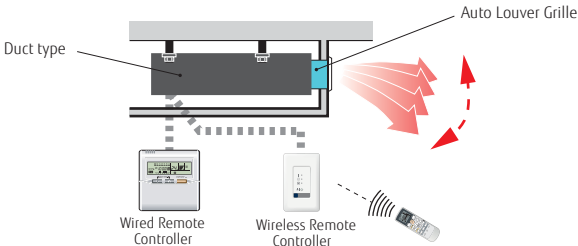


Simple flat Auto Louver will provide comfort airflow and harmonize with luxury interior.

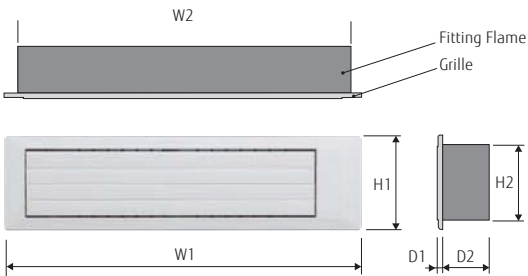


Flexible Control

- **Operation with indoor unit**
Auto Louver can be operated by synchronizing remote controller of indoor unit.
- **UP and Down auto swing**
 - Auto airflow direction and auto swing
 - 4 steps selectable
- **Auto-closing louver**
When operation of indoor unit is stopped, the louver will automatically close.



Dimensions



Model Name	W1	W2	H1	H2	D1	D2
UTD-GXTA-W	683	645				
UTD-GXTB-W	883	845	180	148	9	84
UTD-GXTC-W	1,083	1,045				

Unit:mm

Specifications

Model name			UTD-GXTA-W	UTD-GXTB-W	UTD-GXTC-W
Applicable Indoor Unit			ARYG07/09LLTA ARYG12/14LLTB ARXD007/009/012/014GLEH (For VRF) ARXK004/007/009/012/014GLEH (For VRF) ARXD04GALH (For VRF)	ARYG18LLTB ARXD018GLEH (For VRF) ARXK018GLEH (For VRF)	ARXD024GLEH (For VRF) ARXK024GLEH (For VRF)
Power Supply			Connecting with Control box of indoor unit		
Fixing of Auto Louver Grille			Screw fixing to Flange or Square Duct		
Extension Square Duct Limit			1.0m (Max. duct length between indoor unit and Grille)		
Net Dimension (H × W × D)		mm	180×683×(84+9)	180×883×(84+9)	180×1083×(84+9)
Weight	Net	kg	2.0 (4.4)	2.5 (5.6)	3.0 (6.7)
	Gross	(lbs)	3.0 (6.7)	3.5 (7.8)	4.0 (8.9)
Color			White		
Louver Motor			Stepping Motor		
Accessories			Fitting Flame, etc.		
Operation range	Cooling	°C	18 to 32		
		% RH	80% or less		
	Heating	°C	16 to 30		

External Power Supply Unit

UTZ-GXXA

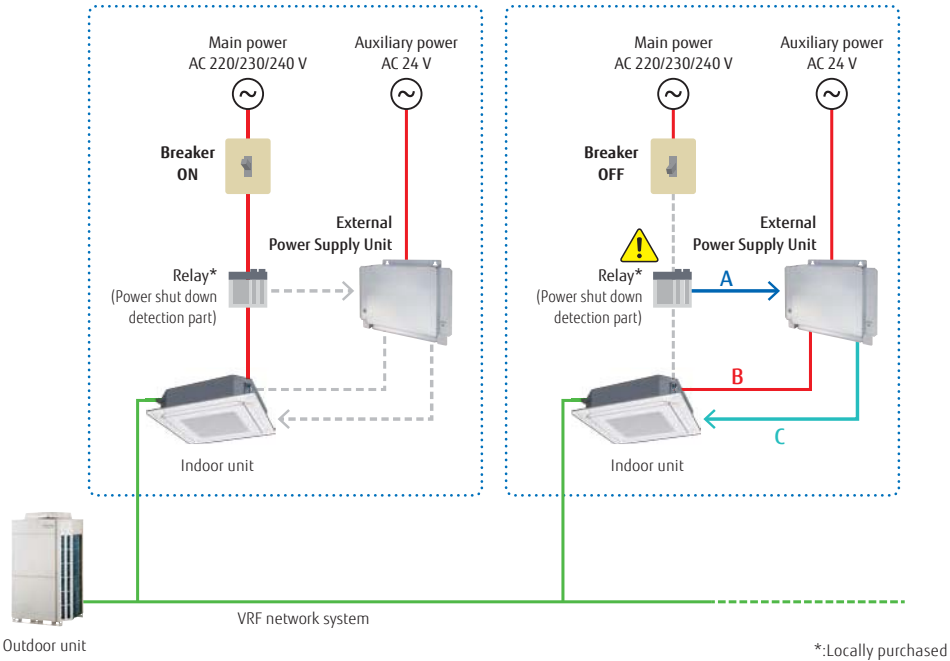


External Power Supply Unit can protect the units in the system even if some powers of indoor units are shut down in the system.

Power is supplied to the indoor unit from auxiliary power by connecting to External Power Supply Unit. This makes it possible to operate continuously without system error.

High Reliability

- A: Main power shut down can be detected at power shut down detection part.
- B: The power for indoor unit expansion valve drive, etc. is supplied. (DC 12V, 5V)
- C: Power supply from External Power Supply Unit is notified.



Note

- When changing the power supply voltage to AC24V, use a power transformer with an insulation structure equivalent to CLASS 2.
- Indoor units that are powered off and driven by an External Power Supply Unit are handled in the same manner as operation off units in the electricity charge apportionment function. Since standby power may be charged to them, the electricity charge apportionment result for them may not be 0.

Specifications

Model name	UTZ-GXXA
Power Supply	AC 24 V 50/60 Hz, single phase
Dimensions (H × W × D) (mm)	65 × 186 × 178
Weight (g)	500

Optional Parts List For Split/Multi Split

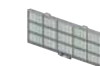


Type	Refrigerant	Indoor unit																
		Cassette			Duct						Floor	Ceiling	Wall Mounted		Multi Split			
	4-way Flow Compact	Circular Flow	4-way Flow	Mini	Slim	Medium Static Pressure (Compact & Comfort)	Medium Static Pressure (Standard)	High Static Pressure	Big	4-way flow Compact Cassette					Mini Duct	Slim Duct	Floor Ceiling	
	R32	AUXG 09/12/14/18/22/24 KVLA	AUXG 18/22/24/30/36/45/54 KRLB			ARXG 09/12/14/18 KLLAP	ARXG 12/14/18/22/24/30/36/45/54 KHTAP	ARXG 22/24/30/36/45 KMLA	ARXG45/54KHTA			ASYG07/09/12KPCA		AUYG07KVLA	ARYG07/09/12KSLAP	ARYG07KLLAP		
R410A	AUYG12/14/18LVLB, AUYG24LVLA	AUXG 18/24/30/36/45/54 LRLB	AUYG30/36LRLE, AUYG36/45/54LRLA	ARYG12/14/18LSLAP	ARYG12/14/18LLTB	ARYG 12/14/18/24/30/36/45/54 LHTBP	ARYG24/36/45LMLA, ARYG30/36LMLE	ARYG45/54/60LHTA	ARYG72/90LHTA	AGYG09/12/14LVCA	ABYG30/36LRTE, ABYG36/45/54LRTA		ASYG07/09/12LLCE	AUYG07/09LVLA	ARYG07/09LSLAP	ARYG07/09LLTA	ABYG14LVTA	
Human Sensor Kit																		
Remote Sensor Unit	 New amenity space can be offered by installing the Remote sensor.																	
Cassette Grille	 UTG-UFYF-W UTG-UFYD-W UTG-UGYA-W UTG-UKYA-W UTG-UKYC-W UTG-UKYA-B																	
Auto Louver Grille Kit																		
Long Life Filter																		
Flange																		
Drain Pump Unit																		
Wide Panel																		
Panel Spacer																		
Fresh Air Intake Kit	 For Compact Cassette For Cassette																	
Air Outlet Shutter Plate	 For Compact Cassette For Cassette																	
Insulation for High Humidity	 For Compact Cassette type/ Cassette type																	
Half Concealed Kit	 This kit is used to half conceal floor type indoor unit into the wall.																	
Remote Controller Holder																		

• There are no optional parts for Floor/Ceiling type.

Optional Parts List For VRF



Type	Refrigerant	Indoor unit																					
		Cassette				Duct										Floor		Indoor unit		Wall Mounted			
		3D Flow	Compact Grid type / Standard type	Circular Flow (Slim)	Circular Flow (Large)	Mini (With drain pump)	Slim (With drain pump)		Medium Static Pressure	High Static Pressure		Large Airflow Duct (Compact)	Large Airflow Duct (Large)	—	EEV external	—	EEV external			—	—		
	R410A	AUXS 018/024GLEH	AUXB 004/007/009/012/014/018/024GLEH	AUXN 009/012/014GLAH, AUXM 018/024/030GLEH	AUXK 018/024/030/034/036/045/054GLEH	ARXK 004/007/009/012/014/018/024GLEH	ARXD 04GALH	ARXD 007/009/012/014/018/024GLEH	ARXA 024/030/036/045GLEH	ARXC 45/60GATH	ARXC 036/072/090/096GTEH	ARXN 009/012/014/018/024/030GLBH	ARXN 18/24/30/34/36/45GATH	ACYA 004/007/009/012/014GCEH	ACYE 004/007/009/012/014GCEH	ABYA 012/014/018/024GTEH	ABYA 030/036/045/054GTEH	ASVA 004/007/009GTEH, ASVA 012/014GCEH	ASVE 004/007/009GTEH, ASVE 012/014GCEH	ASVA 18/24GBCH	ASVA 030/034GTEH		
IR Receiver Unit		● UTY-TRHX		● UTY-LBHXD		● UTY-TRHX	● UTB-YWC	● UTY-TRHX		● UTB-YWC	● UTY-TRHX		● UTB-YWC										
Human Sensor Kit				● UTY-SHZXC																			
Remote Sensor Unit	 New amenity space can be offered by installing the Remote sensor.					● UTY-XSZX								● UTY-XSZX									
Cassette Grille	 UTG-USYA-W UTG-UFYE-W UTG-UFYC-W UTG-UKYC-W UTG-UKYA-B	● UTG-USYA-W	● UTG-UFYE-W UTG-UFYC-W	● UTG-UKYC-W UTG-UKYA-B																			
Auto Louver Grille Kit						● UTD-GXTA-W, UTD-GXTB-W (18), UTD-GXTC-W (24)						● UTD-GXTC-W (009/012/014)											
Long Life Filter									● UTD-LF25NA	● UTD-LF60KA (45/60/036)			● UTD-LF25NA(018) UTD-LFNA(024/030)										
Flange									● UTD-SF045T UTD-RF204				● UTD-SF045T(018) UTD-RF204(018)				● UTD-RF204						
Drain Pump Unit									● UTZ-PX1NBA				● UTZ-PX1NBA(018)				● UTR-DPB24T						
Wide Panel	 Indoor unit 1160 Panel (600 mm)			● UTG-AKXA-W																			
Panel Spacer	 242 mm Panel spacer			● UTG-BKXA-W																			
Fresh Air Intake Kit*1	 For Compact Cassette		● UTZ-VXAA	● UTZ-VXRA																			
Air Outlet Shutter Plate	 For Compact Cassette For Cassette		● UTR-YDZB	● UTR-YDZK																			
Insulation for High Humidity	 For Compact Cassette type/ Cassette type		● UTZ-KXGC	● UTZ-KXRA																			
Half Concealed Kit	 This kit is used to half conceal floor type indoor unit into the wall.														● UTR-STA								
External Power Supply Unit		● UTZ-GXXA						● UTZ-GXXA			● UTZ-GXXA			● UTZ-GXXA							● UTZ-GXXA		

[illegible]

●: Dry Contact ○: Apply Voltage

Communication Kit		External input and output PCB		External input and output PCB Box		External input and output PCB Bracket
UTY-TWBXF2	UTY-XCBXZ2	UTY-XCSXZ2 for Wall Mounted type	UTY-XCSX for Duct and Cassette type	UTZ-GXXB	UTZ-GXRA	UTZ-GXNA
UTY-TWRX	UTY-XWNX					

External Connect Kit

For Indoor Unit		
UTY-XWZX	UTY-XWZX5	UTY-XWZXZG

For Outdoor Unit		
UTY-XW7XZ2	UTY-XW7XZ3	UTY-XW7XZ4

For Indoor unit

UTD-FCS5A

Function List For VRF



External Input and Output Function/External Connect Kit

Type	Refrigerant	Indoor unit										Indoor unit				Outdoor unit						Controller		Other										
		Cassette			Duct						Floor		Wall Mounted				J-III-L	J-III	J-II-S	V-III	V-III Tropical	VR-II	Central Remote Controller	Touch Panel Controller	RB Unit									
		3D Flow	Compact Grid type / Standard type	Circular Flow	Mini (With drain pump)	Slim (With drain pump)	Medium Static Pressure	High Static Pressure	Large Airflow Duct (Compact)	Large Airflow Duct (Large)	—	EEV external	Floor / Ceiling		—	EEV external										—								
	R410A	AUXS 018/024 GLEH	AUXB 004/007/009/012/014/018/024GLEH	AUXN 009/012/014 GLAH, AUXM 018/024/030 GLEH, AUXK 018/024/030/034/036/045/054GLEH	ARXK 004/007/009/012/014/018/024GLEH	ARXD 007/009/012/014/018/024 GLEH, ARXD 04GALH	ARXA 024/030/036/045GLEH	ARXC 036/072/090/096GTEH, ARXC 45/60GATH	ARXN 009/012/014/018/024/030 GLBH	ARXN 18/24/30/34/36/45 GATH	AGYA 004/007/009/012/014 GCEH	AGYE 004/007/009/012/014 GCEH	ABYA 012/014/018/024GTEH	ABYA 030/036/045/054GTEH	ASYA 004/007/009 GTEH, ASYA 012/014GCEH	ASYE 004/007/009 GTEH, ASYE 012/014GCEH	ASYA 18/24GBCH	ASYA 030/034GTEH	AJY 072/090/108/126/144/162 LELAH	AJY 040/045/054 LBLAH, AJY 040/045/054 LELAH	AJY 040/045/054 LCLAH	AJY 072/090/108/126/144/162 LNLBH	AJY 072/090/108/126/144/162 LALBH	AJY A72/A90/108/126/144 GALH	UTY-DCGYZ1	UTY-DTGYZ1	UTP-RX01AH UTP-RX01BH UTP-RX01CH UTP-RX04BH							
Input	Operation / Stop		● UTY-XWZXZD ○ UTY-XWZXZB																		● UTY-XWZXZD ○ UTY-XWZXZB													
	All On / All Off																								●UTY-XWZXZ7 ○UTY-XWZXZB	●*2 ○*2								
	Batch Stop																		● UTY-XWZXZ6															
	Forced Stop		● UTY-XWZXZD ○ UTY-XWZXZB																		● UTY-XWZXZD ○ UTY-XWZXZB													
	Emergency Stop		● UTY-XWZXZD ○ UTY-XWZXZB																		● UTY-XWZXZD ○ UTY-XWZXZB				● UTY-XWZXZ6				●UTY-XWZXZ7 ○UTY-XWZXZB	●*2 ○*2				
	Forced Thermostat off		● UTY-XWZXZE ○ UTY-XWZXZ7																		● UTY-XWZXZE ○ UTY-XWZXZ7													
	Low Noise Mode Operation																		● UTY-XWZXZ6															
	Cooling/ Heating Priority																		● UTY-XWZXZ6						●UTY-XWZXZ6 ○UTY-XWZXZB									
	Outdoor Unit Operation Peak Control																		● UTY-XWZXZ6															
Power Usage Information from Electricity Meter																		● UTY-XWZXZF					●*2 ○*2											
Indoor	Operation Status		● UTY-XWZXZC																		● UTY-XWZXZC				○ UTY-XWZXZ6				○UTY-XWZXZA	○UTY-XWZXZA				
	Error Status		● UTY-XWZXZC																		● UTY-XWZXZC				○ UTY-XWZXZ6				○UTY-XWZXZA	○UTY-XWZXZA				
	Indoor Unit Fun Operation Status		● UTY-XWZXZC																		● UTY-XWZXZC													
	Auxiliary Heater Output					● UTY-XWZXZC																												
	Base Heater																		● UTY-XWZXZ9		● UTY-XWZXZ9													

*2: Touch Panel Controller has these functions for Dry contact and Apply voltage, however, above External Connect Kit is not necessary because Touch Panel Controller has an external input terminal block. ●: Dry Contact ○: Apply Voltage

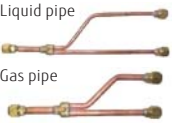
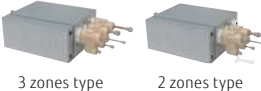
Communication system

External Connect Kit				
For Indoor unit		For Outdoor unit		For RB unit
UTY-XWZXZ7		UTY-XWZXZD		UTY-XWZXZ6
UTY-XWZXZB		UTY-XWZXZE		UTY-XWZXZ9
UTY-XWZXZC				UTY-XWZXZF
				For Central Remote Controller
				UTY-XWZXZ7
				UTY-XWZXZ8
				UTY-XWZXZA
				For Touch Panel Controller
				UTY-XWZXZA

Separation Tube etc.

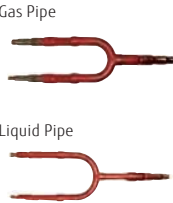
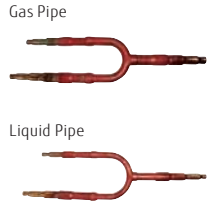
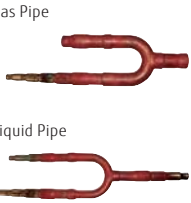
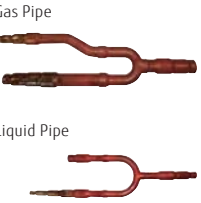
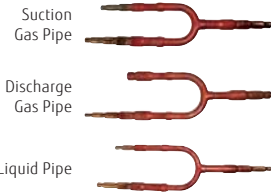
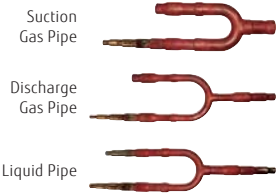
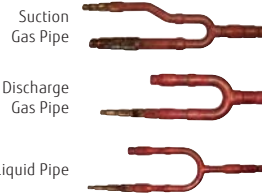


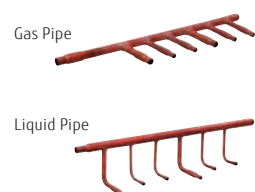
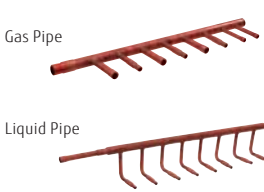
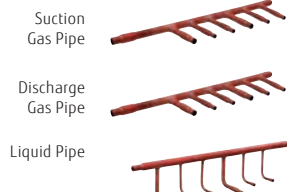
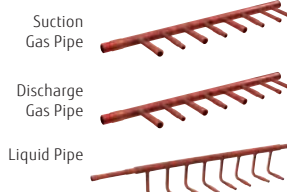
For SPLIT/MULTI SPLIT/SIMULTANEOUS MULTI

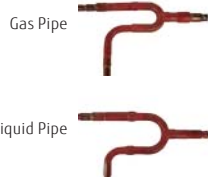
Separation Tube			Branch Box
UTP-SX236A / UTP-SX254A For 3-phase Simultaneous Multi UTP-SX272A For Simultaneous Multi Twin / Triple / Double Twin 	UTP-SX354A For 3-phase Simultaneous Multi UTP-SX372A For Simultaneous Multi Twin / Triple / Double Twin 	UTP-SX248A For 8 Rooms Multi 	UTP-PY03A UTP-PY02A For 8 Rooms Multi 



For VRF

Separation Tube			
UTP-AX054A 	UTP-AX090A 	UTP-AX180A 	UTP-AX567A 
UTP-BX090A 	UTP-BX180A 	UTP-BX567A 	UTP-LX180A For DX-Kit 

Header			
UTR-H0906L / UTR-H1806L 	UTR-H0908L / UTR-H1808L 	UTP-J0906A / UTP-J1806A 	UTP-J0908A / UTP-J1808A 

Outdoor Unit Branch Kit	
UTP-CX567A 	UTP-DX567A 



For VRF

EV Kit	RB Unit	
Model code ≤ 09 : UTR-EV09XB Model code ≥ 12 : UTR-EV14XB For Compact Wall Mounted type 	UTP-RX01AH / UTP-RX01BH / UTP-RX01CH Single type 	UTP-RX04BH Multi type 

Specifications

Separation Tube

Model name	UTP-AX054A	UTP-AX090A	UTP-AX180A	UTP-AX567A
Total cooling capacity of indoor unit (kW)	19.6 or less	28.0 or less	28.1 to 56.0	56.1 or more
Model name	UTP-BX090A		UTP-BX180A	UTP-BX567A
Total cooling capacity of indoor unit (kW)	28.0 or less		28.1 to 56.0	56.1 or more

Header

Model name	3-6 Branches	UTR-H0906L	UTR-H1806L
	3-8 Branches	UTR-H0908L	UTR-H1808L
Total cooling capacity of indoor unit (kW)	28.0 or less		28.1 to 56.0
Model name	3-6 Branches	UTP-J0906A	UTP-J1806A
	3-8 Branches	UTP-J0908A	UTP-J1808A
Total cooling capacity of indoor unit (kW)	28.0 or less		28.1 to 56.0

Outdoor unit Branch kit

Model name	UTP-CX567A (for V-III/V-III Tropical)		UTP-DX567A (for VR-II)	
Number of outdoor unit	2 outdoor units	1		
	3 outdoor units	2		

EV Kit

Model name	UTR-EV09XB		UTR-EV14XB	
Application model	ASYE004GTEH ASYE007GTEH ASYE009GTEH	AGYE004GTEH AGYE007GTEH AGYE009GTEH	ASYE012GCEH ASYE014GCEH	AGYE012GCEH AGYE014GCEH

RB Unit

Type		Single type			Multi type
Model name		UTP-RX01AH	UTP-RX01BH	UTP-RX01CH	UTP-RX04BH
Power source	V/Ø/Hz	230/ 1 / 50			
Input power	W	17	24	31	96
Number of branches		1	1	1	4
Maximum capacity of connectable indoor units (Q)	kW	Q ≤ 8.0	Q ≤ 18.0	Q ≤ 28.0	Q ≤ 56.1*1
Maximum capacity of connectable indoor units per branch (Q)	kW	Q ≤ 8.0	Q ≤ 18.0	Q ≤ 28.0	Q ≤ 18.0
Maximum number of connectable indoor units per branch		3	8	8	8
Dimensions (H×W×D)	mm	198×298×268			260×658×428

*1: In case of two RB units connected in series (total 8-branches), maximum capacity of connectable indoor units is up to 56.0 kW.