

CONTROL SYSTEM



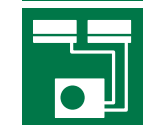
SPLIT
For Light Commercial



SPLIT
For Residential



SIMULTANEOUS MULTI
For Light Commercial



MULTI SPLIT
For Residential



SMALL VRF
For Light Commercial

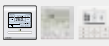


LARGE VRF
For Commercial

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-RNRYZ2, UTY-RLRY, UTY-RVNYM	UTY-CGGY	UTY-DCGY	UTY-DTGYZ1	UTY-APGXZ1, UTY-ALGXZ1	UTY-VLGX	UTY-VMSX, UTY-VMGX	UTY-VKGX, UTY-VKSX
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-RNRYZ2, UTY-RLRY, UTY-RVNYM	UTY-RSRY, UTY-RHRY, UTY-RSNYM	UTY-LNHY	UTY-CGGY	UTY-DCGY	UTY-DTGYZ1	UTY-APGXZ1, UTY-ALGXZ1	UTY-ABGXZ1, UTY-VBGX	UTY-VLGX	UTY-VMSX, UTY-VMGX	UTY-VKGX, UTY-VKSX	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-RNRYZ2, UTY-RLRY	UTY-RSRY, UTY-RHRY, UTY-RSNYM	UTY-LNHY	UTY-CGGY	UTY-DCGY	UTY-DTGYZ1	UTY-APGXZ1, UTY-ALGXZ1	UTY-ABGXZ1, UTY-VBGX	UTY-VLGX	UTY-VMSX, UTY-VMGX	UTY-VKGX, UTY-VKSX	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												●



LIGHT COMMERCIAL/COMMERCIAL

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

For Light Commercial
• Small VRF
• Simultaneous Multi

For Commercial
• Large VRF

Air Conditioning Individual Control



NEW
Wired Remote Controller
(Touch panel)
UTY-RNRYZ2



Wired Remote Controller
UTY-RLRY



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



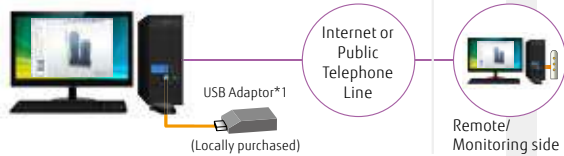
Wireless Remote Controller
UTY-LNHY



IR Receiver Unit
UTB-YWC For Duct type
UTY-LRHYB1 For Cassette type

For Duct For Cassette

Air Conditioning Centralized Control



NEW
System Controller **Software**
UTY-APGXZ1/UTY-ALGXZ1 (Lite edition)
Max. Controllable **1600*** indoor units



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



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



Group Remote Controller
UTY-CGGY
Max. Controllable **8** Remote Controller Groups



Network Converter
UTY-VGGXZ1

Internet or Public Telephone Line

USB Adaptor*1 (Locally purchased)

Remote/Monitoring side

*: Lite edition is max. controllable 400 indoor units

Convertor/Adaptor For external device



NEW
BACnet® Gateway
UTY-ABGXZ1 **Software**
UTY-VBGX **Hardware**



Network Converter
(BMS/LONWORKS®)
UTY-VLGX



MODBUS® Convertor
UTY-VMGX



MODBUS® Interface
FJ-RC-MBS-1



NEW
KNX® Convertor For VRF
UTY-VKGX



NEW
KNX® Convertor For indoor unit
UTY-VKSX



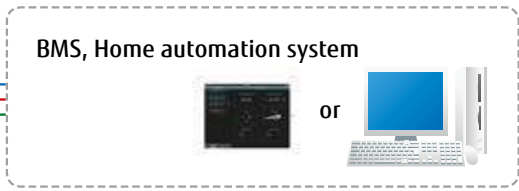
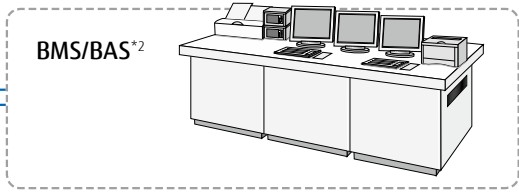
KNX® Interface
FJ-RC-KNX-1i



Wireless LAN Interface
FJ-RC-WIFI-1



NEW
External Switch Controller
UTY-TERX



*1. USB Adaptor: Echelon® U10 USB Network Interface
*2. BMS/BAS: Building Management System/Building Automation System

Convertor/Adaptor For system expansion



Network Converter
for single split
UTY-VTGX



Single split



Network Converter
(AC power supply)
UTY-VTGXV



Single split



Network Converter
for Group Remote Controller
UTY-VGGXZ1



Signal Amplifier
for single split
UTY-VSGXZ1

222

223

RESIDENTIAL

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.

For Single Split



For 2-8 Rooms Multi Split



Air Conditioning Individual Control



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

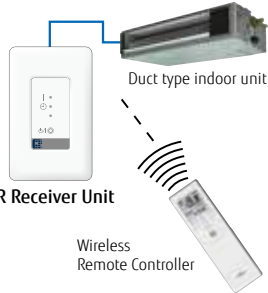


Wireless Remote Controller
Simple and sophisticated operations with a choice of 4 daily timers



Simple Remote Controller
Compact remote controller provides access to basic functions

For Duct type



For Cassette type



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



Convertor/Adaptor For external device

MODBUS® Convertor
For indoor unit
UTY-VMSX



MODBUS® Interface
FJ-RC-MBS-1



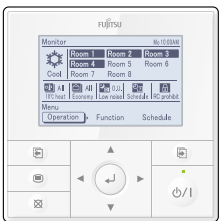
NEW
KNX® Convertor
For indoor unit
UTY-VKXS



KNX® Interface
FJ-RC-KNX-1i



Air Conditioning Centralized Control



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

Online Control (Adopting Wireless LAN Interface)

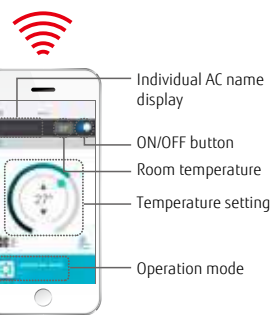
By using our Wireless LAN Interface and FGLair app, you can control your home's cooling and heating anytime and anywhere.



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



User friendly app
User friendly screen display facilitates easy operation.



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	Central Remote Controller (For 8 rooms Multi)	Group Remote Controller	Central Remote Controller	Touch Panel Controller	System Controller Lite (Software)	System Controller (Software)
Model name		UTY-RNRYZ2	UTY-RLRY	UTY-RVNYM	UTY-RSNYM	UTY-RSRY	UTY-RHRY	UTY-LNHY	UTY-DMMYM	UTY-CGGY	UTY-DCGY	UTY-DTGYZ1	UTY-ALGXZ1	UTY-APGXZ1
Max. controllable remote controller groups		1	1	1	1	1	1	1	1	8	100	400	400	1600
Max. controllable indoor units		16	16	16	16	16	16	16	8	128	100	400	400	1600
Max. controllable groups		—	—	—	—	—	—	—	—	—	16	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	●	—	—	—	—	—	—	—	—	—	●	—	—
	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	●	●	●	●	●	●	—	●	●	●	●	●	●
	Cooling/heating priority	●	●	—	●	●	●	—	—	●	●	●	●	●
	Address display	●	●	●	●	●	●	—	—	●	●	●	●	●
	Room temp	●	—	●	—	●	●	—	—	—	—	—	—	—
	Multi language	●	—	●	—	—	—	—	●	—	●	●	●	●
	Summer time	●	—	●	—	—	—	—	●	—	●	●	●	●
	Name registration	●	—	—	—	—	—	—	—	—	●	●	●	●
	Backlight	●	—	●	●	●	●	—	●	—	●	●	—	—
	2D floor layout / 3D building display	—	—	—	—	—	—	—	—	—	—	—	—	●
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	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		—	—	—	—	—	—	●	—	—	●	—	—

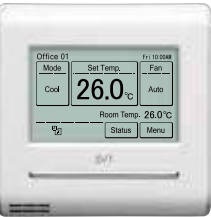
*1 "Operation mode" setting is not available for this model. *2 This function is available only through external input control. ●: Supported ○: Optional function —: Not supported yet



NEW Wired Remote Controller (Touch Panel)



UTY-RNRYZ2



Max. Controllable
16 indoor units

Features

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

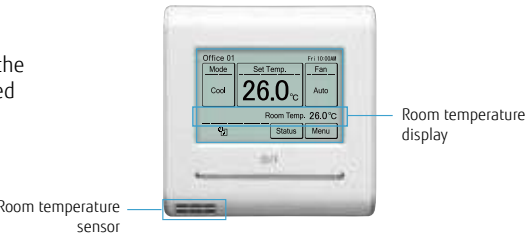
High performance and compact size

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 remote controller.

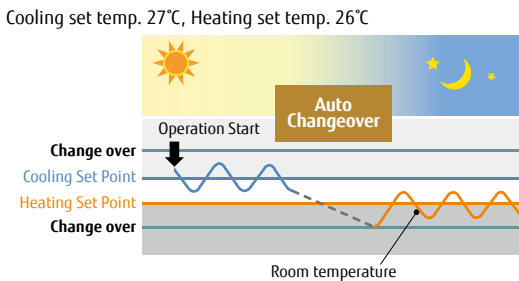


Various energy saving control

Custom Auto

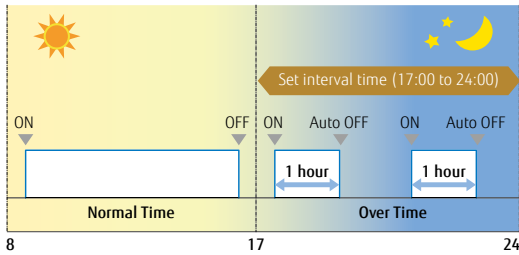
- Maintains 2 separate set points for heating and cooling.
- Automatically changes mode between heating and cooling.

* This function is not available for some models.



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-RNRYZ2
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-RVNYM



Max. Controllable
16 indoor units

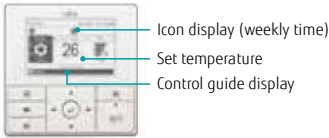
Features

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

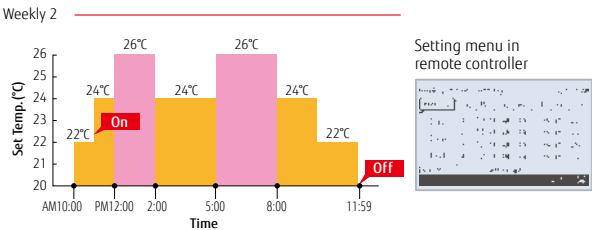
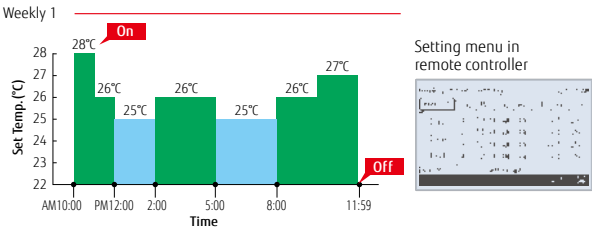
- In addition to the individual control, various energy saving controls can be realized using only one remote controller.



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-RLRY



Features

- 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

Max. Controllable
16 indoor units

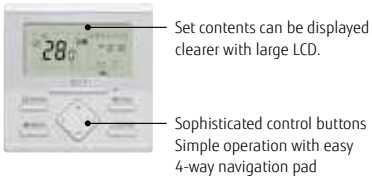
High performance and compact size

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

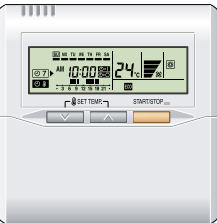
- "Mode", "Set Temp", and "Fan" are displayed at large size on the top screen.
- Each function to be set is indicated by an icon.
- Control guide is displayed and operation is simple and straightforward.



Wired Remote Controller



UTY-RNKY



Features

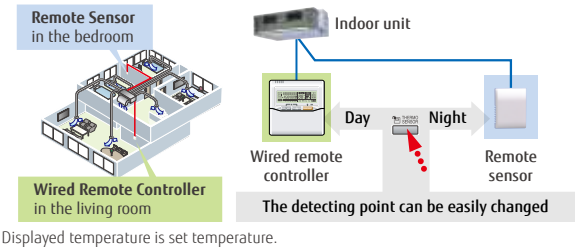
- Simple operation with Built-in Weekly / Daily Timer.
- Control up to 16 indoor units.
- Up to 2 wired remote controllers can be connected to a single indoor unit.

Max. Controllable
16 indoor units

Accurate and comfortable

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

Specifications

Model name	UTY-RLRY	UTY-RNKY
Power Source	DC 12 V	DC 12V
Dimensions (H × W × D) (mm)	120 × 120 × 17	120 x 120 x 18
Weight (g)	170	160

DC12 V is supplied by the indoor unit.

Simple Remote Controller for VRF



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



Features

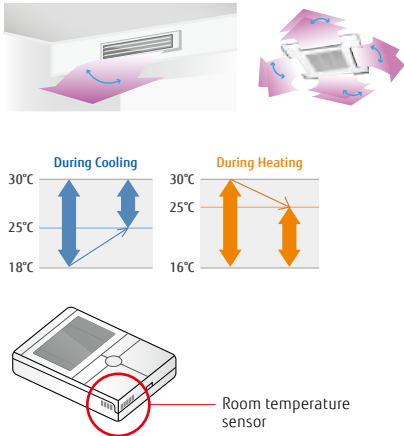
Compact remote controller provides access to basic functions

- 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

Corresponding to various applications

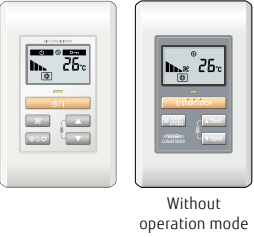
- **Vertical louver control:** Vertical air flow direction can be adjusted for Duct types with auto louver and Cassette types, which are installed in hotels and conference rooms, can be adjusted.
- **Room temperature set point limitation:** The Simple Remote Controller can manage to energy saving operation 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 for SPLIT & MULTI SPLIT



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



Features

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

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

DC12 V is supplied by the indoor unit.

Wireless Remote Controller



UTY-LNHY



Features

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

Max. Controllable
16 indoor units
Selectable
4 daily timers

IR Receiver Unit



UTB-YWC
for VRF



UTY-LRHYM
for Split



UTY-LBTYM
for Split



Features

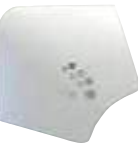
Necessary to control for all Duct types* by Wireless Remote Controller

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

IR Receiver Unit



UTY-LRHYB1
for VRF



UTY-LRHYA2
for Split



UTY-LBTYC
for Split



Features

Cassette type indoor unit can be controlled with Wireless Remote Controller

Specifications

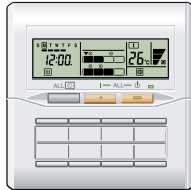
Model name	UTY-LNHY	UTB-YWC/UTY-LRHYM/UTY-LBTYM	UTY-LRHYB1/UTY-LRHYA2/UTY-LBTYC
Battery	1.5 V (R03 / LR03 / AAA) × 2	DC 5 V	DC 5 V
Dimensions (H × W × D) (mm)	170 × 56 × 19	145 × 90 × 30	193.9 × 193.9 × 31.2
Weight (g)	85	150	140

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
64 group R.C. in a VRF network system

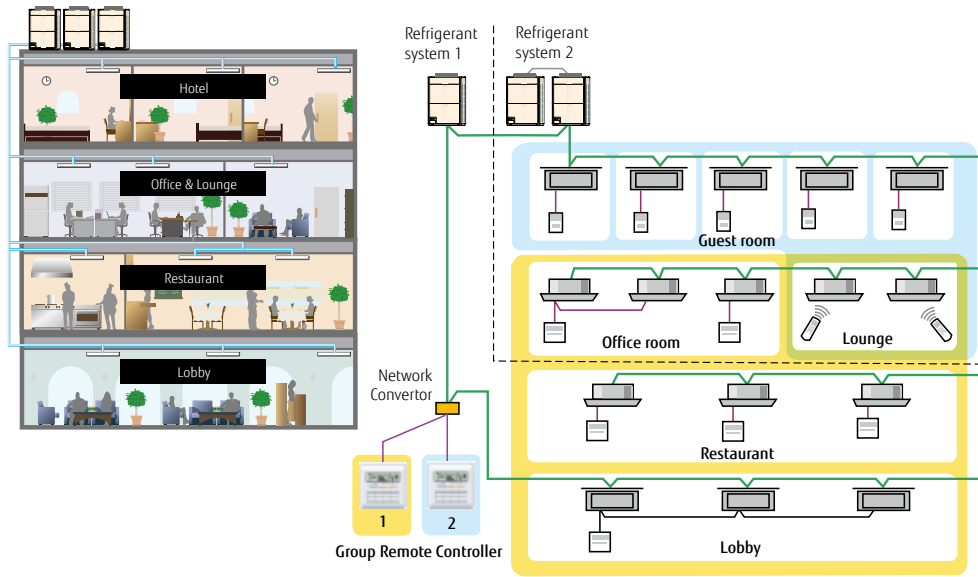
Features

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-DCGY



Max. Controllable
100 indoor units

Max. Controllable
16 groups

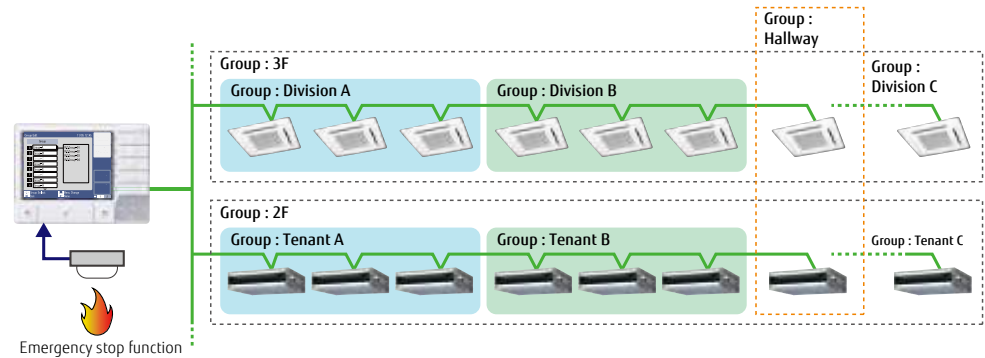
Features

For small- and medium-sized buildings and tenants

- Individual control and monitor of 100 indoor units
- 5 inch TFT color screen
- High visibility and easy operation
- External input / output contact
- Detachable power supply unit
- Corresponds to 7 different languages like English, Chinese, French, German, Spanish, Russian, Polish.

System overview

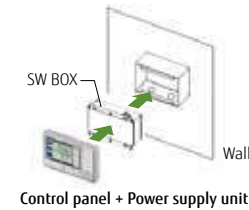
- It allows multiple indoor units grouping (Max.16 groups controlled)
- Interlock with external device



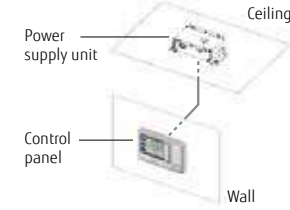
Easy Installation

- The control panel and power supply unit can be installed separately.
- For flexibility in installation, the Control panel can be built into the wall or fix on the wall.

Setting pattern 1



Setting pattern 2



Functions

- Diverse control of indoor units
- Weekly timer
- Automatic clock adjustment
- Error history

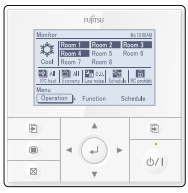
Specifications

Model name	UTY-DCGY	
	Control Panel	Power Supply Unit
Power Supply	DC 5 V	100-240 V, 50-60 Hz, Single phase
Dimensions (H × W × D) (mm)	120 × 162 × 25.7	99 × 135 × 39.2
Weight (g)	308	355
<PACKING LIST>		
Packing List	Control Panel / Power Supply Unit / Connecting cable, etc.	

Central Remote Controller for 5-6 Rooms Multi, 8 Rooms Multi



UTY-DMMYM



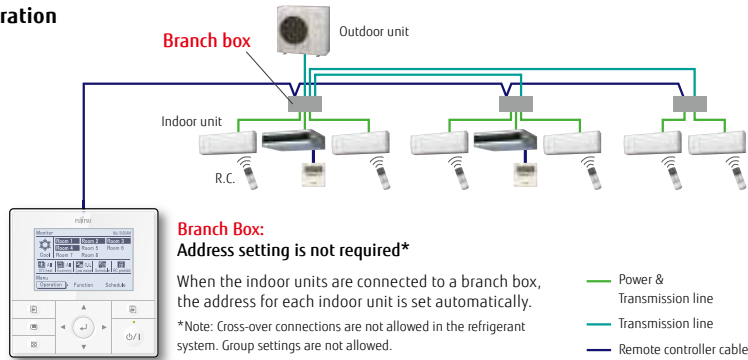
Max. Controllable
1 multi system

Max. Controllable
8 indoor units

Features

- 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

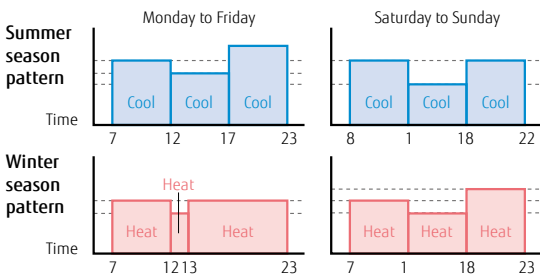
System configuration



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

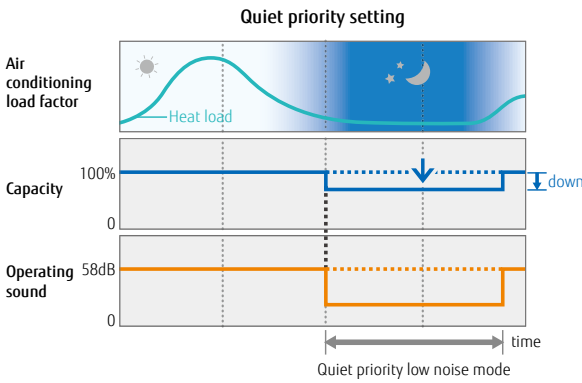
When you leave, minimum heating operation is performed to maintain the room temperature (maintain at 10°C).

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.

NEW

Touch Panel Controller

UTY-DTGYZ1



Features

- 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

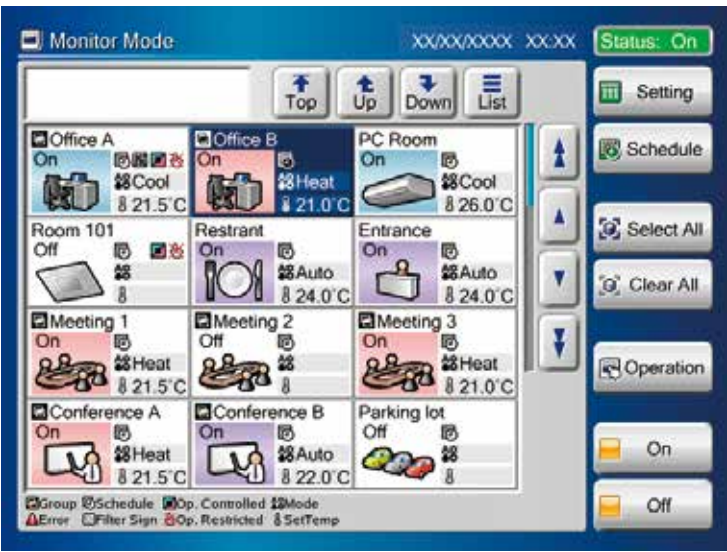
Max. Controllable
400 indoor units

Max. Controllable
100 outdoor units

Max. Controllable
400 groups

Control & monitoring from anywhere

- 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.



Easy maintenance

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

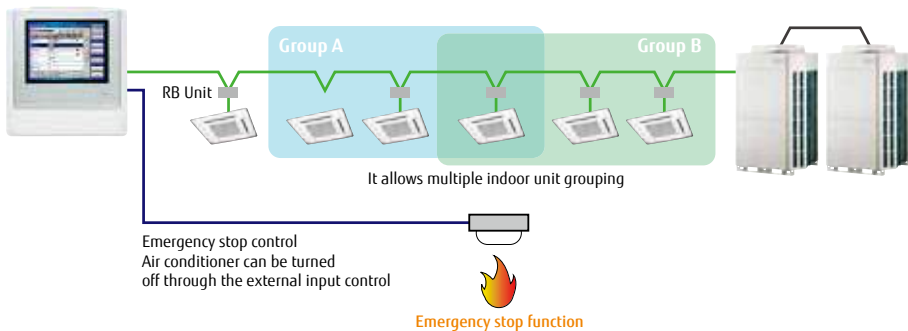


Easy installation

- 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

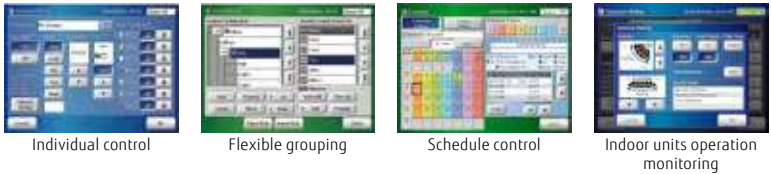
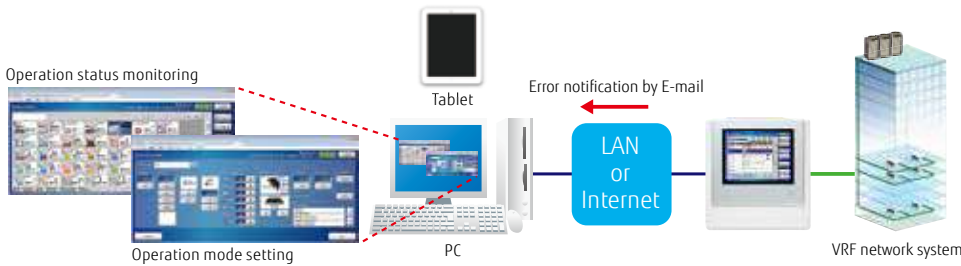


Up to 400 indoor units can be controlled



Control & monitoring from anywhere

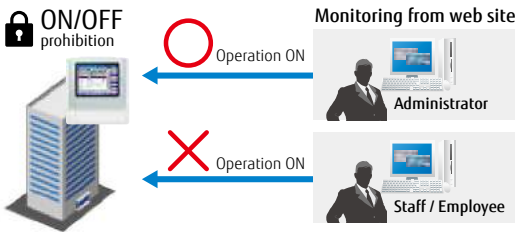
- Control and monitor Fujitsu's air conditioner via LAN or Internet.
- Allow user or tenant to manage only assigned equipment by their PC or tablet from anywhere.
- Error contents are notified automatically by E-mail at error occurrence to handle the trouble promptly.



Not only operations but also detail settings such as schedule or group settings can be operated from remote locations.

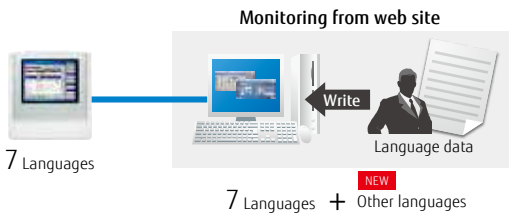
Flexible access permission for Point each level user.

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



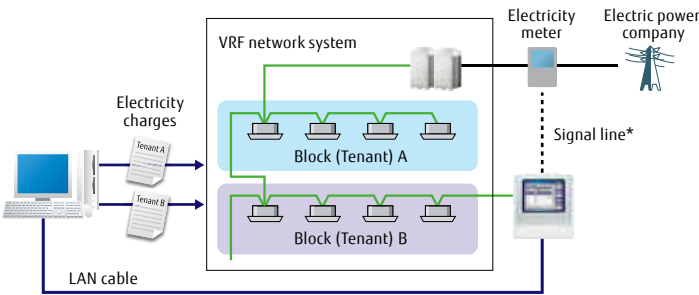
Additional languages function

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.



*: 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.

Specifications

Model name	UTY-DTGYZ1
Power Supply	100-240 V 50/60 Hz, Single phase
Dimensions (H × W × D) (mm)	260 × 246 × 54
Weight (g)	2,150
Interface	Transmission/LAN/USB/EXT IN/EXT OUT/Reset SW

NEW System Controller

UTY-APGXZ1 Software

Features

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)



NEW System Controller Lite

UTY-ALGXZ1 Software

Features

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 .

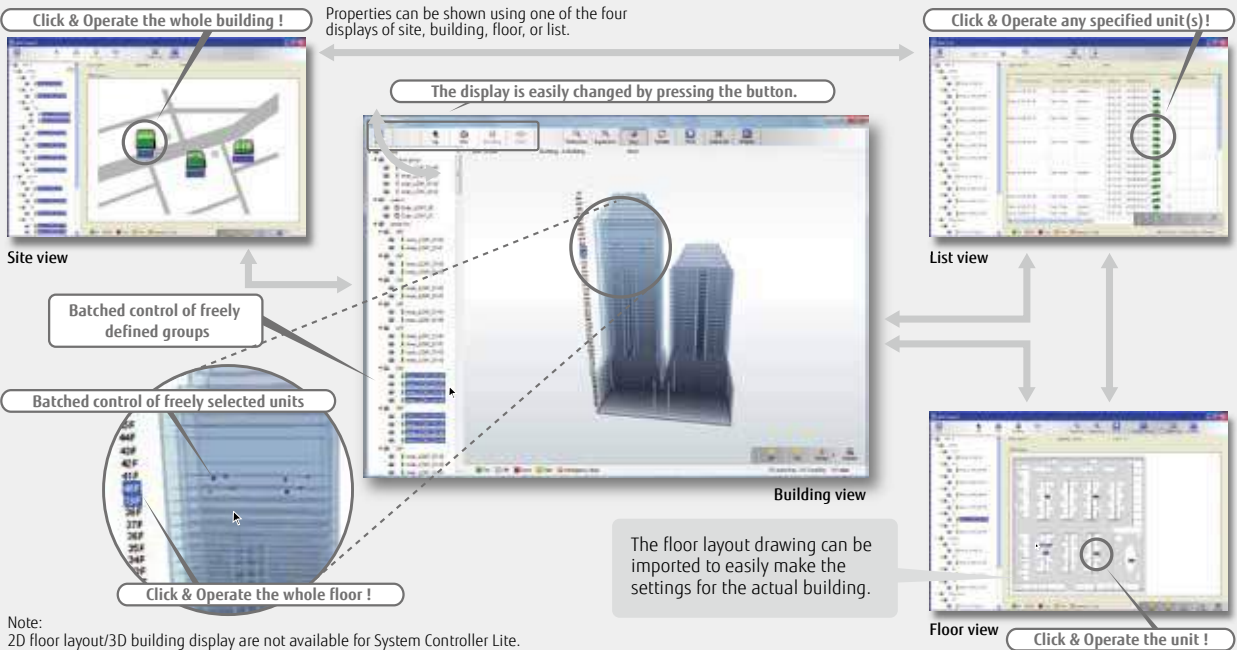
- Up to a maximum of 1 VRF network system, 400 indoor units, and 100 outdoor units can be controlled.
- In addition to air conditioning precision control function, a variety of management software is available as an option to give customers a wide range of choice.
- Corresponds to 7 different languages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

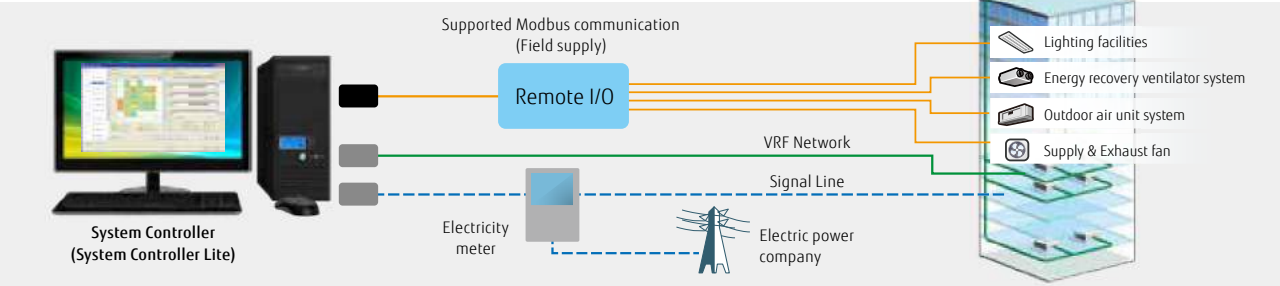


Features: System Controller/System Controller Light

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

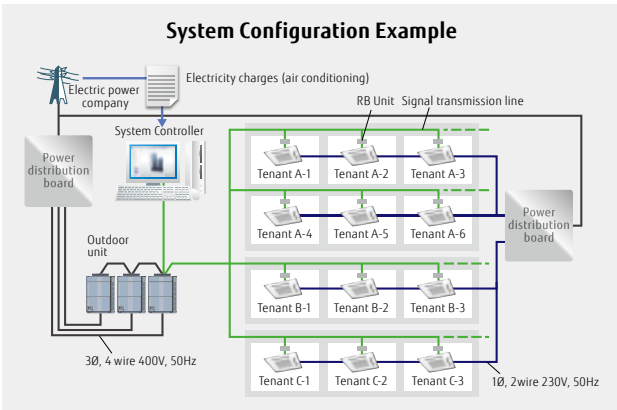
The time setting of each controller can be set in batch automatically.

Electricity charge apportionment

Standard for System Controller
Option for System Controller Lite UTY-PLGXA1

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.



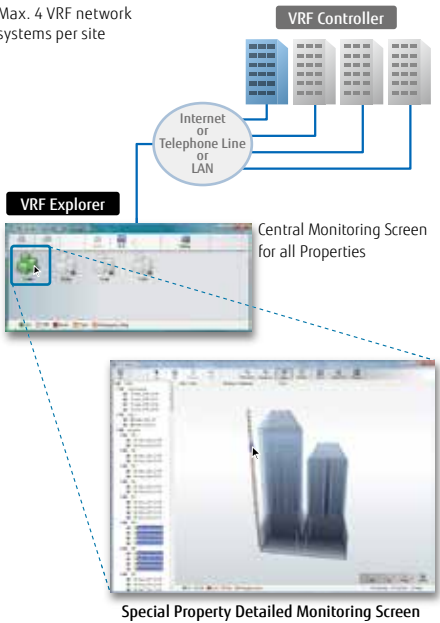
Features: System Controller/System Controller Light

Remote management

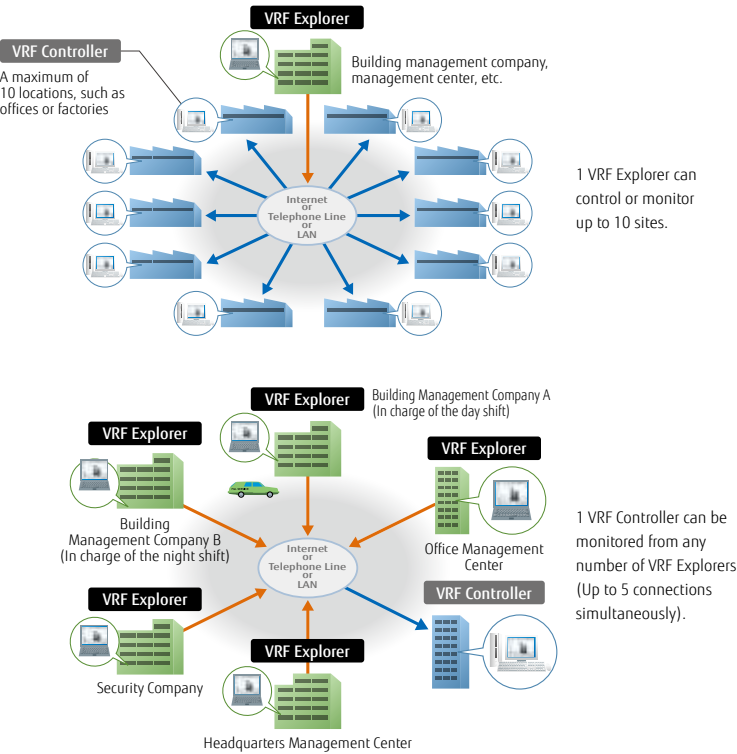
- Standard for System Controller
- Option for System Controller Lite UTY-PLGXRI

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



Remote central control



Energy saving management

- Option for System Controller UTY-PEGX
- Option for System Controller Lite UTY-PLGXE1

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 System controller	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	●	—	●	—	—	—	—
Error management	Error notification	●	—	●	—	—	—	—
	audible alarm	●	—	●	—	—	—	—
	Error e-mail notification	●	—	●	—	—	—	—
History	Error history	●	—	●	—	—	—	—
	Operation history	●	—	●	—	—	—	—
Operation control	Individual control	On/Off	—	●	—	—	—	—
		Operation mode	—	●	—	—	—	—
		Room temperature	—	●	—	—	—	—
		Fan speed	—	●	—	—	—	—
		Air flow direction	—	●	—	—	—	—
		Economy mode	—	●	—	—	—	—
		Room temperature set point limitation	—	●	—	—	—	—
		Test operation	—	●	—	—	—	—
		Antifreeze	—	●	—	—	—	—
		Outdoor unit low noise setting	—	●	—	—	—	—
	Individual management	Remote control prohibition setting	—	●	—	—	—	—
		Temperature upper and lower limit setting	—	●	—	—	—	—
		Filter sign reset	—	●	—	—	—	—
	Other	Memory operation	—	●	—	—	—	—
		Pattern operation	—	●	—	—	—	—
Schedule	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	—	—	—	—
Remote management	Low noise mode Weekly schedule	—	—	●	—	—	—	—
	Remote monitoring	—	—	—	●	—	—	—
	Remote operation control	—	—	—	●	—	—	—
	Remote function setting	—	—	—	●	—	—	—
Electricity charge apportionment	Web Remote Controller	—	—	—	●	—	—	—
	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	—	●	—	—	—	●	—
External Device Control	Power consumption monitor	—	●	—	—	—	●	—
	Electricity meter supported	—	●	—	—	—	●	—
Others	Monitor	—	●	—	—	—	—	●
	Control	—	●	—	—	—	—	●
Others	Database import/export	—	—	●	—	—	—	—
	Automatic clock adjustment	—	—	—	—	—	—	—
	Multi language	7 languages	—	7 languages	—	—	—	—

●●: Available. -: Not available. *: Power calculation application software is necessary, please contact the local FGL representative.

Personal computer system requirements

	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 Vista® and 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	

- Personal computer that satisfies the following system requirements
- 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	Electricity charge apportionment	Energy saving	Central Control
Model name	UTY-APGXZ1	UTY-PEGXZ1	UTY-ALGXZ1	UTY-PLGXR1	UTY-PLGXA1	UTY-PLGXE1	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.

NEW

BACnet® Gateway

UTY-ABGXZ1



Features

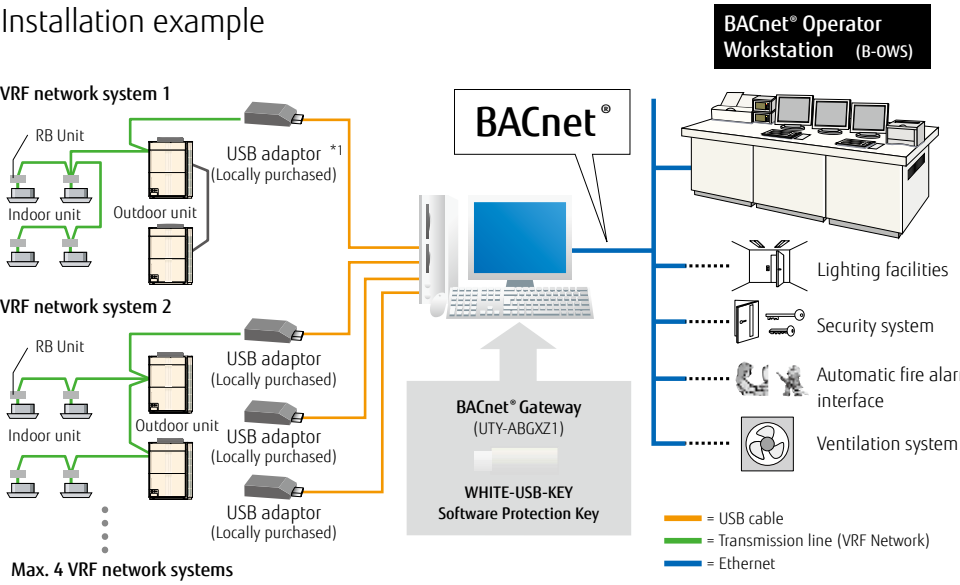
- It is possible to connect medium to large sized BMS to VRF network system via BACnet®, a global standard for open networks.
- A maximum of 1600 indoor units with 4 VRF network systems (a maximum of 400 indoor units & 100 outdoor units for one network system) can be connected to one BACnet® Gateway.
- It is possible to control or monitor VRF network system from BMS via BACnet® Gateway.
- Compatible with BACnet® (ANSI / ASHRAE-135-2012) 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.

Max. Controllable
4
VRF network
systems

Max. Controllable
400 outdoor units

Max. Controllable
1,600 indoor units

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

<Packing list>

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

- Personal computer that satisfies the following system requirements
- Echelon® U10 USB Network Interface – TP/FT-10 Channel (Model number: 75010R) (Required for each VRF Network.)

NEW

BACnet® Gateway

Hardware

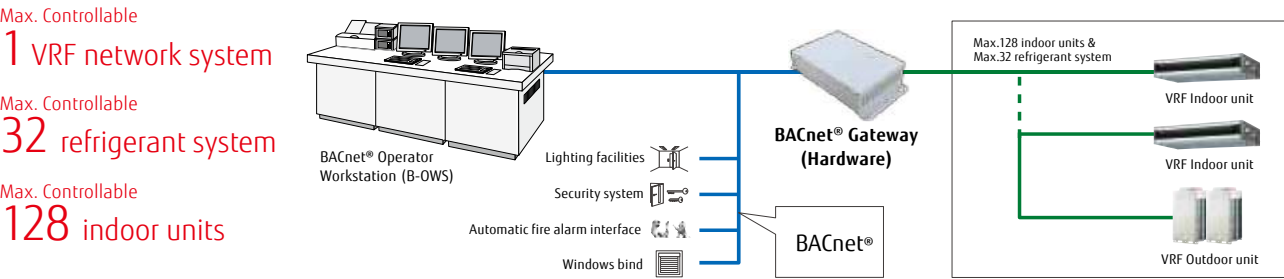
UTY-VBGX



Features

- BACnet® Gateway enables to connect a BMS and FG VRF system.
- A maximum of 128 indoor units and 32 refrigerant system can be connected to a single BACnet® Gateway.
- Compatible with BACnet® (ANSI / ASHRAE-135-2010) application specific controller (B-ASC).
- Compatible with BACnet®/IP over Ethernet.

Installation example



Specifications

Model name	UTY-VBGX	Model name	UTY-VBGX
Number of controllable indoor units	128	Power Supply	208-240V 50/60Hz, single phase
Number of controllable refrigerant system	32	Power Consumption (W)	—
Number of controllable VRF network	1	Dimensions (H × W × D) (mm)	10-1/4 × 2-5/16 × 5-11/16 (260 × 59 × 145)
Number of connectable units / one VRF network	4	Weight (g)	—

Network Converter for LONWORKS®

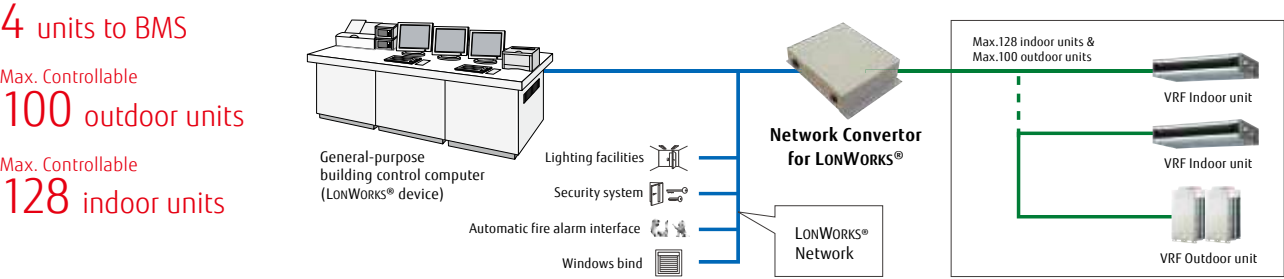
UTY-VLGX



Features

- 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 Convertor for **LONWORKS®**

Installation example



Specifications

Model name	UTY-VLGX
Power Supply	208-240V 50/60Hz, 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 Indoor Unit



UTY-VMSX

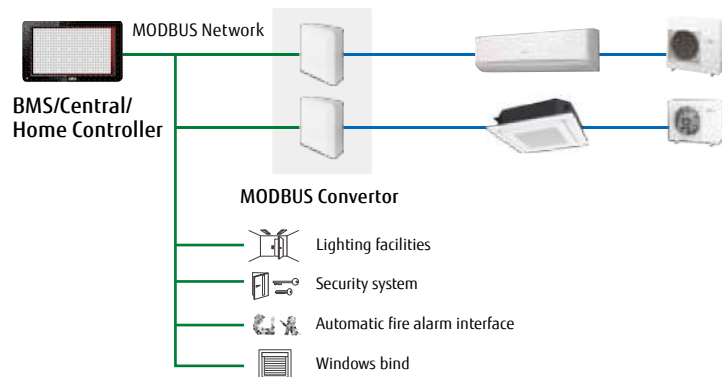


Max. Connectable
1 Single indoor unit

Features

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.

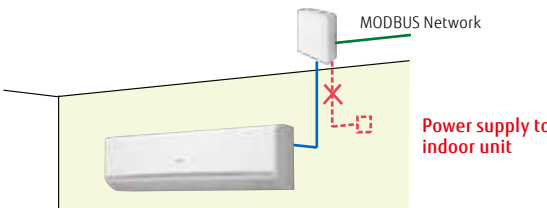


Basic control

- 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.



Specifications

Model name		UTY-VMSX	
Power supply		AC 220/240 V 50/60 Hz AC 208/230 V 60 Hz	
Input Power		W	Max. 1.2
Temperature	Operating / Packaged	°C (°F)	0~46(32~114) / -10~60(14~140)
Humidity	Operating / Packaged	%	0~95 / 0~95
Dimensions (H×W×D)(in.)		mm (in.)	43 × 117 × 140
Weight(oz)		g (oz)	200(7)
Maximum Connectable indoor unit number per 1 MODBUS Convertor			1

MODBUS® Convertor



UTY-VMGX

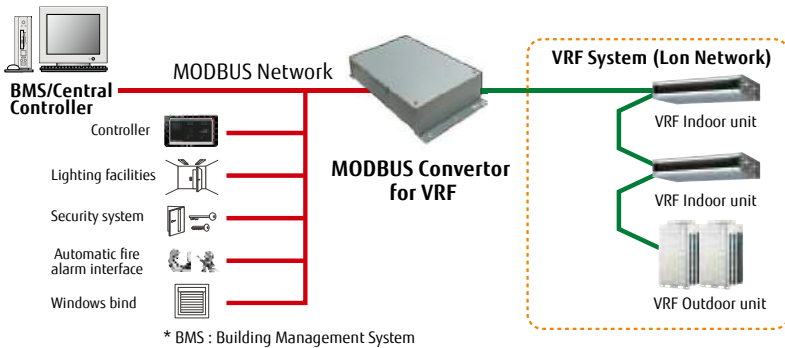


Max. Controllable
9 units to one VRF
Max. Controllable
100 outdoor units
Selectable
128 indoor units

Features

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 convertors 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.



MODBUS® Interface



FJ-RC-MBS-1

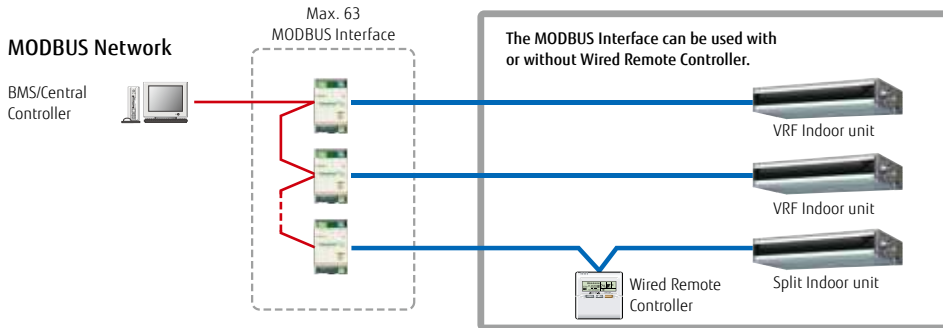


Max. Connectable
1 Single indoor unit

Features

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.



Specifications

Model name	UTY-VMGX
Power Supply	AC 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	FJ-RC-MBS-1
Dimensions (H × W × D) (mm)	93 × 53 × 58
Weight (g)	85

NEW

KNX® Convertor for VRF

UTY-VKGX



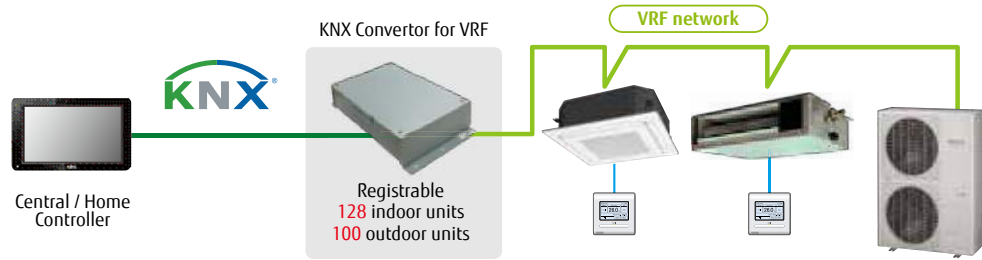
Features

KNX Convertor is useful for centralized control in a system.

- New KNX Convertor enables to connect central/home controller and FG 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



NEW

KNX® Convertor for Indoor Unit

UTY-VKSX

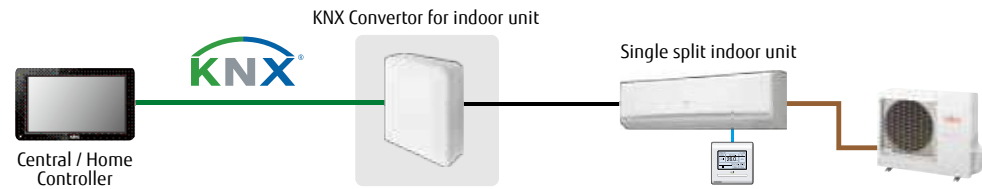


Features

KNX Convertor is useful for individual control of indoor.

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

Max. Connectable
1 Single indoor unit



Specifications

Model name	UTY-VKGX	UTY-VKSX
Power supply	208-240 V 50/60 Hz	(DC 12 V)
Power consumption (W)	1.5	0.6
Dimensions (H × W × D) (mm)	54×260×50	43×117×140
Weight (g)	1,100	250

KNX® Interface

FJ-RC-KNX-1i

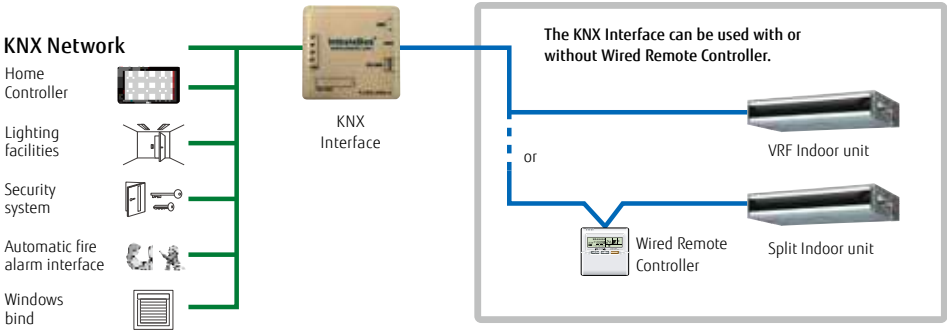


Features

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.

Max. Controllable
1 group



Specifications

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



Wireless LAN Interface



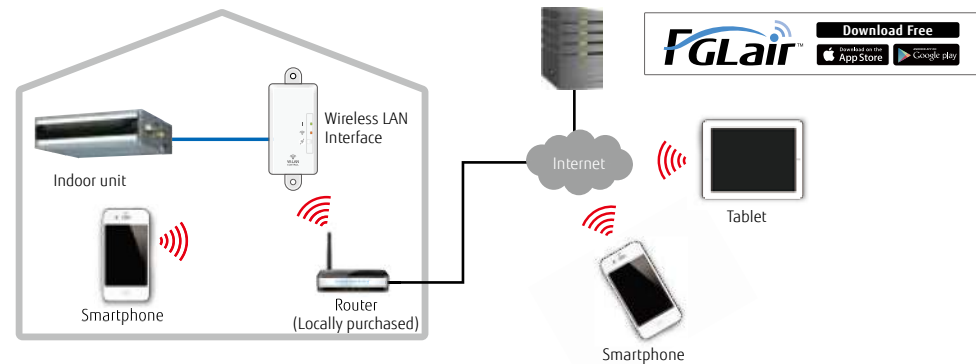
UTY-TFNXZ1 / UTY-TFSXZ1



Max. Connectable
1 Single indoor unit

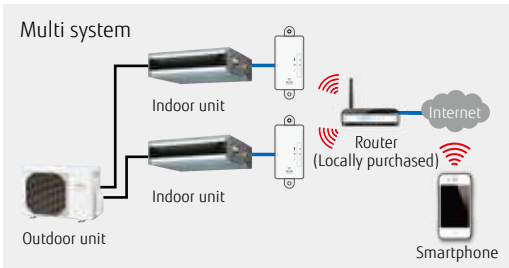
Features

- It is the most advanced solution to remotely manage an Air Conditioning system using all sort of mobile devices such as Smartphones, and tablets.
- No separate external power supply required
- Can be used for single indoor units and multi system indoor units



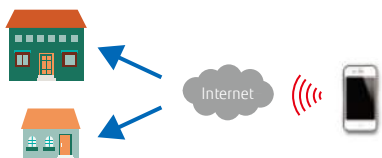
Basic control

- 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



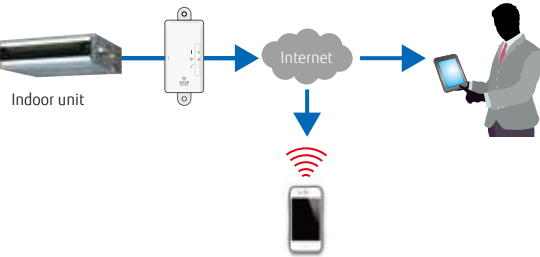
Multiple air conditioning management

- 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.



Specifications	
Model name	UTY-TFNXZ1 / UTY-TFSXZ1
Dimensions (H × W × D) (mm)	71×38×15
Weight (g)	85

Wireless LAN Interface



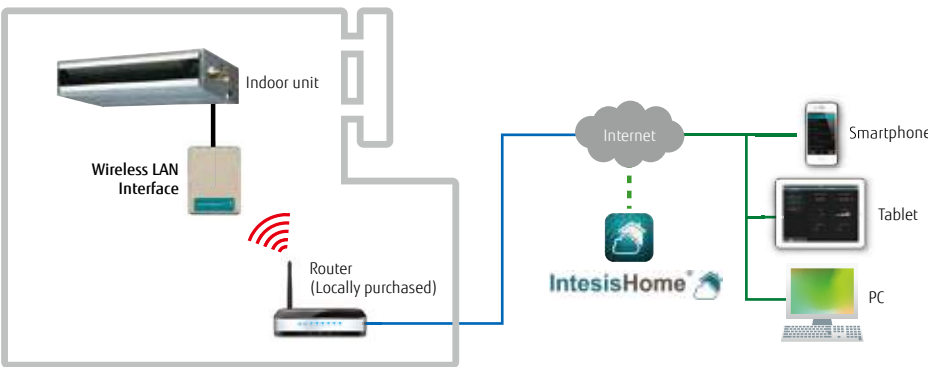
FJ-RC-WIFI-1



Max. Connectable
1 Single indoor unit

Features

- 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



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



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)	70×108×28
Weight (g)	80

NEW

External Switch Controller

UTY-TERX



Max. Controllable
1 group

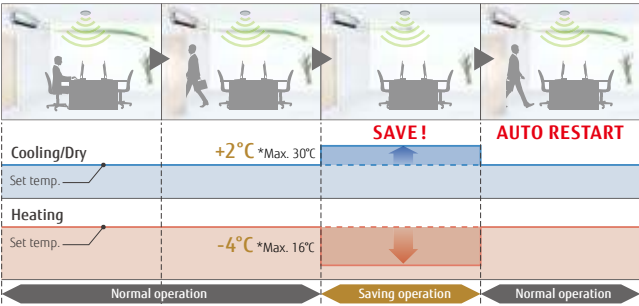
Features

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.
- 2-wire type
- 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.

Signal Amplifier



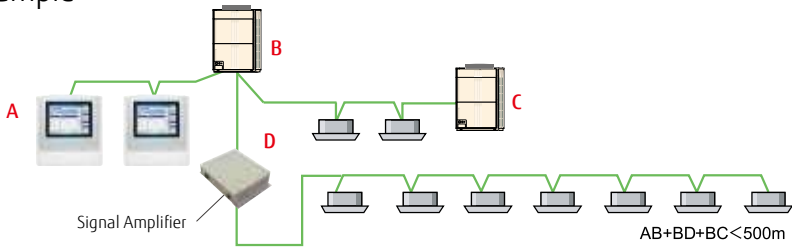
UTY-VSGXZ1



Features

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

DC 12 V is supplied by the indoor unit.

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

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

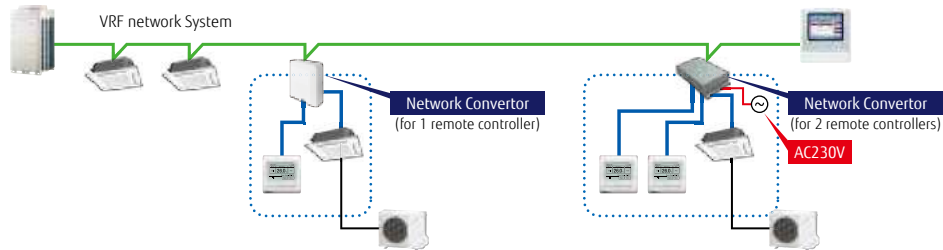
Max. Controllable
100
Network Convertors

Features

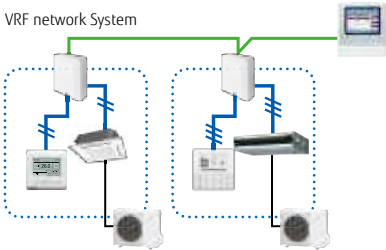
- The network convertors are required when connecting single split system to VRF network system.
- Compact and light weight design
- Connectable to both types of 2-wire and 3-wire remote controllers

Installation example.

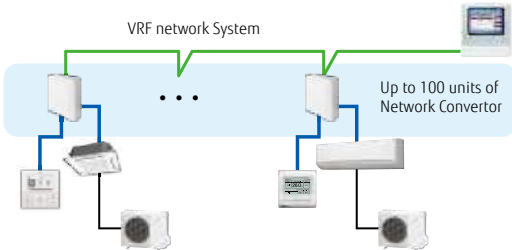
- 2 types of 1 remote controller type and 2 remote controllers type are available.
- Power supply (AC220-240V, 50/60 Hz) is required for 2 remote controllers type.



- 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 Convertor 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	50/60 Hz AC 220/240 V
Input power (W)	Max. 1.2		Max. 3
Dimensions (H × W × D) (mm)	43 × 117 × 140		54 × 260 × 150
Weight (g)	250		1,100