Light Commercial & Commercial, Residential

CONTROL SYSTEM & OPTIONAL PARTS

CONTROL SYSTEM

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236 KNX® Convertor
237 New Wireless LAN Interface
238 External Switch Controller

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CONVERTOR/ADAPTOR
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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.

Air Conditioning
Centralized Control

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

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.

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-VKKSX

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

- **Wireless LAN Interface**
  - FJ-RC-WIFI-1

- **Network Convertor**
  - For external control via BMS/Home Automation Systems
    - DC power supply
      - UTY-VTKLV
    - AC power supply
      - UTY-VTKKY
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**

<table>
<thead>
<tr>
<th>Wired Remote Controller</th>
<th>Wired Remote Controller</th>
<th>Simple Remote Controller</th>
<th>Wireless Remote Controller</th>
<th>IR Receiver Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTY-IRRYZ3</td>
<td>UTY-BLRY</td>
<td>UTY-RBRY</td>
<td>UTY-LNHY</td>
<td>UTY-YWC for Duct</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>UTY-TYWC for Duct</td>
</tr>
</tbody>
</table>

**Air Conditioning - Centralized Control**

- **System Controller**
  - Wired Remote Controller (Touch panel)
  - UTY-APGXZ1/UTY-ALGXZ1 (Lite edition)
- **Touch Panel Controller**
  - UTY-DTGYZ1
- **Central Remote Controller**
  - UTY-CGZY
- **Group Remote Controller**
  - UTY-CGGY
- **Network Converter** (For Group Remote Controller)
  - UTY-VSGXZ1
- **External Switch Controller**
  - UTY-TERX

**Controllable Units**

- **Remote/Monitoring side**
  - Max Controllable: 1600 indoor units
  - Max Controllable: 400 indoor units
  - Max Controllable: 100 indoor units
  - Max Controllable: 8 indoor units

**Control System Overview**

For VRF

**Convertor/Adaptor**

For external control via BMS/Home Automation Systems

- **BACnet® Gateway**
  - UTY-ABGZ1
- **Network Converter** (For LONWORKS®)
  - UTY-VBGX
- **MODBUS® Convertor**
  - UTY-VMGX
- **Wireless LAN Interface**
  - UTY-TFSXZ1
- **External Switch Controller**
  - UTY-TERX
- **KNX® Convertor For VRF**
  - UTY-VKGX

**For system expansion**

- **Network Converter** (DC power supply)
  - UTY-VGGXV
- **Signal Amplifier**
  - UTY-VGGXZ1

**BMS/BAS**

*1: USB Adaptor: Echelon® U10 USB Network Interface
*2: Lite edition is max. controllable 400 indoor units
*3: BMS/BAS: Building Management System/Building Automation System

**For Duct**

NEW

UTY-TRHX For 3D Flow Cassette/Duct
UTY-LRHYB1 For Cassette
UTY-LBHXD For Circular Flow Cassette
Fujitsu General provides the best control solutions suitable for the various properties.

### SHOP

<table>
<thead>
<tr>
<th>Type</th>
<th>Individual Control</th>
<th>Centralized Control</th>
<th>Integrating Control (Interface)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wired Remote Controller</td>
<td>UTY-RNRYZ3 UTY-RLRY</td>
<td>UTY-RSRY UTY-RHRY UTY-RSNYM</td>
<td>UTY-DCGYZ1 UTY-DTGYZ1 UTY-APGXZ1 UTY-ALGXZ1</td>
</tr>
<tr>
<td>Simple Remote Controller</td>
<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
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<tr>
<td>Wireless Remote Controller</td>
<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
</tr>
<tr>
<td>Touch Panel Controller</td>
<td>UTY-VGXX</td>
<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
</tr>
<tr>
<td>Systems Controller</td>
<td>UTY-VGXX</td>
<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
</tr>
<tr>
<td>Remote Control Board for Centralized System</td>
<td>UTY-VGXX</td>
<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
</tr>
<tr>
<td>External Switch Controller</td>
<td>UTY-VGXX</td>
<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
</tr>
</tbody>
</table>

- **Automatic control of A/C (Schedule timer, Weekly timer etc.)**
- **Centralized control for staff (ER, Production, Sales, etc.)**
- **Limited control for staff (RC Prohibition, Room temp set point limitation etc.)**
- **Group Control**
- **Advanced Energy Saving (Start/Stop, Indoor unit rotation operation etc.)**
- **Remote Management**
- **Manage multiple sites**
- **Monitor energy consumption**
- **Control third party products**
- **Integrate FGL A/C into BMS**

### OFFICE

<table>
<thead>
<tr>
<th>Type</th>
<th>Individual Control</th>
<th>Centralized Control</th>
<th>Integrating Control (Interface)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wired Remote Controller</td>
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<td>UTY-RSRY UTY-RHRY</td>
<td>UTY-DCGYZ1 UTY-DTGYZ1</td>
</tr>
<tr>
<td>Simple Remote Controller</td>
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<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
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<tr>
<td>Wireless Remote Controller</td>
<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
</tr>
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<td>UTY-RLRY</td>
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<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
</tr>
<tr>
<td>Remote Control Board for Centralized System</td>
<td>UTY-VGXX</td>
<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
</tr>
<tr>
<td>External Switch Controller</td>
<td>UTY-VGXX</td>
<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
</tr>
<tr>
<td>BACnet® Gateway</td>
<td>UTY-VGXX</td>
<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
</tr>
</tbody>
</table>

- **Local control for office staff**
- **Automatic control of A/C (Schedule timer, Weekly timer etc.)**
- **Centralized A/C control for management**
- **Centralized control for office staff (ER, Production, Sales, etc.)**
- **Advanced Energy Saving (Start/Stop, 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**

### HOTEL

<table>
<thead>
<tr>
<th>Type</th>
<th>Individual Control</th>
<th>Centralized Control</th>
<th>Integrating Control (Interface)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wired Remote Controller</td>
<td>UTY-RNRYZ3</td>
<td>UTY-RSRY UTY-RHRY</td>
<td>UTY-DCGYZ1 UTY-DTGYZ1</td>
</tr>
<tr>
<td>Simple Remote Controller</td>
<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
</tr>
<tr>
<td>Wireless Remote Controller</td>
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<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
</tr>
<tr>
<td>Touch Panel Controller</td>
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</tr>
<tr>
<td>Systems Controller</td>
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<td>UTY-RLRY</td>
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<tr>
<td>Remote Control Board for Centralized System</td>
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<td>External Switch Controller</td>
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<tr>
<td>BACnet® Gateway</td>
<td>UTY-VGXX</td>
<td>UTY-RLRY</td>
<td>UTY-RLRY</td>
</tr>
</tbody>
</table>

- **Local control for hotel guest**
- **Centralized A/C control for common space**
- **Limited control for hotel guest**
- **Remote Management**
- **Advanced Energy Saving (Start/Stop, Indoor unit rotation operation etc.)**
- **Monitor energy consumption**
- **Control third party products**
- **Integrate FGL A/C into BMS**
- **Interlock with door contact**
- **Interlock with human sensor for meeting room**
- **Interlock with window contact**

Fujitsu General provides the best control solutions suitable for the various properties.
## Comparison Table of Controllers

<table>
<thead>
<tr>
<th>Feature</th>
<th>Wired Remote Controller</th>
<th>Wired Remote Controller (Touch panel)</th>
<th>Wired Remote Controller</th>
<th>Simple Remote Controller</th>
<th>Simple Remote Controller&lt;sup&gt;**&lt;/sup&gt;</th>
<th>System Controller</th>
<th>Touch Panel Controller</th>
<th>Central Remote Controller</th>
<th>System Controller Lite</th>
<th>System Controller&lt;sup&gt;**&lt;/sup&gt;</th>
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<tbody>
<tr>
<td>Off function</td>
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<td>Fan speed setting</td>
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<tr>
<td>On/Off timer</td>
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</tr>
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</tr>
<tr>
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<tr>
<td>Auto off timer</td>
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<tr>
<td>Program timer</td>
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</tr>
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<td>Room temp. setting</td>
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<td>Room temp. condition</td>
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<tr>
<td>Room temp. setting</td>
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<td>Program timer</td>
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<tr>
<td>Room temp. setting</td>
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<tr>
<td>Room temp. set point limitation</td>
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<td>Program timer</td>
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</tr>
</tbody>
</table>

**Note:**
- *1 “Operation mode” setting is not available for this model.
- *2 This function is available only through external input control.
- *3 Only individual air blower Israel is mounted.
- *4 This function is available only when using wired remote controller.
- [ ] Optional function
- [ ] Not supported yet.
**Wired Remote Controller (Touch Panel)**

**UTY-RNY23**

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model name</td>
<td>UTY-RNY23</td>
</tr>
<tr>
<td>Power Source</td>
<td>DC 12 V</td>
</tr>
<tr>
<td>Dimensions (H × W × D) (mm)</td>
<td>120 × 120 × 20.4</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>220</td>
</tr>
</tbody>
</table>

DC 12 V is supplied by the indoor unit.

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.

**Auto OFF timer**

- The indoor unit automatically is turned off when it reaches to 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

2 schedules Weekly Timer

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

**Set contents can be displayed clearer with large LCD.**

**Sophisticated control buttons Simple operation with easy 4-way navigation pad**

**Wired Remote Controller**

**UTY-RLRY**

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model name</td>
<td>UTY-RLRY</td>
</tr>
<tr>
<td>Power Source</td>
<td>DC 12 V</td>
</tr>
<tr>
<td>Dimensions (H × W × D) (mm)</td>
<td>120 × 120 × 17</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>170</td>
</tr>
</tbody>
</table>

DC 12 V is supplied by the indoor unit.

- 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.
## Simple Remote Controller

**UTY-RSRY / UTY-RHRY (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 LED screen & simple operation buttons
  - Backlight: White colored backlight on monitor enable easy operation in dark.
  - 2 wire type

**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 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.

**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

<table>
<thead>
<tr>
<th></th>
<th>UTY-RSRY</th>
<th>UTY-RHRY</th>
<th>UTY-RSN YM, UTY-RSKY</th>
<th>UTY-RHKY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model name</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Power Source</strong></td>
<td>DC 12 V</td>
<td>DC 12 V</td>
<td>DC 12 V</td>
<td>DC 12 V</td>
</tr>
<tr>
<td><strong>Dimensions (H × W × D) (mm)</strong></td>
<td>120 × 75 × 19.4</td>
<td>120 × 75 × 19.4</td>
<td>120 × 75 × 19.4</td>
<td>120 × 75 × 14</td>
</tr>
<tr>
<td><strong>Weight (g)</strong></td>
<td>120</td>
<td>120</td>
<td>120</td>
<td>90</td>
</tr>
</tbody>
</table>

DC 12V is supplied by the indoor unit.

## MODBUS® Convertor for Indoor Unit

**UTY-VMSX**

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

### Specifications

<table>
<thead>
<tr>
<th></th>
<th>UTY-VMSX</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model name</strong></td>
<td>UTY-VMSX</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>DC 12 V</td>
</tr>
<tr>
<td><strong>Input Power (W)</strong></td>
<td>Max. 1.2</td>
</tr>
<tr>
<td><strong>Dimensions (H×W×D) (mm)</strong></td>
<td>140 × 117 × 43</td>
</tr>
<tr>
<td><strong>Weight (g)</strong></td>
<td>200</td>
</tr>
</tbody>
</table>

### Communication specifications

<table>
<thead>
<tr>
<th></th>
<th>UTY-VMSX</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Modbus communication specifications</strong></td>
<td>UTY-VMSX</td>
</tr>
<tr>
<td><strong>Operating mode</strong></td>
<td>Electronic</td>
</tr>
<tr>
<td><strong>Transfer mode</strong></td>
<td>RTU mode</td>
</tr>
<tr>
<td><strong>Data bit</strong></td>
<td>8</td>
</tr>
<tr>
<td><strong>Parity</strong></td>
<td>even/odd/none</td>
</tr>
<tr>
<td><strong>Stop bit</strong></td>
<td>1/2 (no parity)</td>
</tr>
<tr>
<td><strong>Network</strong></td>
<td>RS485</td>
</tr>
<tr>
<td><strong>Maximum cable length</strong></td>
<td>1000 m</td>
</tr>
</tbody>
</table>

## KNX® Convertor for Indoor Unit

**UTY-VKSX**

- **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

### Easy Installation
- Flexible installation with neat wirings are feasible since no power supply cable is used in the convertor.

### Specifications

<table>
<thead>
<tr>
<th></th>
<th>UTY-VKSX</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model name</strong></td>
<td>UTY-VKSX</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>DC 12 V</td>
</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td>0.6 W</td>
</tr>
<tr>
<td><strong>Dimensions (H×W×D) (mm)</strong></td>
<td>120 × 117 × 43</td>
</tr>
<tr>
<td><strong>Weight (g)</strong></td>
<td>215</td>
</tr>
</tbody>
</table>

### Modbus communication specifications

<table>
<thead>
<tr>
<th></th>
<th>UTY-VKSX</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Modbus communication specifications</strong></td>
<td>UTY-VKSX</td>
</tr>
<tr>
<td><strong>Operating mode</strong></td>
<td>Electronic</td>
</tr>
<tr>
<td><strong>Transfer mode</strong></td>
<td>RTU mode</td>
</tr>
<tr>
<td><strong>Data bit</strong></td>
<td>8</td>
</tr>
<tr>
<td><strong>Parity</strong></td>
<td>even/odd/none</td>
</tr>
<tr>
<td><strong>Stop bit</strong></td>
<td>1/2 (no parity)</td>
</tr>
<tr>
<td><strong>Network</strong></td>
<td>RS485</td>
</tr>
<tr>
<td><strong>Maximum cable length</strong></td>
<td>1000 m</td>
</tr>
</tbody>
</table>
Wireless LAN Interface
UTY-TFNXZ1 / UTY-TFSXZ1, UTY-TFSXW1, UTY-TFSXF2

• 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.

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

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 different locations.

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

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.

External Switch Controller
UTY-TERX

Air conditioner switching can be controlled by connecting other sensor switches.
• In combination with a field supply Card-Reader 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 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.

Specifications

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

DC 12 V is supplied by the indoor unit.
CONTROL SYSTEM – INDIVIDUAL CONTROL

Wired Remote Controller
UTY-RVNYM

Hi-grade individual control using various functions.
- 3.7 inch LED 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 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 | UTY-LNTY/UTY-LNTX
---|---|---
Model name | UTY-RVNYM | UTY-LNTY/UTY-LNTX
Power Source | DC 12 V | DC 12 V
Dimensions (H × W × D) (mm) | 120 × 120 × 21.3 | 120 × 120 × 18
Weight (g) | 220 | 160
DC 12 V is supplied by the indoor unit.

Wired Remote Controller
UTY-RVNYM

- 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.

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

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-LNTY | UTY-LNTX
---|---|---
Model name | UTY-LNTY | UTY-LNTX
Power Source | DC 12 V | DC 5V
Dimensions (H × W × D) (mm) | 145 × 90 × 30 | 120 × 120 × 18
Weight (g) | 150 | 160
DC 12 V is supplied by the indoor unit.
**IR Receiver Unit for Duct**  
**UTY-LRHYM, UTY-LBTYM, UTY-LRHYA2, UTY-LBTYC**

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

![IR Receiver Unit for Duct](image)

**Specifications**

<table>
<thead>
<tr>
<th>Model name</th>
<th>UTY-LRHYM</th>
<th>UTY-LBTYM</th>
<th>UTY-LRHYA2</th>
<th>UTY-LBTYC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Battery</strong></td>
<td>12V</td>
<td>12V</td>
<td>12V</td>
<td>12V</td>
</tr>
<tr>
<td><strong>Dimensions (H × W × D) (mm)</strong></td>
<td>145 × 90 × 30</td>
<td>145 × 90 × 30</td>
<td>193.9 × 193.9 × 31.2</td>
<td>193.9 × 193.9 × 31.2</td>
</tr>
<tr>
<td><strong>Weight (g)</strong></td>
<td>150</td>
<td>150</td>
<td>140</td>
<td>140</td>
</tr>
</tbody>
</table>

DC 12 V is supplied by the indoor unit.

---

**Central Remote Controller**  
**UTY-DMMYM**

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**

- **Branch box**: Address setting is not required*
- When the indoor units are connected to a branch box, the address for each indoor unit is set automatically.
- *Note: Cross-over connections are not allowed in the refrigerant system. Group settings are not allowed.

**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.

---

**IR Receiver Unit for Cassette**  
**UTY-LRHYA2, UTY-LBTYC**

Cassette type indoor unit can be controlled with Wireless Remote Controller.

![IR Receiver Unit for Cassette](image)

**Specifications**

<table>
<thead>
<tr>
<th>Model name</th>
<th>UTY-LRHYA2</th>
<th>UTY-LBTYC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Battery</strong></td>
<td>12V</td>
<td>12V</td>
</tr>
<tr>
<td><strong>Dimensions (H × W × D) (mm)</strong></td>
<td>145 × 90 × 30</td>
<td>145 × 90 × 30</td>
</tr>
<tr>
<td><strong>Weight (g)</strong></td>
<td>150</td>
<td>150</td>
</tr>
</tbody>
</table>

DC 12 V is supplied by the indoor unit.

---

**Central Remote Controller**  
**UTY-DMMYM**

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**

- **Branch box**: Address setting is not required*
- When the indoor units are connected to a branch box, the address for each indoor unit is set automatically.
- *Note: Cross-over connections are not allowed in the refrigerant system. Group settings are not allowed.

**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.
**MODBUS® Interface**

**FJ-RC-MBS-1**

**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**

<table>
<thead>
<tr>
<th>Model Name</th>
<th>FJ-RC-MBS-1</th>
<th>FJ-RC-KNX-1i</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (H × W × D) (mm)</td>
<td>93 × 53 × 58</td>
<td>70 × 70 × 28</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>85</td>
<td>70</td>
</tr>
</tbody>
</table>

**KNX® Interface**

**FJ-RC-KNX-1i**

**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**

<table>
<thead>
<tr>
<th>Model Name</th>
<th>FJ-RC-WIFI-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (H × W × D) (mm)</td>
<td>108 × 70 × 28</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>80</td>
</tr>
</tbody>
</table>

**Wireless LAN Interface**

**FJ-RC-WIFI-1**

- It is the most advanced solution to remotely manage an Air Conditioning system using all sorts 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 (SEER, 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)
**Network Converter for Single Split**

UTY-VTGX / UTY-VTGAV

- 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

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Supply</th>
<th>Input Power (W)</th>
<th>Dimensions (mm)</th>
<th>Weight (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTY-VTGX</td>
<td>DC</td>
<td>Max. 1.2</td>
<td>360 x 177 x 63</td>
<td>250</td>
</tr>
<tr>
<td>UTY-VTGAV</td>
<td>AC</td>
<td>Max. 3</td>
<td>54 x 260 x 150</td>
<td>1,100</td>
</tr>
</tbody>
</table>

**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.

**Wireless Remote Controller**

UTY-LNHY

- 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.

**IR Receiver Unit for Cassette**

UTY-LYHYB1, 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

**Network Convertor for Single Split**

UTY-VTGX / UTY-VTGAV

- 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

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Supply</th>
<th>Input Power (W)</th>
<th>Dimensions (mm)</th>
<th>Weight (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTY-VTGX</td>
<td>DC</td>
<td>Max. 1.2</td>
<td>360 x 177 x 63</td>
<td>250</td>
</tr>
<tr>
<td>UTY-VTGAV</td>
<td>AC</td>
<td>Max. 3</td>
<td>54 x 260 x 150</td>
<td>1,100</td>
</tr>
</tbody>
</table>

**Installation example.**

- 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)
**Group Remote Controller/Network Convertor**

**UTY-CGGY / UTY-VGGXZ1**

**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 1 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.

**Specifications**

<table>
<thead>
<tr>
<th>Model name</th>
<th>UTY-CGGY</th>
<th>Model name</th>
<th>UTY-VGGXZ1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>DC 12 V</td>
<td>Power Supply</td>
<td>208-240 V, 50/60 Hz, Single phase</td>
</tr>
<tr>
<td>Dimensions (H × W × D) (mm)</td>
<td>120 × 120 × 18</td>
<td>Dimensions (H × W × D) (mm)</td>
<td>67 × 288 × 211</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>200</td>
<td>Weight (g)</td>
<td>1,500</td>
</tr>
</tbody>
</table>

DC 12 V is supplied by the indoor unit.

**Network Convertor**
- UTY-VGGXZ1
- For Group Remote Controller

**Max. Controllable**
- 8 remote controller groups
- 92 indoor units in 8 Groups
- 2 refrigerant circuits

**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.

**Central Remote Controller**

**UTY-DCGY21**

**For small- and medium-sized buildings and tenants**
- Individual control and monitor of 100 indoor units
- 72-dot TFT color screen
- High visibility and easy operation
- Supports 12 different languages (English, Spanish, German, French, Italian, Russian, Portuguese, Turkish, Polish, Greek, Dutch, Chinese)

**Max. Controllable**
- 100 indoor units
- 50 groups

**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
  - This function is available only when using wired remote controller

**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**

<table>
<thead>
<tr>
<th>Model name</th>
<th>UTY-DCGY21</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>100-240 V, 50/60 Hz</td>
</tr>
<tr>
<td>Dimensions (H × W × D) (mm)</td>
<td>136.6 × 216.2 × 37.9</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>800</td>
</tr>
</tbody>
</table>

* This function is available only when using wired remote controller.
**Control System & Optional Parts**

**Product Lineup**

**Control System – Centralized Control**

**Touch Panel Controller**

**UTY-DTCY21**

- Large-sized 7.5-inch TFT color LCD
- Easy finger touch operation
- Stylish shape and design to suit all applications
- 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.

**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 icons.
- Dark color identifies current control operation blue for monitoring, green for operational control.

**Max. Controllable**

- 400 indoor units
- 100 outdoor units
- 400 groups

**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**

- Emergency stop control
- Air conditioner can be turned off through the external input control

**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.

**Operation status monitoring**

**Smart Phone**

- Nexus 6P (Android 7.1.1) Google Chrome 5.5
- iPhone 7 (iOS 10.1) Safari 10

**Tablet**

- iPad Pro 9.7 inch (iOS 10.2.1) Safari 10

**Flexible access permission for Point each level user.**

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

**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**

- Emergency stop control
- Air conditioner can be turned off through the external input control

**Features**

- Electric power consumption monitoring
- Error notification by E-mail

**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.

- 7 Languages + Other languages
- Touch Panel Controller
- Multi-language support

**Electricity charge apportionment**

- 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

**Monitoring from web site**

**LAN**

*Electricity meter (Tenant) 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
Provisioning 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.

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.

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.
System Controller

**Utility-APGXZ1 (Software)**

Max. Controllable

- 4 VRF network systems
- 400 outdoor units
- 1,600 indoor units

**System Controller Lite**

**Utility-APGXZ2 (Software)**

Max. Controllable

- 1 VRF network systems
- 100 outdoor units
- 400 indoor units

System Controller Lite 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)

**Features:**

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

**High visibility and Easy operation**

**Click & Operate:** The property is shown visually from the displays of site, building, floor, or list.

- The detailed calculation takes into consideration such things as electricity 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 electricity charge for each month. With electricity charge apportionment function, energy apportionment ratio will be provided, calculating in detail the energy consumed by the units used by each tenant.

**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, 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)
Features: System Controller/System Controller Light

Remote management

On site central control

Max. 6 VRF system sites per site

Remote control

Building management company can manage more than 100 units

Energy saving management

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 finely grouped and the control level can be set.

Outdoor unit capacity save

Outdoors 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.

On site central control

Max. 10 VRF system sites with max. 20 buildings per site

Remote control

Energy saving management

Peak cut operation

A maximum of 10 VRF system sites with max. 20 buildings per site

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.

Personal computer system requirements

The required PC specifications are shown in the following table.

<table>
<thead>
<tr>
<th>Function Type</th>
<th>System Controller</th>
<th>System Controller Lite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adobe Reader® 9.0 or later</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows 7/8/10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy saving</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Central Control</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy saving management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Option</td>
<td></td>
<td></td>
</tr>
<tr>
<td>for System Controller</td>
<td></td>
<td></td>
</tr>
<tr>
<td>for System Controller Lite</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating system</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows 7/8/10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating system</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows 7/8/10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENERGY CONSUMPTION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A variety of energy saving can be operated while depending on the season, weather, and time period. Excellent energy saving operation is performed while keeping users comfortable.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DISPLAY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1024 x 768 or higher resolution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DATABASE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multi site display</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 - 10 sites</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. VRF networks supported</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 - 1 networks</td>
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<td></td>
</tr>
<tr>
<td>System controller</td>
<td></td>
<td></td>
</tr>
<tr>
<td>System controller Lite</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Min. unit of timer setting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15 minutes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Schedule</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OTHERS</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
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</tr>
</tbody>
</table>

**FUNCTIONS SUMMARY**

<table>
<thead>
<tr>
<th>Function Type</th>
<th>System Controller</th>
<th>System Controller Lite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adobe Reader® 9.0 or later</td>
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<tr>
<td>Energy saving management</td>
<td></td>
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</tr>
<tr>
<td>Option</td>
<td></td>
<td></td>
</tr>
<tr>
<td>for System Controller</td>
<td></td>
<td></td>
</tr>
<tr>
<td>for System Controller Lite</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating system</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows 7/8/10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating system</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows 7/8/10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ENERGY CONSUMPTION**

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

**DISPLAY**

1024 x 768 or higher resolution

**DATABASE**

Multi site display 10 - 10 sites

**OTHERS**

1024 x 768 or higher resolution

**OPERATING SYSTEMS**

Windows 7/8/10

**ENERGY SAVING MANAGEMENT**

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 finely 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.
## BACnet® Gateway

**UTY-ABGZ1**

- Can be used for management of small to medium size BMS systems.
- Supports BACnet Protocol.
- Various applications are available.

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>UTY-ABGZ1</th>
<th>UTY-VBGX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Controllable Indoor Units</td>
<td>128</td>
<td>128</td>
</tr>
<tr>
<td>Max. Controllable Outdoor Units</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Max. Controllable VRF Network Systems</td>
<td>4</td>
<td>32</td>
</tr>
<tr>
<td>Power Supply</td>
<td>208-240 V, 50/60 Hz, Single phase</td>
<td>100-240 V, 50/60 Hz, Single phase</td>
</tr>
<tr>
<td>Dimensions (H × W × D) (mm)</td>
<td>257 x 256 x 254</td>
<td>59.6 x 270.4 x 176</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>2,572</td>
<td>1,500</td>
</tr>
</tbody>
</table>

### Installation Example

- **Network Convertor for LONWORKS®**
  - Transmits between network interfaces.
  - Supports both BACnet and LONWORKS interfaces.

- **Limits on system configurations:**
  - Maximum of 4 USB ports are required.
  - 1 USB port is required for WHITE-USB-KEY/WibuKey connection.

### Personal Computer System Requirements

- **Operating System:**
  - Windows: 7, 8, 10 (32-bit and 64-bit)
  - MacOS: 10.8, 10.10, 10.11, 10.12

- **CPU:**
  - Dual Core

- **Memory:**
  - 4 GB or more

- **Display:**
  - 1280 x 1024 or higher resolution

- **USB Interface:**
  - 1 USB port required for WHITE-USB-KEY connection

### Network Convertor

- For connection between VRF network system and a LONWORKS® open network.
- Supports both BACnet and LONWORKS interfaces.
- Can connect up to 128 Indoor units to a Network Convertor for LONWORKS®.

### BACnet® Gateway

- Enables connection to a BMS and a Fujitsu General VRF system.
- Supports both BACnet and LONWORKS interfaces.
- Can connect up to 128 Indoor units and 128 Refrigerant Systems.
MODBUS® Convertor for VRF

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.

**Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>UTY-VMGX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>220-240 V, 50/60 Hz</td>
</tr>
<tr>
<td>Input power (W)</td>
<td>2</td>
</tr>
<tr>
<td>Dimensions (H × W × D) (mm)</td>
<td>54 × 260 × 150</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>1,100</td>
</tr>
</tbody>
</table>

**KNX® Convertor for VRF**

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.

**Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>UTY-VSGXZ1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>208-240 V, 50/60 Hz, Single phase</td>
</tr>
<tr>
<td>Power Consumption (W)</td>
<td>4.5</td>
</tr>
<tr>
<td>Dimensions (H × W × D) (mm)</td>
<td>67 × 288 × 211</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>1,500</td>
</tr>
</tbody>
</table>

**BMS/Central Controller**

- MODBUS Network
- MODBUS Convertor for VRF
- VRF System

**Signal Amplifier**

**Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>UTY-VSGXZ1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>220-240 V, 50/60 Hz</td>
</tr>
<tr>
<td>Power Consumption (W)</td>
<td>0.5</td>
</tr>
<tr>
<td>Dimensions (H × W × D) (mm)</td>
<td>56 × 282 × 150</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>1,200</td>
</tr>
</tbody>
</table>

**Installation example**

- 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.
<table>
<thead>
<tr>
<th>Type</th>
<th>Outdoor unit</th>
<th>Indoor unit</th>
<th>Controller</th>
<th>External</th>
<th>Wired</th>
<th>Knx Modbus</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>RZU</td>
<td>3-Wire Type</td>
<td>2-Wire Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RZ-S</td>
<td>UTY-TWRXZ2</td>
<td>UTY-TWBXF2</td>
<td></td>
<td>UTY-RLRY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UTY-TERX+</td>
<td>UTY-TWRX</td>
<td></td>
<td>UTY-VTGX</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>UTY-VMSX</td>
<td></td>
<td>UTY-RSNYM</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:**
- Supply Type: For Duct, For Cassette
- Refrigerant: UTY-TWRXZ2, UTY-TWBXF2
- Indoor Unit: UTY-TWBXF2, UTY-TERX+
- Controller: UTY-TWRX, UTY-VTGX
- External: UTY-RLRY, UTY-VTGX
- Wired: UTY-RSNYM
- Knx Modbus: UTY-RLRY, UTY-VTGX
- Other: UTY-RLRY, UTY-VTGX

**Additional Info:**
- Ceiling: (KVLA) (Standard) High Static Pressure Big Compact
- Multi: (KVLA) Multi
- Optional Parts: 281260 &
- Other: 261260

**Reference:**
- See page 260 for more information.
## Control System List For VRF

<table>
<thead>
<tr>
<th>Option</th>
<th>Type</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Flow</td>
<td>3-wire</td>
<td>Type 2-wire</td>
</tr>
<tr>
<td>Remote</td>
<td>Controller</td>
<td>Panel</td>
</tr>
<tr>
<td>Touch</td>
<td>Controller</td>
<td>Remote</td>
</tr>
<tr>
<td>Central</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LONWORKS</td>
<td>for</td>
<td>Network</td>
</tr>
<tr>
<td>Remote</td>
<td>Group</td>
<td>Convertor</td>
</tr>
<tr>
<td>Wired</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BACnet</td>
<td>System</td>
<td>Controller,</td>
</tr>
<tr>
<td>System</td>
<td>Convertor</td>
<td></td>
</tr>
<tr>
<td>Remote</td>
<td>Wired</td>
<td></td>
</tr>
<tr>
<td>Refrigerant</td>
<td>System</td>
<td>Controller,</td>
</tr>
<tr>
<td>System</td>
<td>Convertor</td>
<td></td>
</tr>
<tr>
<td>Remote</td>
<td>Wired</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refrigerant</td>
<td>System</td>
<td>Controller,</td>
</tr>
<tr>
<td>System</td>
<td>Convertor</td>
<td></td>
</tr>
<tr>
<td>Remote</td>
<td>Wired</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refrigerant</td>
<td>System</td>
<td>Controller,</td>
</tr>
<tr>
<td>System</td>
<td>Convertor</td>
<td></td>
</tr>
<tr>
<td>Remote</td>
<td>Wired</td>
<td></td>
</tr>
</tbody>
</table>
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**
  Gril 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.

Connection Parts

- **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.

- **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.

- **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.

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
- 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 kg: 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

Auto Louver Grille Kit

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 not used.

Specifications
- Model name: UTZ-GXXA
- Power Supply: AC 230/240V, single phase
- Dimensions: (H × W × D) (mm) 65 × 186 × 178
- Weight (g): 500

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.

* Locally purchased
## Optional Parts List For Split/Multi Split

<table>
<thead>
<tr>
<th>Type</th>
<th>Indoor unit</th>
<th>Remote</th>
<th>Sensor Kit</th>
<th>Auto Louver</th>
<th>Long Life Filter</th>
<th>Panel</th>
<th>Panel spacer</th>
<th>Fresh Air Intake Kit</th>
<th>Air Outlet Shutter Plate</th>
<th>Insulation for High Humidity</th>
<th>Half Concealed Kit</th>
<th>Remote Controller Holder</th>
</tr>
</thead>
<tbody>
<tr>
<td>RZC2</td>
<td>Indoor unit</td>
<td>Remote</td>
<td>Human Sensor Kit</td>
<td>Cassette Grille</td>
<td>Auto Louver Grille Kit</td>
<td>Long Life Filter</td>
<td>Panel</td>
<td>Panel spacer</td>
<td>Fresh Air Intake Kit</td>
<td>Air Outlet Shutter Plate</td>
<td>Insulation for High Humidity</td>
<td>Half Concealed Kit</td>
</tr>
<tr>
<td>RZC1</td>
<td>Indoor unit</td>
<td>Remote</td>
<td>Human Sensor Kit</td>
<td>Cassette Grille</td>
<td>Auto Louver Grille Kit</td>
<td>Long Life Filter</td>
<td>Panel</td>
<td>Panel spacer</td>
<td>Fresh Air Intake Kit</td>
<td>Air Outlet Shutter Plate</td>
<td>Insulation for High Humidity</td>
<td>Half Concealed Kit</td>
</tr>
<tr>
<td>RZC0</td>
<td>Indoor unit</td>
<td>Remote</td>
<td>Human Sensor Kit</td>
<td>Cassette Grille</td>
<td>Auto Louver Grille Kit</td>
<td>Long Life Filter</td>
<td>Panel</td>
<td>Panel spacer</td>
<td>Fresh Air Intake Kit</td>
<td>Air Outlet Shutter Plate</td>
<td>Insulation for High Humidity</td>
<td>Half Concealed Kit</td>
</tr>
</tbody>
</table>

### Optional Parts List

- **Human Sensor Kit**: ± 
  - UTZ-XSZX

- **Remote Sensor Unit**: NEW
  - UTZ-XSZX

- **Cassette Grille**
  - UTG-UKYC-W
  - UTG-UKYA-W
  - UTG-UGYA-W
  - UTG-UFYD-W
  - UTG-UFYF-W

- **Auto Louver Grille Kit**
  - UTD-GXTA-W (09/12/14)
  - UTD-GXTB-W (18)

- **Remote Controller Holder**
  - UTR-RXLA

<table>
<thead>
<tr>
<th>Model Code</th>
<th>Optional Parts</th>
</tr>
</thead>
<tbody>
<tr>
<td>RZC2</td>
<td>±</td>
</tr>
<tr>
<td>RZC1</td>
<td>±</td>
</tr>
<tr>
<td>RZC0</td>
<td>±</td>
</tr>
</tbody>
</table>

* There are no optional parts for Floor Ceiling type.
## Optional Parts List For VRF

<table>
<thead>
<tr>
<th>Type</th>
<th>Indoor unit</th>
<th>Outdoor unit</th>
<th>Back</th>
<th>Front</th>
<th>Bottom</th>
<th>Side</th>
<th>Wall Mounted</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU5A</td>
<td>APS1000/C</td>
<td>APS9900/C</td>
<td>APS1000/C</td>
<td>APS9900/C</td>
<td>APS1000/C</td>
<td>APS9900/C</td>
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<tr>
<td>EU5B</td>
<td>APS1000/C</td>
<td>APS9900/C</td>
<td>APS1000/C</td>
<td>APS9900/C</td>
<td>APS1000/C</td>
<td>APS9900/C</td>
<td>APS1000/C</td>
</tr>
<tr>
<td>EU5C</td>
<td>APS1000/C</td>
<td>APS9900/C</td>
<td>APS1000/C</td>
<td>APS9900/C</td>
<td>APS1000/C</td>
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<td>APS9900/C</td>
<td>APS1000/C</td>
<td>APS9900/C</td>
<td>APS1000/C</td>
</tr>
</tbody>
</table>

### Indoor Parts

#### Optional Parts

- **Remote Control Unit**
  - UTY-TRHX
  - UTB-YWC

- **Human Sensor Kit**
  - UTY-SHZXC

- **Cassette Grille**
  - UTG-UKYC-W
  - UTG-UFYC-W
  - UTG-UFYE-W
  - UTG-USYA-W

- **Auto Louver Grille Kit**
  - UTD-GXTA-W
  - UTD-GXTB-W

- **Long Life Filter**
  - UTD-LF25NA
  - UTD-LF60KA

- **Flange**
  - UTD-SF045T
  - UTD-RF204

- **Drain Pump Unit**
  - UTZ-PX1NBA

- **Wide Panel Indoor unit**
  - UTG-AKXA-W

- **Panel Spacer**
  - UTD-BKXA-W

- **Fresh Air Intake Kit*1**
  - UTZ-VXAA

- **Air Outlet Shutter Plate**
  - UTR-YDZB

- **Insulation for High Humidity**
  - UTZ-KXGC

- **Half Concealed Kit**
  - UTR-STA

- **External Power Supply Box**

#### Standard Parts

- **IR Receiver Unit**
  - UTY-TRHX
  - UTB-YWC

- **Remote Sensor Unit**
  - UTY-XSZX

- **Flange**
  - UTD-GXTC-W

- **Insulation for High Humidity**
  - UTZ-KXRA

- **Half Concealed Kit**
  - UTR-STA

- **External Power Supply Box**

### Outdoor Parts

- **Air Receiver Box**
  - UTZ-XXA

- **Air Outlet Shutter Plate**
  - UTR-YDZB

- **Insulation for High Humidity**
  - UTZ-KXRA

- **Half Concealed Kit**
  - UTR-STA

- **External Power Supply Box**

### Control System & Optional Parts

- **Control System**
  - UT2-EXA

- **Optional Parts**
  - UT2-EXA

- **Control System**
  - UT2-EXA

- **Optional Parts**
  - UT2-EXA
### Function List For Split/Multi Split

#### External Input and Output Function/External Connect Kit/Communication Kit

<table>
<thead>
<tr>
<th>Type of Option</th>
<th>Optional Parts</th>
<th>Outdoor unit</th>
<th>Indoor unit</th>
<th>Multi Split/Simultaneous Multi</th>
</tr>
</thead>
<tbody>
<tr>
<td>External Connect Kit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication Kit</td>
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<td></td>
<td></td>
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<tr>
<td>External input and output PCB</td>
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</table>
### External Input and Output Function/External Connect Kit

<table>
<thead>
<tr>
<th>Type</th>
<th>Function</th>
<th>Catalog</th>
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<td>UTY-XWZXZC</td>
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<td>UTY-XWZXZY</td>
</tr>
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<td></td>
<td></td>
<td>UTY-XWZXZZ</td>
</tr>
</tbody>
</table>

*Touch Panel Controller has three functions for Dry Contact and Apply voltage; however, above External Connect Kits are not necessary because Touch Panel Controller has an external input terminal block.*

### Communication System

#### External Connect Kit

<table>
<thead>
<tr>
<th>Model</th>
<th>For Indoor unit</th>
<th>For Outdoor unit</th>
<th>For RB unit</th>
<th>For Central Remote Controller</th>
<th>For Touch Panel Controller</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTY-XWZXZ7</td>
<td>UTY-XWZXZ8</td>
<td>UTY-XWZXZ5</td>
<td>UTY-XWZXZ6</td>
<td>UTY-XWZXZ7</td>
<td>UTY-XWZXZAZ</td>
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<tr>
<td>UTY-XWZXZ8</td>
<td>UTY-XWZXZ9</td>
<td>UTY-XWZXZ6</td>
<td>UTY-XWZXZ7</td>
<td>UTY-XWZXZ8</td>
<td>UTY-XWZXZAB</td>
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<tr>
<td>UTY-XWZXZ9</td>
<td>UTY-XWZXZ0</td>
<td>UTY-XWZXZ7</td>
<td>UTY-XWZXZ8</td>
<td>UTY-XWZXZ9</td>
<td>UTY-XWZXZAC</td>
</tr>
</tbody>
</table>

*Dry Contact – Apply Voltage*
### For SPLIT/MULTI SPLIT/SIMULTANEOUS MULTI

<table>
<thead>
<tr>
<th>Separation Tube</th>
<th>Branch Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTP-SX236A / UTP-SX254A</td>
<td>For 3-phase Simultaneous Multi</td>
</tr>
<tr>
<td>UTP-SX272A</td>
<td>For Simultaneous Multi Twin / Triple / Double Twin</td>
</tr>
<tr>
<td>UTP-SX248A</td>
<td>For 8 Rooms Multi</td>
</tr>
<tr>
<td>UTP-PY03A / UTP-PY02A</td>
<td>For 3-zone type 2 zones type</td>
</tr>
</tbody>
</table>

### For VRF

<table>
<thead>
<tr>
<th>Model code</th>
<th>Model code</th>
</tr>
</thead>
<tbody>
<tr>
<td>09 : UTR-EV09XB</td>
<td>12 : UTR-EV12AH</td>
</tr>
</tbody>
</table>

### Optional Parts

**Separation Tube etc.**

**For VRF**

<table>
<thead>
<tr>
<th>Separation Tube</th>
<th>Gas Pipe</th>
<th>Liquid Pipe</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTP-AX056A</td>
<td>Liquid Pipe</td>
<td></td>
</tr>
<tr>
<td>UTP-AX180A</td>
<td>Liquid Pipe</td>
<td></td>
</tr>
<tr>
<td>UTP-AX180A</td>
<td>Liquid Pipe</td>
<td></td>
</tr>
<tr>
<td>UTP-BX090A / UTP-BX180A / UTP-BX567A</td>
<td>Liquid Pipe</td>
<td></td>
</tr>
</tbody>
</table>

**Header**

<table>
<thead>
<tr>
<th>Model code</th>
<th>Model code</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTR-H0906L / UTR-H1806L</td>
<td>UTR-H0908L / UTR-H1808L</td>
</tr>
</tbody>
</table>

**Outdoor Unit Branch Kit**

<table>
<thead>
<tr>
<th>Model name</th>
<th>Model name</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTP-CX567A / UTP-DX567A</td>
<td>UTP-CX567A / UTP-DX567A</td>
</tr>
</tbody>
</table>

**EV Kit**

<table>
<thead>
<tr>
<th>Application model</th>
<th>Model code</th>
</tr>
</thead>
<tbody>
<tr>
<td>AYME06GCEH</td>
<td>UTR-EV06AH</td>
</tr>
<tr>
<td>AYME09GCEH</td>
<td>UTR-EV09AH</td>
</tr>
</tbody>
</table>

**RB Unit**

<table>
<thead>
<tr>
<th>Model code</th>
<th>Single type</th>
<th>Multi type</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTR-RX01AH</td>
<td>UTR-RX01BH</td>
<td>UTR-RX01CH</td>
</tr>
</tbody>
</table>

### Specifications

<table>
<thead>
<tr>
<th>Separation Tube</th>
<th>T/L Capacity (kW)</th>
<th>Model code</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTP-AH06GA / UTP-AH06GA</td>
<td>19.0 or less</td>
<td></td>
</tr>
<tr>
<td>UTP-AH18GA / UTP-AH18GA</td>
<td>28.0 or less</td>
<td></td>
</tr>
<tr>
<td>UTP-AH567A</td>
<td>28.1 to 56.0</td>
<td></td>
</tr>
<tr>
<td>UTP-AH567A</td>
<td>56.1 or more</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Header</th>
<th>Total cooling capacity of indoor unit (kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTR-H0906L / UTR-H1806L</td>
<td>28.0 or less</td>
</tr>
<tr>
<td>UTR-H0908L / UTR-H1808L</td>
<td>28.1 to 56.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Outdoor unit Branch kit</th>
<th>Number of branches</th>
</tr>
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<tbody>
<tr>
<td>UTP-DX567A</td>
<td>1</td>
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<tr>
<td>UTP-DX567A</td>
<td>2</td>
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</table>

<table>
<thead>
<tr>
<th>EV Kit</th>
<th>Model code</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTR-EV06AH</td>
<td>UTR-EV09AH</td>
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</table>

<table>
<thead>
<tr>
<th>RB Unit</th>
<th>Single type</th>
<th>Multi type</th>
</tr>
</thead>
<tbody>
<tr>
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<td>UTR-RX01CH</td>
</tr>
<tr>
<td>UTR-RX01AH</td>
<td>UTR-RX01BH</td>
<td>UTR-RX01CH</td>
</tr>
</tbody>
</table>

### Notes

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