



ACCESSORY CARD

VRF

CONTROLLERS / CONVERTERS / HARDWARE



Control System Overview

for VRF

To meet the diverse needs of customers, we offer a variety of control options for our VRF systems, such as individual control, centralized control, and building management system (BMS) options.

Air Conditioning Individual control



**Wired remote controller
(Design type)**
UTY-RVRY



**Wired remote controller
(with touch panel)**
UTY-RNRYZ5



Wired remote controller
UTY-RLRY



**Compact wired
remote controller**
UTY-RCRYZ1



Simple remote controller
UTY-RSRY
UTY-RHRY
Without operation mode



**Wireless
Remote Controller**
UTY-LNVY
UTY-LNHY



For Duct
type



For One-way flow
cassette Series/
3D-flow cassette
Series/duct type



for Circular flow
cassette Series

IR receiver unit

UTB-YWC for duct type

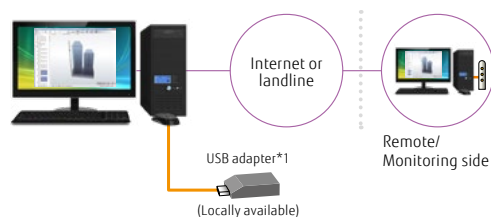
UTY-TRHX

for One-way flow cassette Series
3D flow cassette Series/duct type

UTY-LBHXD

for Circular flow cassette Series

Air Conditioning Centralized control



System controller **Software**
UTY-APGXZ1/UTY-ALGXZ1 (Lite version)

Up to
1600^{*2}
Indoor units

*1: Echelon® U10 USB Network Interface

*2: The Lite version controls up to 400 indoor units.



Touch panel controller
UTY-DTGYZ1

Remote/
Monitoring side

Up to
400
Indoor units



**Central remote
controller**
UTY-DCGYZ3

Up to
100
Indoor units



Converters/Adapters

For external control via BMS/Home Automation Systems

BACnet® gateway

UTY-ABGXZ1 **Software**



VTY-VBGX

Hardware



BACnet® interface for Indoor units

FG-IR-BMG1Z1



Network converter (For LONWORKS™)

UTY-VLGX



MODBUS® converter for Indoor units

UTY-VMSX



for VRF

UTY-VMGX



KNX® converter for Indoor units

UTY-VKSX



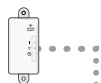
for VRF

UTY-VKGX



WLAN adapter

UTY-TFSXJ3 / UTY-TFSXZ1



External switch controller

UTY-TERX



Card-key
(Locally available)



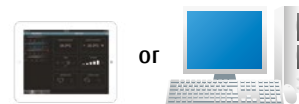
Internet device



BMS/BAS^{*3}



BMS^{*3}, Home automation system



^{*3}: BMS/BAS: Building Management System/Building Automation System

Converters/Adapters for system expansion

Network converter DC power supply type

UTY-VTGX



Single split

Network converter AC power supply type

UTY-VTGXV



Single split

Signal amplifier

UTY-VSGXZ1



Controller system list (available) for VRF

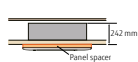
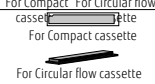
Controller Options:

Type	Refrigerant	Indoor unit									
		Cassette						Duct			
		One-way flow	3D flow	Compact Grid type/Standard type		Slim type	Large type	Low static pressure duct			
					High Efficiency	Circular flow	Mini (With drain pump)	Slim (With drain pump)			
										High Efficiency	
			AUXB 004/005/007/ 009/012/014/ 018HLAH	AUXN 009/012/014 HLAH				ARXD 004/005/007/ 009/012/014/ 018/024 HLAH	ARXP 009/012/014 HLAH		
	AUXV 004/007/009/ 012/014/018/ 024GLEH	AUXS 018/024 GLEH	AUXB 004/007/009/ 012/014/018/ 024GLEH		AUXM 018/024/030 GLEH	AUXK 018/024/030/ 034/036/045/ 054GLEH	ARXK 004/007/009/ 012/014/018/ 024GLGH	ARXD 04GALH	ARXD 007/009/012/ 014/018/024 GLEH		
Interfaces	BACnet® gateway		● UTY-ABGXZ1, UTY-VBGX								
			● FG-AC-BAC1Z1							● FG-AC-BAC1Z1	
			● FG-IR-BMG1Z1+ UTY-TRHX	● FG-IR-BMG1Z1	● FG-IR-BMG1Z1+ UTY-LBHXD		● FG-IR-BMG1Z1+ UTY-TRHX	● FG-IR-BMG1Z1+ UTB-YWC	● FG-IR-BMG1Z1+ UTY-TRHX		
	Network converter for LonWorks™		● UTY-VLGX								
	MODBUS® Converter		● UTY-VMSX							● UTY-VMSX	
			● UTY-VMGX FG-TL-MBS16Z1								
	MODBUS® interface	 	● FG-AC-MBS1Z1						● FG-RC-MBS1Z1	● FG-AC-MBS1Z1	
			● FG-IR-BMG1Z1+ UTY-TRHX	● FG-IR-BMG1Z1	● FG-IR-BMG1Z1+ UTY-LBHXD		● FG-IR-BMG1Z1+ UTY-TRHX	● FG-IR-BMG1Z1+ UTB-YWC	● FG-IR-BMG1Z1+ UTY-TRHX		
	KNX® converter		● UTY-VKSX							● UTY-VKSX	
			● UTY-VKGX FG-TL-KNX16Z1								
KNX® interface	 	● FG-AC-KNX1Z1						● FG-RC-KNX1Z1	● FG-AC-KNX1Z1		
		● FG-IR-KNX1Z1+ UTY-TRHX	● FG-IR-KNX1Z1	● FG-IR-KNX1Z1+ UTY-LBHXD		● FG-IR-KNX1Z1+ UTY-TRHX	● FG-IR-KNX1Z1+ UTB-YWC	● FG-IR-KNX1Z1+ UTY-TRHX			
WLAN adapter		● UTY-TFSXJ3 UTY-TFSXZ1						● UTY-TFSXJ3 UTY-TFSXZ1 (007-024)	● UTY-TFSXJ3 UTY-TFSXZ1		
	 	● FG-AC-WIF1Z1						● FG-RC-WIF1Z2	● FG-AC-WIF1Z1		
		● FG-IR-WIF1Z1+ UTY-TRHX	● FG-IR-WIF1Z1	● FG-IR-WIF1Z1+ UTY-LBHXD		● FG-IR-WIF1Z1+ UTY-TRHX	● FG-IR-WIF1Z1+ UTB-YWC	● FG-IR-WIF1Z1+ UTY-TRHX			
	 	● FG-AC-WMP1Z1						● FG-RC-WMP1Z1	● FG-AC-WMP1Z1		
		● FG-IR-WMP1Z1+ UTY-TRHX	● FG-IR-WMP1Z1	● FG-IR-WMP1Z1+ UTY-LBHXD		● FG-IR-WMP1Z1+ UTY-TRHX	● FG-IR-WMP1Z1+ UTB-YWC	● FG-IR-WMP1Z1+ UTY-TRHX			
External switch controller		● UTY-TERX									

Duct			Floor		Indoor unit		Wall-mounted					
Low static pressure duct	Medium static pressure	High static pressure	-	external EEV	Ceiling/ Floor	Ceiling	-	external EEV	-	external EEV	-	-
High Efficiency	Normal	Normal					ASYA 004/005/007/ 009/012/014 HCAH	ASYE 004/005/007/ 009/012/014 HCAH				
ARXP 018/030 GLFH	ARXA 024/030/ 036/045 GLEH	ARXC 036/045/060/ 072/090/096 GTEH	AGYA 004/007/ 009/012/014 GCGH	AGYE 004/007/ 009/012/014 GCEH	ABYA 012/014/ 018/024 GTEH	ABYA 030/036/ 045/054 GTEH	ASYA 004/007/009 GCGH	ASYE 004/007/009 GCEH	ASYA 012/014GCGH	ASYE 012/014GCEH	ASYA 18/24GBCH	ASYA 030/034GTEH
● UTY-ABGXZ1, UTY-VBGX												
● FG-AC-BAC1Z1										● FG-AC-BAC1Z1		
● FG-IR-BMG1Z1+ UTY-TRHX			● FG-IR-BMG1Z1									
● UTY-VLGX												
● UTY-VMSX										● UTY-VMSX		
● UTY-VMGX FG-TL-MBS16Z1												
● FG-AC-MBS1Z1									● FG-RC-MBS1Z1	● FG-AC-MBS1Z1		
● FG-IR-BMG1Z1+ UTY-TRHX			● FG-IR-BMG1Z1									
● UTY-VKSX										● UTY-VKSX		
● UTY-VKGX FG-TL-KNX16Z1												
● FG-AC-KNX1Z1									● FG-RC-KNX1Z1	● FG-AC-KNX1Z1		
● FG-IR-KNX1Z1+ UTY-TRHX			● FG-IR-KNX1Z1									
● UTY-TFSXJ3 UTY-TFSXZ1										● UTY-TFSXJ3 UTY-TFSXZ1		
● FG-AC-WIF1Z1									● FG-RC-WIF1Z2	● FG-AC-WIF1Z1		
● FG-IR-WIF1Z1+ UTY-TRHX			● FG-IR-WIF1Z1									
● FG-AC-WMP1Z1									● FG-AC-WMP1Z1	● FG-AC-WMP1Z1		
● FG-IR-WMP1Z1+ UTY-TRHX			● FG-IR-WMP1Z1									
● UTY-TERX												

*1: For compatibility of the new WLAN adapters with the indoor units which are not listed in this catalogue, please refer to page C-021.

Optional parts list for VRF

Type	Refrigerant	Indoor unit									
		Cassette						Duct			
		One-way flow	3D flow	Compact grid type/ Standard type		Slim type	Large type	Low static pressure duct			
					High Efficiency	Circular flow		Mini (With drain pump)	Slim (With drain pump)		
				AUXB 004/005/007/ 009/012/014/ 018HLAH	AUXN 009/012/014 HLAH					ARXD 004/005/007/ 009/012/014/ 018/024 HLAH	ARXP 009/012/014 HLAH
		AUXV 004/007/009/ 012/014/018/ 024GLEH	AUXS 018/024GLEH	AUXB 004/007/009/ 012/014/018/ 024GLEH		AUXM 018/024/030 GLEH	AUXK 018/024/030/ 034/036/045/ 054GLEH	ARXK 004/007/009/ 012/014/018/ 024GLGH	ARXD 04GALH	ARXD 007/009/012/ 014/018/024 GLEH	
Human sensor kit						● UTY-SHZXC					
Remote sensor unit		● UTY-XSZXZ1									
Cassette grille		● UTG-UNYA-W (004-012) UTG-UNYB-W (014-024)	● UTG-USYA-W	● UTG-UFYE-W UTG-UFYC-W UTG-UFYH-W (HLAH)	● UTG-UFYH-W	● UTG-UKYC-W UTG-UKYA-B					
Auto louver grille kit								● UTD-GXTA-W (4-14), UTD-GXTB-W (18), UTD-GXTC-W (24)			
Silver ion filter				● UTD-HFAA		● UTD-HFRA		● UTD-HFTA (004-014) UTD-HFTB (018) UTD-HFTC (024)	● UTD-HFTA	● UTD-HFTA (007-014) UTD-HFTB (018) UTD-HFTC (024)	
Long-life filter											
Flange											
Drain Pump Unit											
Wide Panel						● UTG-AKXA-W					
Panel spacer						● UTG-BKXA-W					
Fresh air intake kit*1				● UTZ-VXAA		● UTZ-VXRA					
Air outlet shutter plate:				● UTR-YDZB		● UTR-YDZK					
Insulation kit for high humidity				● UTZ-KXGC		● UTZ-KXRA					
Half concealed kit											
External power supply unit		● UTZ-GXXA UTZ-GXXC		● UTZ-GXXA UTZ-GXXC UTZ-GXXD (HLAH)	● UTZ-GXXD	● UTZ-GXXA UTZ-GXXC			● UTZ-GXXA UTZ-GXXC UTZ-GXXD (HLAH)	● UTZ-GXXD	
Pressure sensor kit											
Gas sensor kit				● UTY-SGZY (HLAH)	● UTY-SGZY					● UTY-SGZY (HLAH)	● UTY-SGZY

Indoor unit												
Duct				Floor		Floor/Ceiling	Ceiling	Wall-mounted				V-IV Series
Low static pressure duct	Medium static pressure	High static pressure		-	external EEV			-	external EEV	-	-	
High Efficiency	Normal	Normal										
								ASYA 004/005/007/ 009/012/014 HCAH	ASYE 004/005/007/ 009/012/014 HCAH			
ARXP 018/030 GLFH	ARXA 024/030/ 036/045 GLEH	ARXC 036/045/060 GTEH	ARXC 072/090/096 GTEH	AGYA 004/007/ 009/012/014 GCGH	AGYE 004/007/ 009/012/014 GCEH	ABYA 012/014/ 018/024 GTEH	ABYA 030/036/ 045/054 GTEH	ASYA 004/007/009 012/014 GCGH	ASYE 004/007/009 012/014 GCEH	ASYA 18/24GBCH	ASYA 030/034GTEH	AJY 072/090/108/ 126/144/162 LALDH
● UTY-XSZXZ1								● UTY-XSZXZ1				
	● UTD-HFND	● UTD-HFKB		● UTR-FA03-5				● UTR-FA16-5		● UTR-FA13-3		
	● UTD-LF25NA	● UTD-LF60KA										
	● UTD-SF045T UTD-RF204						● UTD-RF204					
	● UTZ-PX1NBA						● UTR-DPB24T					

Function list for VRF

External input and output function/External connect kit

Type	Refrigerant	Indoor unit														
		Cassette							Duct						Floor	
		One-way flow	3D flow	Compact grid type/ Standard type		Slim type	Large type	Low static pressure			Low static pressure	Medium static pressure	High static pressure	-	EEV external	
						Circular flow		Mini (With drain pump)	Slim (With drain pump)							
				High Efficiency					High Efficiency	High Efficiency	Normal	Normal				
				AUXB 004/005/007/ 009/012/014/ 018HLAH	AUXN 009/012/014 HLAH				ARXD 004/005/007/ 009/012/014/ 018/024 HLAH	ARXP 009/012/014 HLAH						
		AUXV 004/007/009/ 012/014/018/ 024GLEH	AUXS 018/024 GLEH	AUXB 004/007/009/ 012/014/018/ 024GLEH		AUXM 018/024/030 GLEH	AUXK 018/024/030/ 034/036/045/ 054GLEH	ARXK 004/007/009/ 012/014/018/ 024GLEH	ARXD 007/009/012/ 014/018/024 GLEH, ARXD 04GALH		ARXP 018/030 GLFH	ARXA 024/030/ 036/045 GLEH	ARXC 036/045/060 072/090/096 GTEH	AGYA 004/007/ 009/012/014 GCGH	AGYE 004/007/ 009/012/014 GCEH	
Input	Operation/Stop		● UTY-XWZXZD ○ UTY-XWZXZB													
	All On/All Off															
	Group stop															
	Forced stop		● UTY-XWZXZD ○ UTY-XWZXZB													
	Emergency stop		● UTY-XWZXZD ○ UTY-XWZXZB													
	Forced thermostat off		● UTY-XWZXZE ○ UTY-XWZXZ7													
	Low noise mode operation															
	Cooling/ Heating priority															
	Outdoor unit operation peak control															
	Power usage information from electricity meter															
Output	Operation status		● UTY-XWZXZC													
	Error status		● UTY-XWZXZC													
	Indoor unit fan operation status		● UTY-XWZXZC													
	Auxiliary heater output								● UTY-XWZXZC							
	Base pan heater															
Other	Expansion kit				●UTZ-JXXA+ UTY-XWZXZL (HLAH)					●UTZ-JXXA+ UTY-XWZXZL (HLAH)						

Indoor unit						Outdoor unit						controller	Other
Floor/Ceiling		Wall-mounted				J-VS	J-IVL	J-IV	J-IVS	V-IV	VR-IV	Central remote controller	RB unit
			EEV external										
		ASVA 004/005/007/ 009/012/014 HCAH	ASVE 004/005/007/ 009/012/014 HCAH			AJY 040/045/054 KCTAH							
ABYA 012/014/018/ 024GTEH	ABYA 030/036/045/ 054GTEH	ASVA 004/007/009 012/014 GCGH	ASVE 004/007/009 012/014 GCEH	ASVA 18/24GBCH	ASVA 030/034GTEH		AJY 072/090/108/ 126/144/162 LELDH	AJY 040/045/054 LBLDH, AJY 040/045/054 LELDH	AJY 040/045/054 LCLDH	AJY 072/090/108/ 126/144/162 LALDH	AJY 072/090/108/ 126/144/ GALDH	UTY-DCGYZ3	UTP-RX01AH UTP-RX01BH UTP-RX01CH UTP-RX04BH UTP-RX08AH UTP-RX12AH
● UTY-XWZXZD ○ UTY-XWZXZB													
												●UTY-XWZXZ7 ○UTY-XWZXZ8	
						● UTY-XWZXZ6							
● UTY-XWZXZD ○ UTY-XWZXZB													
● UTY-XWZXZD ○ UTY-XWZXZB						● UTY-XWZXZ6						●UTY-XWZXZ7 ○UTY-XWZXZ8	
● UTY-XWZXZE ○ UTY-XWZXZ7													
						● UTY-XWZXZ6							
						● UTY-XWZXZ6							●UTY-XWZXZ6 ○UTY-XWZXZ8
						● UTY-XWZXZ6							
						● UTY-XWZXZF							
● UTY-XWZXZC						○ UTY-XWZXZ6						○UTY- XWZXZA	
● UTY-XWZXZC						○ UTY-XWZXZ6						○UTY- XWZXZA	
● UTY-XWZXZC													
						● UTY-XWZXZ9				● UTY-XWZXZ9			
		●UTZ-JXXA+ UTY-XWZXZL (HCAH)											

●: Dry Contact ○: Apply Voltage

For outdoor unit

UTY-XWZXZ6 

UTY-XWZXZ9 

UTY-XWZXZF 

For RB unit

UTY-XWZXZ6 

UTY-XWZXZB 

Central remote controller

UTY-XWZXZ7 

UTY-XWZXZ8 

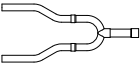
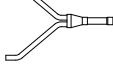
UTY-XWZXZA 

For Touch panel controller

UTY-XWZXZA 

Separation tube

for VRF

Separation tube			
UTP-AX054A Gas pipe  Liquid pipe 	UTP-AX090A Gas pipe  Liquid pipe 	UTP-AX180A Gas pipe  Liquid pipe 	UTP-AX567A Gas pipe  Liquid pipe 
UTP-BX090A Suction Gas pipe  Discharge Gas pipe  Liquid pipe 	UTP-BX180A Suction Gas pipe  Discharge Gas pipe  Liquid pipe 	UTP-BX567A Suction Gas pipe  Discharge Gas pipe  Liquid pipe 	UTP-LX180A For DX kit 
Header			
UTR-H0906L / UTR-H1806L Gas pipe  Liquid pipe 	UTR-H0908L / UTR-H1808L Gas pipe  Liquid pipe 	UTP-J0906A / UTP-J1806A Suction gas pipe  Discharge gas pipe  Liquid pipe 	UTP-J0908A / UTP-J1808A Suction gas pipe  Discharge gas pipe  Liquid pipe 
Outdoor unit branch kit		Separation tube for RB unit	
UTP-CX567A Gas Pipe  Liquid Pipe 	UTP-DX567A Suction Gas Pipe  Discharge Gas Pipe  Liquid Pipe 	UTP-EX060A Gas Pipe  Liquid Pipe 	UTP-EX096A Gas Pipe  Liquid Pipe 

for VRF

EV kit		Shut off valve kit	
Model name ≤ 09 : UTR-EV09XB Model name ≥ 12 : UTR-EV14XB for compact wall-mounted type	NEW Model name ≤ 09 : UTR-EV09XC Model name ≤ 12 : UTR-EV14XC for R32 VRF wall-mounted type	NEW UTP-GX027A for R32 VRF indoor unit	NEW UTP-GX060A for R32 VRF outdoor unit
			

RB unit			
UTP-RX01AH / UTP-RX01BH / UTP-RX01CH Single type	UTP-RX04BH Multi-split type	UTP-RX08AH Multi-split type	UTP-RX12AH Multi-split type
			

Specifications

Separation tube

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

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

Header

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

Outdoor unit branch kit

Model name	UTP-CX567A (for V-IV)	UTP-DX567A (for VR-IV)
Number of outdoor units	2 outdoor units	1
	3 outdoor units	2

EV kit

Model name	UTR-EV09XB		UTR-EV14XB		UTR-EV09XC	UTR-EV14XC
Application model	ASYE004GCEH ASYE007GCEH ASYE009GCEH	AGYE004GCEH AGYE007GCEH AGYE009GCEH	ASYE012GCEH ASYE014GCEH	AGYE012GCEH AGYE014GCEH	ASYE004HCAH ASYE005HCAH ASYE007HCAH ASYE009HCAH	ASYE012HCAH ASYE014HCAH

RB unit

Type		Single type			Multi-split type		
Model name		UTP-RX01AH	UTP-RX01BH	UTP-RX01CH	UTP-RX04BH	UTP-RX08AH	UTP-RX12AH
Power source	V/Ø/Hz	230/1/50					
Input power	W	17	24	31	96	136	204
Number of branches		1	1	1	4	8	12
Maximum capacity of connectable indoor units (Q)	kW	Q ≤ 8.0	Q ≤ 18.0	Q ≤ 28.0	Q ≤ 56.1* ¹	Q ≤ 72.0	Q ≤ 95.0
Maximum capacity of connectable indoor units per branch (Q)	kW	Q ≤ 8.0	Q ≤ 18.0	Q ≤ 28.0	Q ≤ 18.0	Q ≤ 8.0	Q ≤ 8.0
Maximum Connectable Indoor Units per Branch		3	8	8	8	7	7
Dimensions (H × W × D)	mm	198 × 298 × 268			260 × 658 × 428	298 × 660 × 618	298 × 990 × 618
*When two BP units are connected in series (8 branches in total), the maximum capacity of the connectable indoor units is up to 56.1 kW.							

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

Shut off valve kit

Model name	UTP-GX027A	UTP-GX060A
Power source	V/Ø/Hz	230/1/50
Input power	W	24
Number of branches		1
Maximum number of connectable Expansion kit	kW	4
Maximum capacity of connectable indoor units (Q)	kW	$Q \leq 8.0$
Maximum capacity of Connectable Indoor Units per Branch (Q)	kW	$Q \leq 8.0$
Dimensions (H × W × D)	mm	250 × 540 × 267



**WE
CARE
ABOUT
AIR**