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Warning ⚠️
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorized parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

Specifications, designs and other content appearing in this brochure are current as of April 2011 but subject to change without notice.

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HA
Home **A**utomation

INTERFACE ADAPTOR   DTA116A51
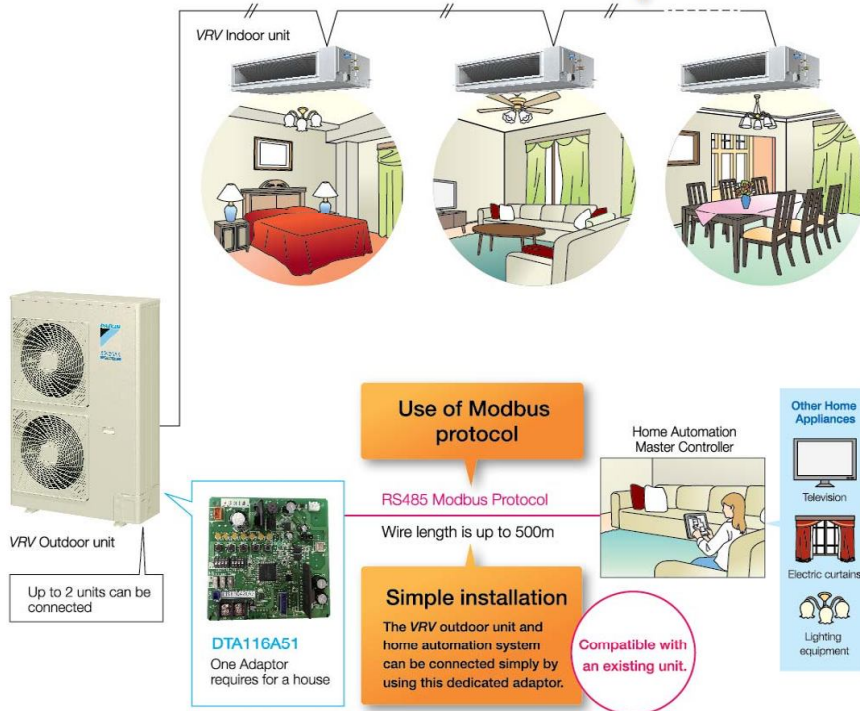
Connects *VRV* system to home automation system

The *VRV* system can be operated from the home automation system.

Use of the Modbus protocol enables the connection of the *VRV* system with a variety of home automation systems from other manufacturers.

Image to use Home Automation Interface Adaptor DTA116A51

Up to 16 indoor units can be individually controlled.

VRV Indoor unit

VRV Outdoor unit

Up to 2 units can be connected

DTA116A51
One Adaptor requires for a house

Use of Modbus protocol

Home Automation Master Controller

RS485 Modbus Protocol
Wire length is up to 500m

Simple installation
The *VRV* outdoor unit and home automation system can be connected simply by using this dedicated adaptor.

Compatible with an existing unit.

Other Home Appliances
Television
Electric curtains
Lighting equipment

Specifications of DTA116A51

Connection	DⅢ-NET (F1F2)
Protocol	Modbus (RS485)
Connectable indoor units	Up to 16 *VRV* indoor units
Connectable outdoor units	Up to 2 *VRV* outdoor units
Installation place	Outdoor unit
Power supply	Supply from outdoor unit PCB

Communication specifications

Communication protocol	Modbus RTU
Communication speed	9600/19200bps
Stop bit	1/2bit
Parity	odd/even/none
Data length	8bit
Modbus address range	1 to 15

Compatible models

Type			Model name
VRV Ⅲ	Heat Pump	50Hz	RXYQ-PAY1(E)
			RXYQ-PAYC(F)
		60Hz	RXYQ-PAYL(E)
			RXYQ-PTL(E)
			RXYQ-PYLT(E)
			RXYQ-PTLT(E)
			RHXYQ-SYL
	Cooling Only	50Hz	RXQ-PAY1
VRV Ⅲ-S	Heat Pump	50/60Hz	RXYMQ-PVE
		50Hz	RXYMQ-PV4A
		60Hz	RXYMQ-PVET
	Cooling Only	50/60Hz	RXMQ-PVE
VRV Ⅲ-Q	Heat Recovery	50Hz	RQCEQ-PY1

＊Models other than those above require a separate power supply for DTA116A51.

Functions

● Monitor

On/Off	On/Off status of indoor units
Operation mode	Cooling, Heating, Fan, Dry, Auto (depend on indoor unit capability)
Setpoint	Setpoint of indoor units
Room temperature	Suction temperature of indoor units
Fan direction	Swing, Flap direction (depend on indoor unit capability)
Fan volume	L, M, H (depend on indoor unit capability)
Forced off status	Forced off status of indoor units
Error	Malfunction, Warning with Error code
Filter sign	Filter sign of indoor units
Communication status	Communication normal/error of indoor units

● Control

On/Off	On/Off control of indoor units
Operation mode	Cooling, Heating, Fan, Dry, Auto (depend on indoor unit capability)
Setpoint	Cooling/Heating setpoint
Fan direction	Swing, Stop, Flap direction (depend on indoor unit capability)
Fan volume	L, M, H (depend on indoor unit capability)
Filter sign reset	Reset filter sign of indoor units

● Retrieve system information

Connected indoor units	DⅢ-NET address of connected indoor units can be retrieved.
Indoor unit capabilities	Indoor unit capabilities such as operation mode, fan control, setpoint HV can be retrieved.

Operating conditions

Power supply	DV16V (+10% , -5%)
Operating temperature limit	-20 to 65℃
Operating humidity limit	0 to 95% Non Condensing
Storage temperature range	-25 to 75℃
Mass	Approximately 80g
Dimensions	100 × 100mm

★ Modbus is a registered trademark of Schneider Electric S.A.