



Air Conditioners

Technical Data



Parallel Interface



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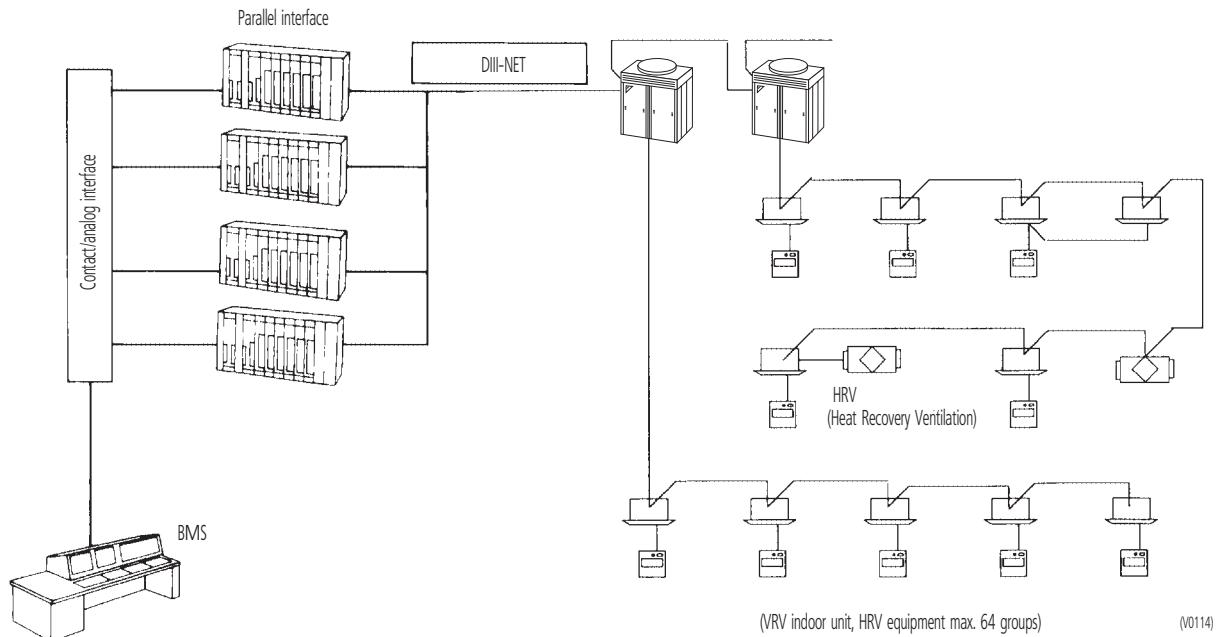
Parallel Interface

TABLE OF CONTENTS

1	System outline	2
2	Parallel interface outline	2
3	Connection Functions with Host System	2

1 System outline

You can easily connect to the host systems such as a building management system, various control systems, tenant management system, etc. to VRV® system.



2 Parallel interface outline

- On/off command, status monitoring (contact signal) and room temperature setting, indoor unit suction temperature measurement (analog signal), filter-sign monitoring and Unified operation (off) can be carried out by host system.
- You can designate whether operation by local remote control will be accepted or rejected for each parallel interface. (You may select from among central priority, last command priority and remote control operation rejection.)
- On/off command, status monitoring and room temperature setting can be set for 16 groups individually.
- Suction temperature measurement only is selected for any of 4 groups out of 16 groups.
- Units can be increased by units of 16 groups each within the same centralised control system, and 64 groups can be controlled when a maximum of 4 units are connected.

3 Connection Functions with Host System

The functions when connected with a host system via parallel interface are given below.

Function	Host system	Data direction	Parallel interface processing
Operation / setting	On/Off operation	→	On/off command is detected and sent to applicable group of indoor units.
	Forced off operation	→	Off command is detected and all the indoor units on the same line are turned off.
	Temperature setting control	→	Alteration of the temperature setting is detected, and if within the range of 1.6 to 3.2V, the command is sent to applicable group of indoor units. Setting by local remote control or centralised remote control is impossible when in this range only. ("Central Control" is displayed on the local remote control.)
Monitoring	On/off status (Note 1)	←	Present status is output when change in group status is detected.
	Normal/error status (Note 1)	←	Present status is output when change in group status is detected.
	Filter sign	←	Present status is output when at least 1 group among the control target groups is lit.
	Indoor unit suction temperature	←	Measurement value of suction air temperature is constantly output. If there is a slave unit, the measurement value for the master unit is output.

NOTE

1 The various output conditions are as follows:

- On: At least 1 air-conditioner in the group is operating.
- Off: All air-conditioners in the group are turned off.

- Error: An error has occurred for at least 1 air-conditioner in the group.
- Normal: All air-conditioners in the group are operating normally.



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.

VRV® products are not within the scope of the Eurovent certification programme.



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