Transistor Inverter

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Operation





The "turn-and-push" setting dial makes setup easily.

The large setting dial at the center of the front panel allows you to set the parameters easily. Just turn the setting dial until you get the right parameter and push the setting dial to select.

You can also use the setting dial to set the reference frequency.

The RUN and STOP keys allow to operate easily.

You can operate the inverter with the RUN and STOP keys on the front panel. The front cover may be closed to conceal the other keys to avoid accidental key pressing.

The Extension panel option allows to operate the VF-nC3 in front of the cabinet.

An extension panel option installed on the surface of the cabinet can operate the VF-nC3 in front of the cabinet.

It is possible to monitor the output frequency on the VF-nC3 and the output current on the extension panel option (RKP007Z). It is possible to use it as a digital meter.

*The extension panel option is connected to the inverter with the optional cable. In the extension panel option, there is no setting dial





Extension panel option < RKP007Z>



Simple Set Up

Easy to set parameters

1 Showing most frequently used parameters in easy mode. EASY key allows you switch between Easy mode and Standard mode.

> Easy mode: Scrolls through a list of only seven parameters. You can optionally add up to 24 parameters to the list.

Standard mode: Rotates through all parameters.

- Q Guides you step by step through parameters you need to set up. Since the guidance feature shows one parameter at a time according to the selected function, you can interactively edit its value. Auto-guidance function is available with motor parameter setup, preset speed selection and analog signal control, etc.
- 8 Searching for a history of changes in history function. History function makes change of parameter setting easily when some parameters are repeatedly set by the trial run and the adjustment, etc... History function automatically searches for 5 latest parameters that are set with different values from the standard default setting.
- Searching and resetting of changed parameters. User parameter group, [], automatically seaches for only those parameters that are set with different values from the standard default setting and

This function makes the parameter setting check and resetting easily.

Built-in RS485 communication

Built-in RS485 communication enable to control the inverter and build network.

- O Communication rate: 38.4 kbps max.
- O Compatible with the Modbus RTU and Toshiba protocols.

You can connect a PC to manage parameters and monitor operating conditions.

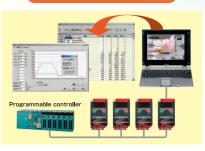
EASY Key





Standard mode

Communication Network



located on the bottom of the VF-nC3.

Simple Installation

The vertically oriented main circuit terminal block allows easy wiring.

Like power distribution devices, the main circuit terminal block of the VF-nC3 is vertically oriented to make wiring easy and minimize tangles of cable.

Side-by-side installation for space-saving

Generally, inverters must be placed in consideration of radiation of heat. The VF-nC3 can be placed side by side with no gap, saving inside of control panel space.*1

The covers for the main circuit terminal block ensure safety.

You can remove the covers for the main circuit terminal block with a screwdriver. Since the covers can be attached after the wiring of the main circuit terminal block, the VF-nC3 can be installed easily and safely.

*1:Necessary to reduce output current on some conditions.





Models and Applicable Motors

Voltage	Applicable Motor Capacity (kW)						
(Input / Rated Output)	0.1	0.2	0.4	0.75	1.5	2.2	4.0
3ph-240V/3ph-240V							
1ph-240V/3ph-240V							
1ph-120V/3ph-240V							

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