



# **TOSHIBA**

## Toshiba RKP004Z-0 Instruction Manual

Lcd remote keypad



1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17

Table Of Contents

18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32

--

---

•

[Table of Contents](#)

•

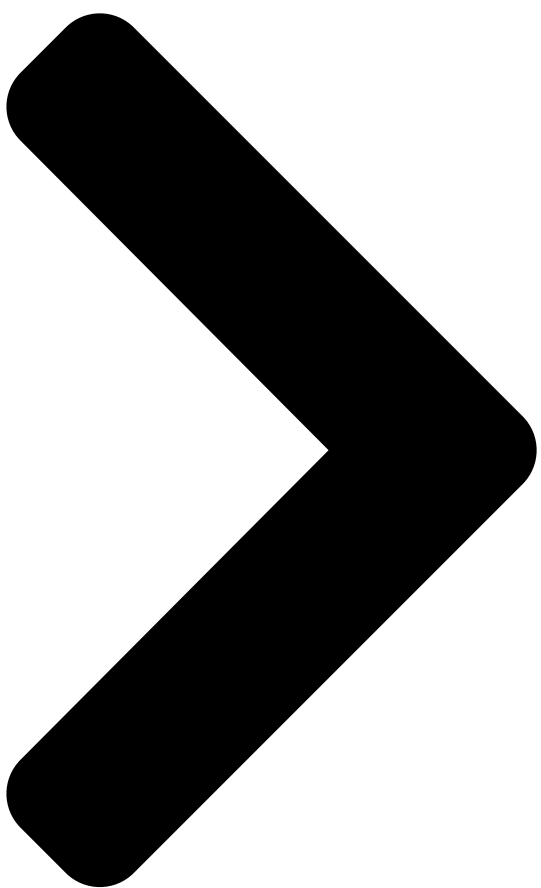
Bookmarks

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# LCD Remote Keypad

**TOSHIBA**

1. Please see to it that this instruction manual reaches the actual user of the LCD remote keypad without fail.
2. Be sure to read this instruction manual carefully before installing and using the LCD remote keypad. After reading the manual, be sure to store it.

## Instruction Manual

**RKP004Z-0**

Notice

E6581323

## [Table of Contents](#)

[Next Page](#)

1  
2  
3  
4  
5

## Related Manuals for Toshiba RKP004Z-0

## Keypad Toshiba RKP004Z Instruction Manual

Toshiba lcd remote keypad instruction manual (36 pages)

## Keypad Toshiba RKP004Z Instruction Manual

Lcd remote keypad (41 pages)

## Keypad Toshiba RKP002Z Instruction Manual

Toshiba power supply instruction manual (21 pages)

## Keypad Toshiba TOSVERT VF Series Instruction Manual

Remote keypad (21 pages)

[Keypad Toshiba RKP007Z User Manual](#)

Option (2 pages)

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## Remote keypad option (2 pages)

[Keypad Toshiba RKP007Z User Manual](#)

Option (2 pages)

[Keypad Toshiba RKP007Z User Manual](#)

Option (2 pages)

# Keypad Toshiba Compliant Manager BMS-CM1280TLE Installation Manual

Compliant manager bms-cm1280tle (24 pages)

## Summary of Contents for Toshiba RKP004Z-0

**Page 1** E6581323 LCD Remote Keypad Instruction Manual RKP004Z-0 Notice 1. Please see to it that this instruction manual reaches the actual user of the LCD remote keypad without fail. 2. Be sure to read this instruction manual carefully before installing and using the LCD remote...

**Page 3** Introduction Introduction Thank you for purchasing a LCD remote keypad (RKP004Z-0) designed specifically for Toshiba VF-AS1 series industrial inverters. The use of this LCD remote keypad (also referred to as the unit, the product and the remote keypad) equipped with a high-resolution liquid crystal display with back lighting makes it easier to set parameters or monitor the operation.

**Page 4** Introduction Optional products The products listed below are optionally available. Purchase these cables and attachments separately. Product Model number Product Model number CAB0071 CNT001Z (1m) Interconnect cable Connector CAB0073 SBP006Z (3m) Interconnect cable IP54 attachment CAB0075 SBP007Z (5m) Interconnect cable IP65 attachment You can install the LCD remote keypad to the inverter or operate the inverter by remote control combining optional products.

**Page 5** 7. • ó ' Ô f, f j f ^ f, • [ f h, Å, ì ' € • ì Safety precautions This section provides important information that the user must always keep in mind when using the product in order to avoid personal injury and damage to property.

**Page 6** Safety precautions Operations • @ • @ Danger ● Do not touch switches when the hands are wet and do not try to clean the inverter with a damp cloth. Such practices may result in electric shock. Prohibited Disposal • @ • @ Warning ●...

Page 7: Table Of Contents

Contents 1. Names and functions 2.

Installing the LCD remote keypad 2. 1 Installing the remote keypad to the inverter board (optional) 2. 2 Installing the remote keypad to the board (optional) 2. 3 Remote control (optional) 3. Setting to be made when turning on the unit for the first time 4.

## [Page 8: Names And Functions](#)

1. Names and functions 1. Names and functions A B C D @ H E G F I @ LCD panel For an explanation of windows displayed, see the next page.

[Page 9](#) 1. Names and functions In a value setting window, turn the dial clockwise or counterclockwise to increment or decrement the value displayed, and press the dial to confirm the value specified. Turn the dial clockwise (+) to increment the value. Turn the dial counterclockwise (-) to decrement the value.

[Page 10](#) 1. Names and functions • ; About the change of parameter settings By default, the inverter is set with parameters to the mode in which it controls the operation of the machine via a terminal board. Moreover, the inverter is set so that the switching between forward run and reverse run cannot be performed using its operation panel.

## [Page 11: Installing The Lcd Remote Keypad](#)

2. Installing the LCD remote keypad 2. Installing the LCD remote keypad The LCD remote keypad can be installed on the inverter and on the board (optional). Using the unit along with a dedicated interconnect cable makes it possible to operate the inverter by remote control (optional).

## [Page 12: Installing The Remote Keypad To The Board \(Optional\)](#)

2. Installing the LCD remote keypad 2.2 Installing the remote keypad to the board (optional) The remote keypad can be mounted on a board by means of an IP54 attachment (optional). If an IP65 attachment (optional) is used in combination with an IP54 attachment, the remote keypad can be installed where it may be splashed with water.

## [Page 13: Remote Control \(Optional\)](#)

2. Installing the LCD remote keypad 2.2 Remote control (optional) Connecting the remote keypad to the inverter unit with a dedicated interconnect cable and a connector (optional) makes it possible to operate the inverter from a distant point up to 5m from it. •...

## [Page 14: Setting To Be Made When Turning On The Unit For The First Time](#)

4. • W • € f , f j f ^ f , • [ f h , Å , ì ' € • ì 3. Setting to be made when turning on the unit for the first time When the unit is turned on for the first time after purchase, the Language Selection window shown below appears on the LCD panel.

## [Page 15: About Available Modes](#)

5. • W • € f , f j f ^ f , • [ f h 4. About available modes The LCD remote keypad offers the following three modes, just as with the inverter's main operation panel. (1) Top View Mode When the remote keypad is turned on, it enters this mode first.

## [Page 16: Operation In Top View Mode](#)

5. Operation in Top View Mode 5. Operation in Top View Mode When the remote keypad is turned on, it enters this mode first, which allows you to monitor the operating status, set an operation frequency, use a function key as the EASY key, and switch between languages.

## [Page 17: Using An Easy Key Function](#)

5. Operation in Top View Mode After selecting the position of a figure you want Basic Parameters to change, specify/confirm another figure with the control dial. Panel frequency (In this example, a frequency of 30.0Hz is Output frequency specified.) 30.0Hz Functions of function keys min=0.0 max=60.0...

## [Page 18: Selecting A Language To Be Displayed](#)

5. Operation in Top View Mode Quick (1) If the [F1] key is pressed when “•@•@ •@ • @ ” is displayed in reverse video, “Quick” is switched from reverse to normal video. (If the [F1] key is pressed.) (2) When the unit enters Parameter Setup Mode in this situation, the ordinary top window of Parameter Setup Mode appears.

## [Page 19: Performing Jog Run](#)

5. Operation in Top View Mode 5.4 Performing jog run When Panel Jog Run is selected (parameter F262=1, CM0d=1), “JOG” is displayed in the lower right corner of the window. When “JOG” is displayed, jog run can be performed using the [F4] key. The switching to jog run cannot be performed during operation.

[Page 20](#) 5. Operation in Top View Mode Then press the [STOP/RESET] key again. Top View Mode The Trip window appears and the blinking code Fwd 60.0 Hz Trip “CLr” is displayed in it. Trip reset? (STOP-Key) Quick Last of all, press the [STOP/RESET] key once again to reset the inverter.

## [Page 21: Operation In Parameter Setup Mode](#)

6. Operation in Parameter Setup Mode 6. Operation in Parameter Setup Mode In this mode, you can set basic parameters and extended parameters. This mode also allows you to use the history function (inverter's parameter ) and the changed parameter search function (inverter's parameter ) easily by simply selecting the desired function from a menu.

## [Page 22: Setting A Basic Parameter](#)

6. Operation in Parameter Setup Mode 6.2 Setting a basic parameter When Quick mode is selected using the EASY key function, skip step 1. Go straight to step 2. Select/confirm “Basic parameters” using the Parameter Setup Mode control dial. Basic Parameters The Basic Parameters window appears.

## [Page 23: Setting An Extended Parameter](#)

6. Operation in Parameter Setup Mode Using the control dial, select/confirm the ● If the setting selected is setting you want to change by selecting a changed by selecting a menu item menu item or specifying a value. (In this example, “Panel / LCD-option” is Basic Parameters selected and confirmed or a frequency of CM0d...

## [Page 24: Searching For Parameters Whose Settings Were Changed \(Search For Changed Settings\)](#)

6. Operation in Parameter Setup Mode 6.4 Searching for parameters whose settings were changed (Search for changed settings) The remote keypad is capable of displaying parameters whose current settings are different from their default settings, and their current settings. Select/confirm “Changed Parameters” using Parameter Setup Mode the control dial.

## [Page 25: Operation In Status Monitor Mode](#)

7. Operation in Status Monitor mode 7. Operation in Status Monitor Mode In this mode, you can monitor various kinds of statuses and information, such as the operating status of the inverter, information on the terminal board, and trip information. Status Monitor Mode Real-time information Functions of function keys...

## [Page 26: Displaying Details Of An Item Monitored](#)

7. Operation in Status Monitor Mode 7. 1 Displaying details of an item monitored Select/confirm the desired item using the Status Monitor Mode control dial. Output current (Ex. Select/confirm “Output current”) The monitor window of the item selected appears. \* Depending on the item selected, no monitor window may be displayed.

## [Page 27: Before Making A Service Call](#)

8. Before making a service call 8. Before making a service call If a problem occurs, follow the instructions in this table to track down and eliminate the cause of the problem. Problems Possible causes Remedies Nothing is displayed on the •...

## [Page 28: Specifications](#)

7. • 6 ' Ô f , f j f ^ f , • [ f h , Å , ì ' € • ì 9. Specifications Item Specifications Model number  
RKP004Z Applicable model VF-AS1 inverter unit Communication Baud rate: 19200 bps setting  
Communication type: 2-wire RS485 Use environments...

## [Page 29: Warranty](#)

1. If the product breaks down within one year after delivery, although it is installed and handled properly, and if the breakdown is undoubtedly attributable to a defect in designing or manufacturing by Toshiba, the product shall be repaired free of charge. 2. This warranty applies only to the main unit of the product supplied.

## [Page 32](#) □□□□□□□□...