





## Toshiba RS4001Z-0 Instruction Manual

Rs485 converter unit



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For checking the version number of the CPU, refer to the "Monitor" paragraph in the instruction manual of the inverter.

1. Make sure that this instruction manual is delivered to the end user of the RS485 converter unit.
2. Read this manual before installing or operating the RS485 Converter unit. And keep it in a safe place for reference.

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## Related Manuals for Toshiba RS4001Z-0

### [Media Converter Toshiba RS-485 Installation Manual](#)

Usb to rs-485 converter port verification (8 pages)

### [Media Converter Toshiba RS4002Z-0 Instruction Manual](#)

Rs485 converter unit (14 pages)

### [Media Converter Toshiba TOSVERT VF-AS3 Instruction Manual](#)

(32 pages)

### [Media Converter Toshiba LF620 Instruction Manual](#)

Electromagnetic flowmeter converter (160 pages)

### [Toshiba VEC008Z - Digital Encoder Manual](#)

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### [Media Converter Toshiba TOSVERT VF-S15 Series Manual](#)

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### [Media Converter Toshiba VEC008Z Installation Manual](#)

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Rs485 communication function (20 pages)

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Usb-to-serial conversion unit (8 pages)

### [Media Converter Toshiba TOSVERT VF-nC3 Instruction Manual](#)

(66 pages)

### [Media Converter Toshiba USB001Z Instruction Manual](#)

Toshiba usb-to-serial conversion unit instruction manual (17 pages)

### [Media Converter Toshiba L5232 Instruction Manual](#)

Electromagnetic flowmeter converter (174 pages)

## Summary of Contents for Toshiba RS4001Z-0

### [Page 1: Table Of Contents](#)

1. Make sure that this instruction manual is delivered to the end user of the RS485 converter unit. 2. Read this manual before installing or operating the RS485 Converter unit. And keep it in a safe place for reference. (C)TOSHIBA CORPORATION 1998 All Rights Reserved.

[Page 2](#) E6580718 Introduction Thank you for purchasing the "RS485 Converter Option Unit(RS4001Z)" for TOSVERT series inverter. Read the safety precautions in the "Inverter Instruction Manual" before powering up your inverter. Using this RS485 Option Unit, a communication between the inverter, which has the common serial option (communication) connector, and a host computer is available.

[Page 3](#) E6580718 Carefully read the following notes Safety precautions On the inverter and in its instruction manual, important information is contained for preventing injuries to users and damages to assets and for proper use of the device. Read the instruction manual attached to the inverter along with this instruction manual for completely understanding the safety

precautions and adhere to the contents of these manuals.

[Page 4](#) E6580718 About operation ■ ■ ■ ■ Danger ▼ Do not wipe the body with a wet cloth. It could lead to electric shocks. Prohibited ▼ Do not pull on the cable It could cause damage or error. About disposal of the product ■...

### [Page 5: Overview](#)

E6580718 1. Overview By using RS485 Converter Unit, a network can be constructed that allows communication between a host computer and multiple inverter units. A maximum of 32 Option Units can be connected on the same network. And two inverters can be connected to one RS485 Converter Unit. A maximum of 64 inverters can be connected on the same network.

### [Page 6: Names And Functions Of Main Parts](#)

E6580718 3. Names and functions of main parts RXA, RXB Switch for communication speed ■ Receiving Terminal Signal common terminal & Termination resistor setting (Note) Set the switch before power on TXA, TXB (Back side of the UNIT) Transmitting terminal OFF(OPEN) SHIELD Shield terminal...

### [Page 7: Connection And Start-Up](#)

E6580718 4. Connection and start-up ■ Procedure (1) Set the communication speed to SW on the RS-485 Option Unit. (2) Connect terminating resistor in both ends of units. The RS-485 Option Unit has internal terminating resistor. Set SW3 and SW4 to ON to connect these terminating resistors. (Refer to a page 5) (3) Install the RS-485 Option Unit on a metal panel.

[Page 8](#) E6580718 ■ Cable connection Host Computer □ □ □ □ □ Another RS-485  
1. Transmit positive line (TXA) Option Unit 2. Transmit negative line (TXB) 3. Receive positive line (RXA) □ □ □ □ □ 4. Receive negative line (RXB) 5. Signal line ground (S□) 6. Shield ground (FG)  
1. RXA 2. RXB...

### [Page 9: Dimensions](#)

E6580718 5. Dimensions Dimensions of the RS-485 Option Unit (with connector terminal (removal side)) are shown below. Make sure a space for connecting cables. Use M3 screws to install. (Unit: mm) ■ RS485 Converter Unit 49.7 60.0 27.1 22.6 19.6 16.0 13.5 30.0...

### [Page 10: Communication Parameters](#)

Need to set the inverter number in the transmission format. Specifications Item Specifications  
Part number RS4001Z-0 Service environment Indoors. Altitude of less than 1000m (3280 ft).  
Must not be exposed to direct sunlight, subjected to corrosive and/or explosive gases, vapor, dust, chips, cutting oil, grinding agent, etc.