



Toshiba BMS-CT1280E Installation Manual

Air conditioning control system

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

--	--

•

[Table of Contents](#)

•

Bookmarks

--

Quick Links

[Download this manual](#) See also: [Owner's Manual](#)



Air Conditioning Control System (Touch
Screen Controller)

TOSHIBA Installation Manual

Model name:

BMS-CT1280E

BMS-CT1280E-TR

- Save These Instructions!

[Table of Contents](#)

[Next Page](#)

1
2
3
4
5

Related Manuals for Toshiba BMS-CT1280E

[Controller Toshiba BMS-CT1280E Owner's Manual](#)

Touch screen controller, air conditioning control system (82 pages)

[Control Systems Toshiba BMS-SM1280HTLE Service Manual](#)

Smart manager (53 pages)

[Control Systems Toshiba BMS-SM1280HTLE Owner's Manual](#)

Smart manager (web type) (44 pages)

[Control Systems Toshiba BMS-SM1280HTLE Network Configuration Manual](#)

Smart manager (8 pages)

[Control Systems Toshiba BMS-TP5121PWE Owner's Manual](#)

Air conditioning control system (76 pages)

[Control Systems Toshiba Carrier BMS-SM1280HTLUL Service Manual](#)

Smart manager / central remote control (53 pages)

[Control Systems Toshiba Carrier BMS-SM1280HTLUL Owner's Manual](#)

Smart manager (web type) (44 pages)

[Control Systems Toshiba Combi Control User Manual](#)

(160 pages)

[Control Systems Toshiba TOSVERT VF-PS1 Instruction Manual](#)

Pid control (31 pages)

[Control Systems Toshiba TOSDIC-CIE DS Instruction Manual](#)

(158 pages)

[Control Systems Toshiba TOSDIC-CIE DS Programming Manual](#)

(34 pages)

[Control Systems Toshiba TOSDIC-CIE DS Manual](#)

(74 pages)

[Control Systems Toshiba TOSDIC-CIE DS Function Manual](#)

(60 pages)

[Control Systems Toshiba TOSDIC-CIE DS Instruction Manual](#)

(55 pages)

[Control Systems Toshiba TOSDIC-CIE DS Instruction Manual](#)

Cie integrated control system (32 pages)

Summary of Contents for Toshiba BMS-CT1280E

[Page 1](#) Air Conditioning Control System (Touch Screen Controller) Installation Manual Model name: BMS-CT1280E BMS-CT1280E-TR • Save These Instructions! ENGLISH...

[Page 2: Table Of Contents](#)

Air Conditioning Control System (Touch Screen Controller) Installation Manual •Thank you for purchasing the TOSHIBA air conditioning control system. •Please read this installation manual carefully before installation, and perform the work only in the correct manner. Contents 1 Precautions for safety3 2 Specifications .

[Page 3: Precautions For Safety](#)

Air Conditioning Control System (Touch Screen Controller) Installation Manual Precautions for safety • Read these “Precautions for safety” carefully before installation. • The precautions described below include important items regarding safety. Observe them without fail. Understand the following details (indications and symbols) before reading the body text, and follow the instructions. •...

[Page 4](#) Air Conditioning Control System (Touch Screen Controller) Installation Manual CAUTION • Do not install in the following locations: Locations where combustible gas may leak Locations with high humidity or water Dusty locations Locations in direct sunlight and locations subject to high temperatures Locations within 1 m from televisions or radios Outdoors, under awnings, or other locations exposed to rain and dew Locations exposed to outside air containing corrosive gases or salinity...

[Page 5: Specifications](#)

Air Conditioning Control System (Touch Screen Controller) Installation Manual Specifications Product name Touch Screen Controller Model Name BMS-CT1280E / BMS-CT1280E-TR Power supply 220-240 V AC* 50/60 Hz Up to 128 units Indoor unit (TCC-LINK 1 maximum 64 units, TCC-LINK 2 maximum 64 units)

[Page 6](#) Air Conditioning Control System (Touch Screen Controller) Installation Manual Power adapter 110.0±0.5 1500.0±20.0 31.5 FERRITE AS REQUIRED 33.0±0.5 30±5 29.6±0.5 WIRE NO:1185 +0.15 -0.0 GAUGE:16AWG (BLACK) Ø12.0±0.5 SPEC LABEL Ø5.5±0.1 Ø2.5 +0.1 □ Component Names OUTPUT Terminal block for INPUT external contact output INPUT TCC-LINK1...

[Page 7](#) Air Conditioning Control System (Touch Screen Controller) Installation Manual □ Before Installation Confirm that all the parts listed below are included in the package. Included Items Component name Quantity Remarks Main unit Power adapter Owner's Manual Installation Manual <Included Items> •...

[Page 8: Installation](#)

Air Conditioning Control System (Touch Screen Controller) Installation Manual Installation CAUTION • Do not wire communication lines or input/output wiring next to power supply wiring, etc., or house them in the same metal pipe. Doing so may result in failure. •...

[Page 9: When Installing From The Rear](#)

Air Conditioning Control System (Touch Screen Controller) Installation Manual 3-1-2. When Installing from the Rear Main unit box Panel Air conditioning control system to wall, etc. fixing hole dimensions Hole dimensions to drill in wall 190.4 4-Ø4.5 round hole 4-M3 nut * Although the panel and the main unit box are separated to explain the screw attachment part in an easy to understand manner, it is not necessary to remove the main unit box from the panel in actual installation work.

[Page 10: Attaching The Power Adapter](#)

Air Conditioning Control System (Touch Screen Controller) Installation Manual 3-2. Attaching the Power Adapter The power adapter can be installed on a flat surface or on a wall. Do not install it in any other orientation. Fix with the attached binding band and double-sided tape. Installation not allowed Installation allowed * Install so that the power cable that connects...

[Page 11: Power, Signal, And Earth Line Connections](#)

Air Conditioning Control System (Touch Screen Controller) Installation Manual 3-3. Power, Signal, and Earth Line Connections Connect the power, signal and earth lines to the specified terminal blocks. REQUIREMENT Attach round crimp terminals to all TCC-LINK 1, TCC-LINK 2, and RS-485 wiring, and tighten the screws securely. After tightening, check that the wiring cannot come out.

[Page 12](#) Air Conditioning Control System (Touch Screen Controller) Installation Manual TCC-LINK communication line stripping RS-485 cable wire stripping length Digital I/O cable stripping length Attach a round crimp terminal to each wire of the power line and Loosen the screws with a screwdriver, insert the digital I/O cable, signal line.

[Page 13](#) Air Conditioning Control System (Touch Screen Controller) Installation Manual □

Connection to External Devices Example of connection to external equipment which is connected to digital input/output terminal. Air conditioning control system side External device side Name Item I/O conditions Terminal name Circuit example I/O conditions State...

[Page 14](#) Air Conditioning Control System (Touch Screen Controller) Installation Manual □ Wiring connections This section shows wiring connection examples with the indoor units, power meter interface, digital I/O interface, and remote monitoring PC. Air conditioning unit group settings • Indoor units can be set together for each group unit. •...

[Page 15](#) Air Conditioning Control System (Touch Screen Controller) Installation Manual MEMO
.....
.....
.....
.....

[Page 16](#) DEB5819101...

This manual is also suitable for:

Bms-ct1280e-tr