



EE99754201 - 1

TOSHIBA

Air Conditioner INSTALLATION MANUAL

Optional connector kit MODEL: TCB-KBOS4E

Thank you for purchasing the “Optional connector kit” of TOSHIBA Air Conditioner. Before starting the installation work, please read this manual carefully and install the product properly. Ask the customer to keep this Installation Manual.

PRECAUTIONS FOR SAFETY

- Before installing the product, please read the “**PRECAUTIONS FOR SAFETY**” carefully to perform the proper installation.
- Be sure to keep the instructions described in the precautions for safety, since the descriptions include the important information for safety.

WARNING

- **Ask the dealer from whom the product was purchased or qualified installation professional to install the product.**
Improper installation by unqualified persons may result in electric shock or fire.
- **Perform installation work properly according to the Installation Manual.**
Improper installation may result in electric shock or fire.
- **Ask an authorized dealer or qualified installation professional to reinstall the product.**
Improper installation may result in electric shock or fire.
- **Perform electrical work in accordance with applicable standards and this Installation Manual, and use an exclusive circuit. Use a voltage that meets the rated voltage of the product.**
Improper electrical work or insufficient capacity in power circuit may result in electric shock or fire.

CAUTION

- **Use appropriate cables with adequate current capacity for wiring.**
Use of inappropriate cables may result in a short circuit, overheating, or fire.
 - **Perform wiring securely using specified cables, and take measures to prevent cable tension from being applied to connecting points.**
Improper wiring may result in disconnection, overheating, or fire.
 - **Prevent excessive force from being applied to the P.C. board.**
Excessive force may damage the P.C. board or disconnect its printed wiring, which may result in overheating or fire.
- After the installation work is completed, perform a test run according to the installation manual of the outdoor unit to confirm that no abnormality is found.

1. Components

Component	Q'ty		Remarks
	Single-phase	Three-phase	
	RAV-SP80*AT-* -SP110*AT-* -SP140*AT-*	RAV-SM224*AT8/7-* -SM280*AT8/7-* RAV-SP110*AT8/7-* -SP140*AT8/7-* -SP160*AT8/7-* RAV-GM224*AT8*-* -GM280*AT8*-* RAV-GP110*AT8*-* -GP140*AT8*-* -GP160*AT8*-*	
Cable for peak-cut control or night operation (5-core cable of 300 mm in length with yellow connector)	1		Use these cables as required.
Cable for peak-cut control or night operation (5-core cable of 500 mm in length with yellow connector and black tube)		1	
Compressor output cable (2-core cable with blue connector)	1	1	
Clamp filter (ZCAT2032-0930)	1	1	
Installation Manual (this manual)	1	1	

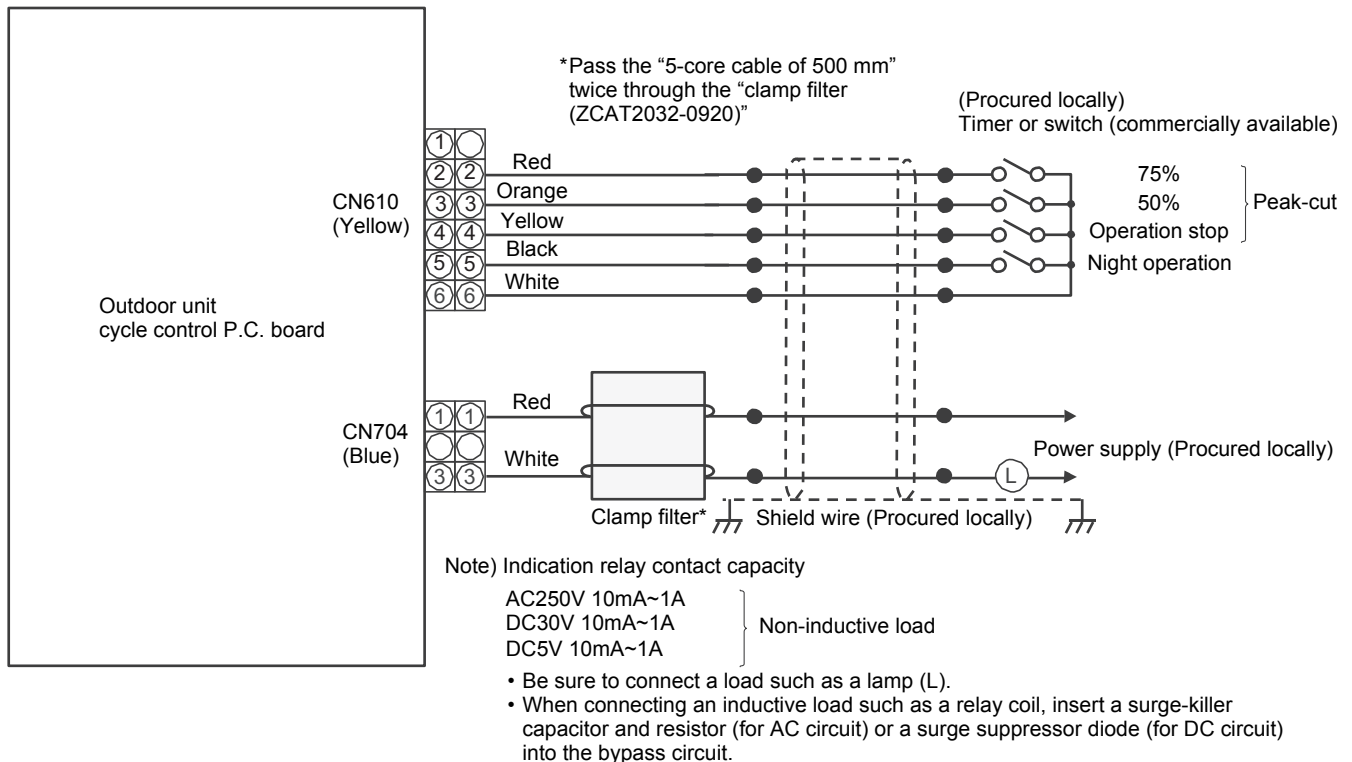
Note : These are not usable to models for Australia (-A).

Application	• Peak-cut control Saves the power of the outdoor unit by the external peak-cut signal to suppress temporary peak power dissipation. The power saving can be switched to three levels: 75%, 50%, and operation stop. • Night operation..... Reduces the capacity of the air conditioner by the input signal from a commercially available timer (procured locally) regardless of the outside air temperature or load to reduce operating noise. • Compressor output Turns on the no-voltage contact output while the compressor is operating.
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2. Connecting the Cables

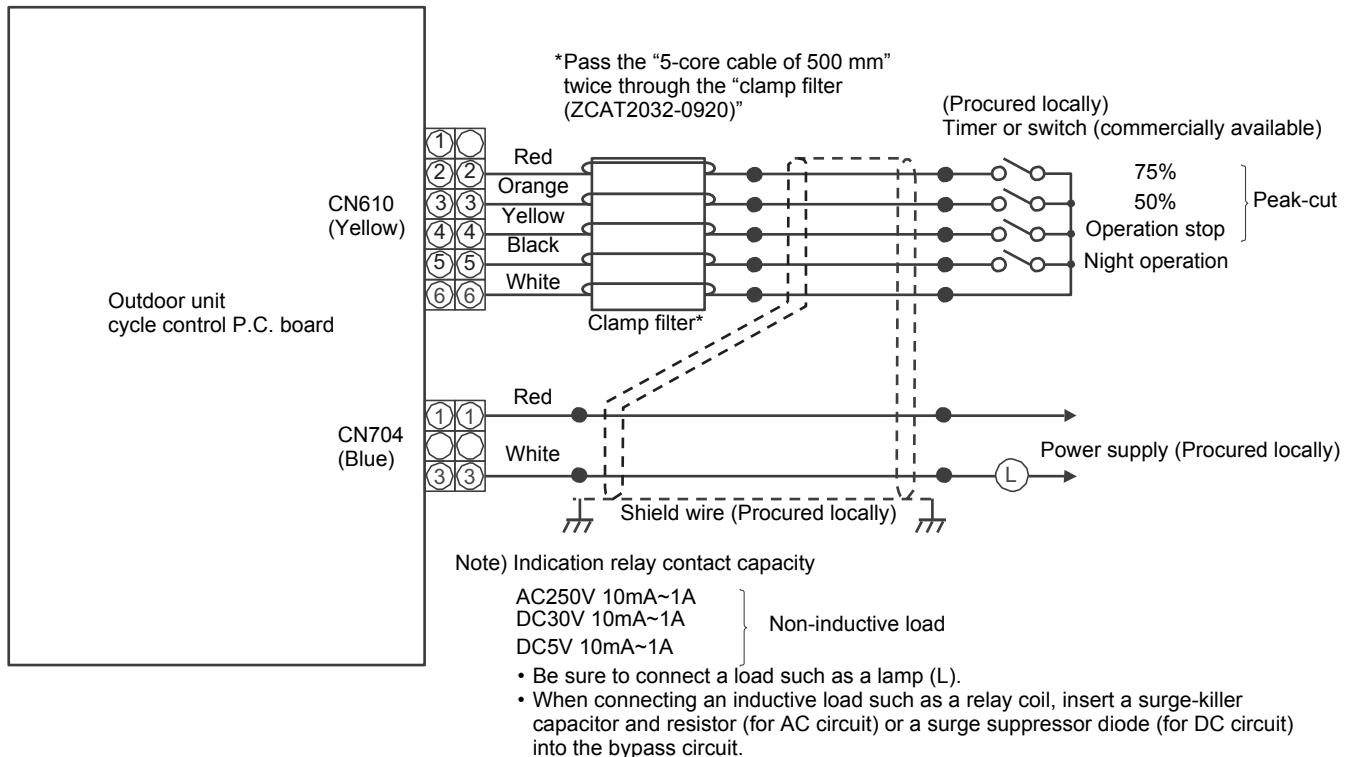
<Three-phase power supply models system diagram>

(RAV-SM2244AT8/7-*, SM2804AT8/7-*, SP110*AT8/7-*, -SP140*AT8/7-*, -SP160*AT8/7-*)
(RAV-GP110*AT8*-*, -GP140*AT8*-*, -GP160*AT8*-*)



<Three-phase power supply models system diagram>

(RAV-SM2246AT8-*, SM2806AT8-*, RAV-GM224*AT8*-*, GM280*AT8*-*)

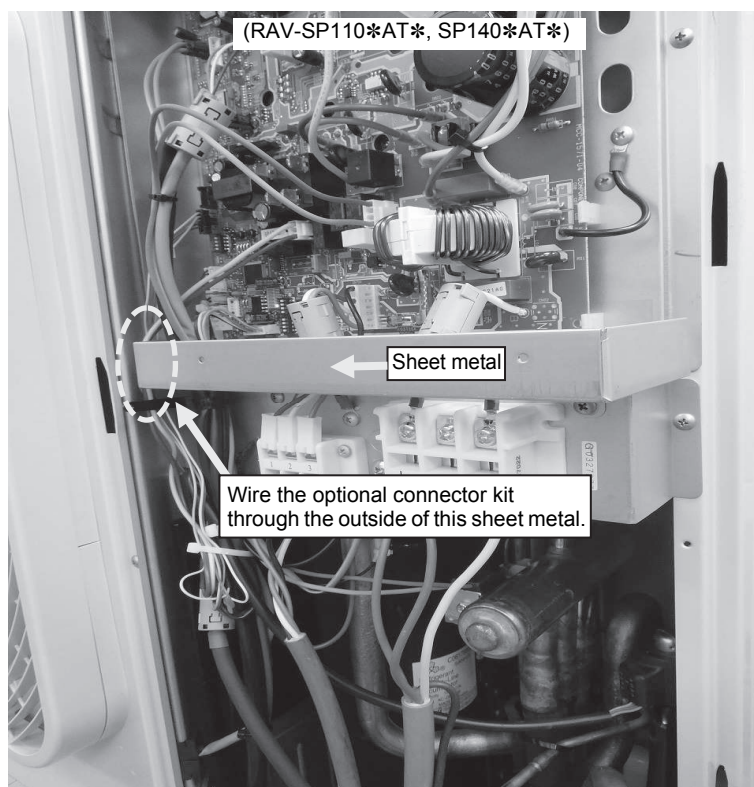
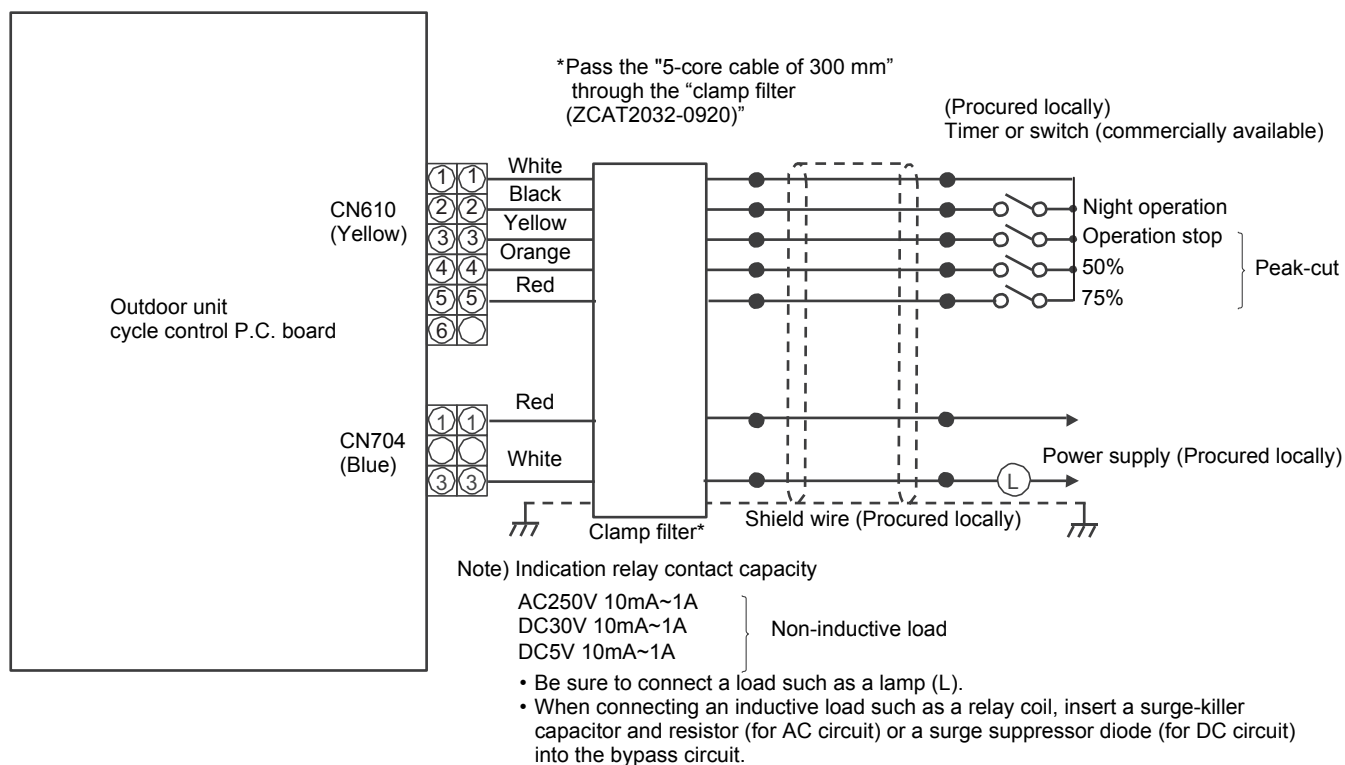


Connect the cables firmly to the cycle control P.C. board of the outdoor unit so that they will not be disconnected from respective connectors.

⚠ CAUTION

Connect the cables carefully so that they are not caught by mechanical parts and does not touch with live part.
If any of the cables is caught, overheating or fire may be caused.

<Single-phase power supply models system diagram>
(RAV-SP110*AT-*, SP140*AT-*)

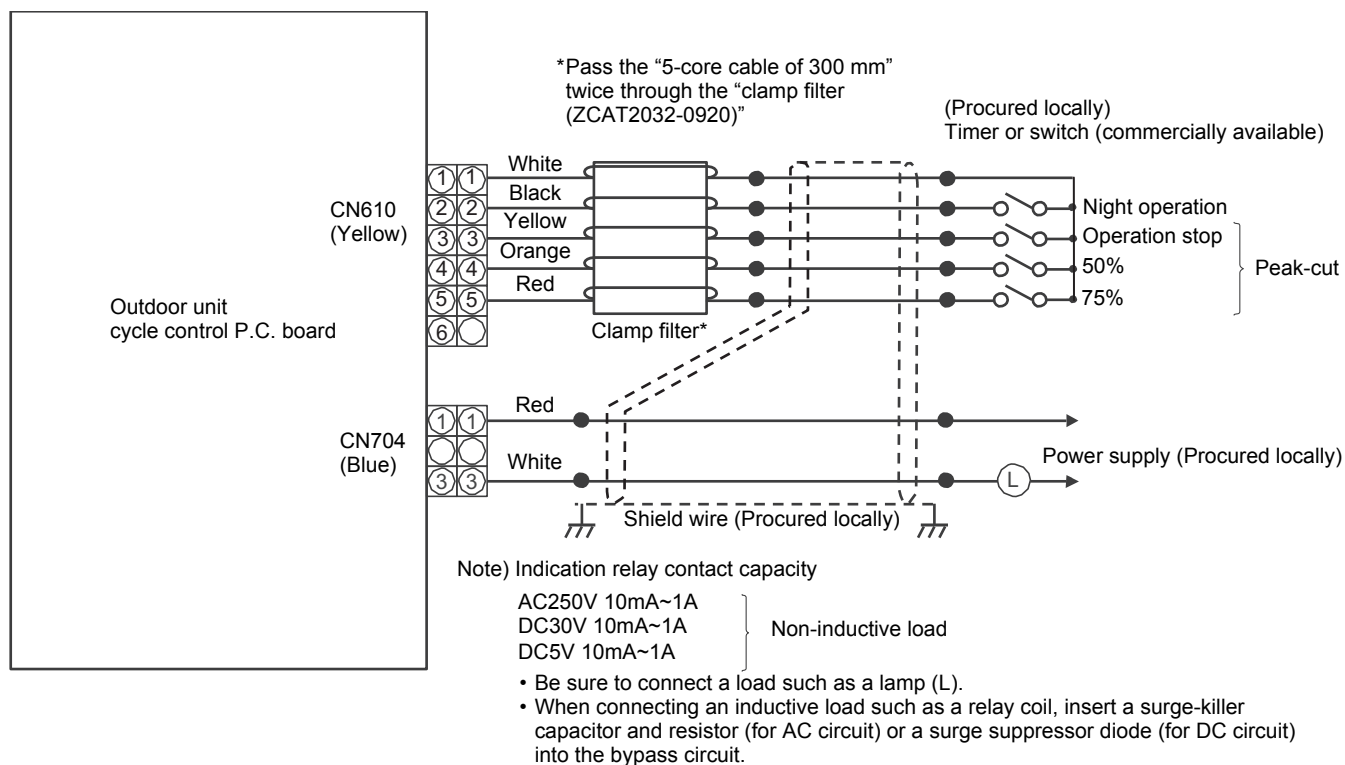


Connect the cables firmly to the cycle control P.C. board of the outdoor unit so that they will not be disconnected from respective connectors.

⚠ CAUTION

Connect the cables carefully so that they are not caught by mechanical parts and does not touch with live part.
 If any of the cables is caught, overheating or fire may be caused.

<Single-phase power supply models system diagram>
(RAV-SP80*AT-*)



Connect the cables firmly to the cycle control P.C. board of the outdoor unit so that they will not be disconnected from respective connectors.

⚠ CAUTION

Connect the cables carefully so that they are not caught by mechanical parts and does not touch with live part.
 If any of the cables is caught, overheating or fire may be caused.

MEMO

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MEMO

This image shows a full page of white paper with horizontal dotted lines, typical of primary school writing paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

