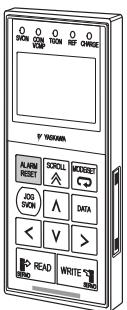


AC Servo Drives Σ Series SAFETY PRECAUTIONS

Digital Operator

Model: JUSP-OP05A
JUSP-OP05A-□
JUSP-OP05A-□-□
JUSP-OP07A-□

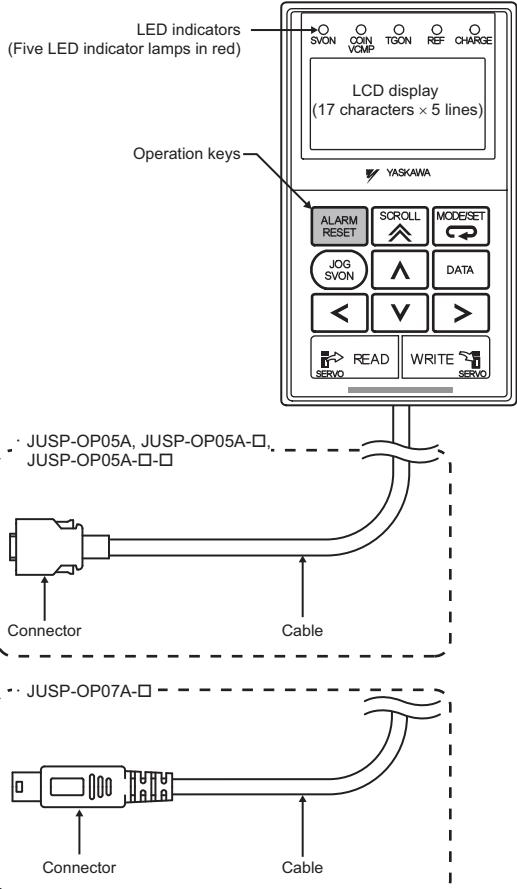
To properly use the product, read this manual thoroughly and retain for easy reference, inspection, and maintenance. Ensure the end user receives this manual.



MANUAL NO. TOBP C730800 00H

Before use

Part Names



General Precautions

- The drawings presented in this instructions are sometimes shown without covers or protective guards. Always replace the equipment's cover or protective guard as specified first, and then operate the products in accordance with the instructions.
- The drawings presented in this instructions are typical examples and may not match the product you received.
- These instructions are subject to change due to product improvement, specification modification, and instructions improvement. When these instructions are revised, the instructions code is updated and the new instructions is published as a next edition.
- If the instructions must be ordered due to loss or damage, inform your nearest Yaskawa representative or one of the offices listed on the back of this instructions.
- Yaskawa will not take responsibility for the results of unauthorized modifications of this product. Yaskawa shall not be liable for any damages or troubles resulting from unauthorized modification.

Safety Information

- The following conventions are used to indicate precautions in these instructions.
- Failure to heed these precautions can result in serious or possibly even fatal injury or damage to the products or to related equipment and systems.
- WARNING** Indicates precautions that, if not heeded, could possibly result in loss of life or serious injury.
- CAUTION** Indicates precautions that, if not heeded, could result in relatively serious or minor injury, damage to the product, or faulty operation.
- In some situations, the precautions indicated could have serious consequences if not heeded.
- PROHIBITED** Indicates prohibited actions that must not be performed. For example, this symbol would be used to indicate that fire is prohibited as follows:

Usage

CAUTION

- Never use the products in an environment subject to water, corrosive gases, inflammable gases, or combustibles. Failure to observe this caution may result in electric shock or fire.
- Do not step on or place a heavy object on the product. Failure to observe this caution may result in injury.
- Prevent any foreign objects from entering the product. Failure to observe this caution may cause internal elements to deteriorate resulting in malfunction or fire.
- Do not apply any strong impact. Failure to observe this caution may result in malfunction.
- Take appropriate and sufficient countermeasures for each when installing systems in the following locations.
 - Locations subject to electric noise caused by static electricity or other similar sources.
 - Locations subject to strong electromagnetic fields and magnetic fields.
 - Locations subject to possible exposure to radioactivity.
 - Locations close to power supply lines.
Failure to observe this caution may result in damage to the product.

Disposal

- Correctly discard the product as stipulated by regional, local, and municipal laws and regulations. Be sure to include these contents in all labelling and warning notifications on the final product as necessary.



Contents of hazardous substances in products
产品中有害物质的名称及含量

Parts Name 部件名称	Hazardous substances 有害物质								
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr (VI))	Polybromi- nated biphenyls (PBB)	Polybromi- nated diphe- nyl ethers 多溴联苯 (PBDE)	Dibutyl phthalate 邻苯二甲酸 二丁酯 (DOP)	Diisobutyl phthalate 邻苯二甲酸 二异丁酯 (DIBP)	Butyl benzyl phthalate 邻苯二甲酸 二乙基 己酯 (DEHP)
Circuit Board 安装基板	×	○	○	○	○	○	○	○	○
Electronic parts 电子元件	×	○	○	○	○	○	○	○	○
Heat sink 散热器	×	○	○	○	○	○	○	○	○
Mechanical parts 机械元件	×	○	○	○	○	○	○	○	○

This table has been prepared in accordance with the provisions outlined in SJ/T 11364.

本表格依据 SJ/T 11364 的规定编制。

○: Indicates that said hazardous substance contained in all of the homogeneous materials for this part is below or equal to the limit requirement of GB/T 26572.

×: Indicates that said hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement of GB/T 26572.

○: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

×: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。

Note: This product complies with EU RoHS directives.

In the above table, “×” indicates that hazardous substances that are exempt from EU RoHS directives are contained.

注: 本产品符合欧洲的 RoHS 指令。

上表中的“×”表示含有欧盟 RoHS 指令豁免的有害物质。

Notes for Safe Operation

WARNING

- Disassembly or repair must be performed only by authorized personnel. Failure to observe this warning may result in electric shock or injury.
- Do not damage, press, exert excessive force or place heavy objects on the cables. Failure to observe this warning may result in electric shock, stopping operation of the product, or burning.
- Do not modify the product. Failure to observe this warning may result in injury or damage to the product.

Storage and Transportation

CAUTION

- Do not store or install the product in the following places. Failure to observe this caution may result in fire, electric shock, or damage to the product.
 - Locations subject to direct sunlight.
 - Locations subject to temperatures outside the range specified in the storage or installation temperature conditions (-20°C to +70°C).
 - Locations subject to humidity outside the range specified in the storage or installation humidity conditions (90% RH or less).
 - Locations subject to condensation as the result of extreme changes in temperature.
 - Locations subject to corrosive or flammable gases.
 - Locations subject to dust, salts, or iron dust.
 - Locations subject to water, oil, or chemicals.
 - Locations subject to shock or vibration.
- Do not hold the product by the cable or the connector while transporting it. Failure to observe this caution may result in injury or malfunction.
- Do not place any load exceeding the limit specified on the packing box. Failure to observe this caution may result in injury or malfunction.

Warranty Information

Free Warranty Period

This product is warranted for twelve months after being delivered to Yaskawa's customer or if applicable eighteen months from the date of shipment from Yaskawa's factory whichever comes first.

Scope of Warranty

If a Yaskawa product is found to be defective due to Yaskawa workmanship or materials and the defect occurs during the warranty period, Yaskawa will provide a replacement, repair the defective product, and provide shipping to and from the site free of charge.

However, if the Yaskawa Authorized Service Center determines that the problem with a Yaskawa product is not due to defects in Yaskawa's workmanship or materials, then the customer will be responsible for the cost of any necessary repairs.

Information on Hazardous Substances in Revised China RoHS (Labeling of Environment-friendly Use Period)

(基于“修订版中国 RoHS”(张贴环境保护使用期限)的产品中含有有害物质的信息)

This is based on the “Management Methods for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products.”

本资料根据中国《电器电子产品有害物质限制使用管理办法》制定。

AC Servo Drives
Σ Series
SAFETY PRECAUTIONS
Digital Operator

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In the event that the end user of this product is to be the military and said product is to be used in a weapons system, the user must be a member of the armed forces and fall under the relevant regulations as stipulated in the Foreign Exchange and Trade Act. Therefore, be sure to follow all procedures and submit all relevant documents to the appropriate government agency for review and regulations and laws that may apply. Specifications are subject to change without notice for ongoing product modifications and improvements.

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