

**LS Programmable Logic Controller
XGB Compact Type**

**XBC-DR32H/(DC)
XBC-DN32H/(DC)
XBC-DR64H/(DC)
XBC-DN64H/(DC)**



- When using LSIS equipment, thoroughly read this datasheet and associated manuals introduced in this datasheet. Also pay careful attention to safety and handle the module properly.
- Store this datasheet in a safe place so that you can take it out and read it whenever necessary.

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LS constantly endeavors to improve our products so that information in this datasheet is subjected to change without notice.

Safety Precautions

- ▶ Safety Precautions are for using the product safe and correct in order to prevent the accidents and danger, so please go by them.
- ▶ The precautions explained here only apply to XGB Compact Type Main Unit. For safety precautions on the PLC system, refer to XGB User's Manual.
- ▶ The precautions are divided into 2 sections, 'Warning' and 'Caution'. Each of the meanings is represented as follows.

Warning

If violated instructions, it can cause death, fatal injury or a considerable loss of property.

Caution

If violated instructions, it can cause a slight injury or a slight loss of products.

- ▶ The symbols which are indicated in the PLC and User's Manual mean as follows.



This symbol means paying attention because of danger of injury, fire, or malfunction.



This symbol means paying attention because of danger of electric shock.

- ▶ Store this datasheet in a safe place so that you can take it out and read it whenever necessary. Always forward it to the end user

Warning

- ▶ Do not contact the terminals while the power is applied.
Risk of electric shock and malfunction.

- ▶ Protect the product from being gone into by foreign metallic matter.
Risk of fire, electric shock and malfunction.

- ▶ Do not charge, heat, short, solder and break up the battery.
Risk of injury and fire by explosion and ignition.

Caution

- ▶ Be sure to check the rated voltage and terminal arrangement for the module before wiring work.
Risk of electric shock, fire and malfunction.

- ▶ Tighten the screw of terminal block with the specified torque range.
If the terminal screw looses, it can cause fire and electric shock.

- ▶ Use the PLC in an environment that meets the general specifications contained in this datasheet.
Risk of electrical shock, fire, erroneous operation and deterioration of the PLC.

- ▶ Be sure that external load do not exceed the rating of output module.
Risk of fire and erroneous operation.

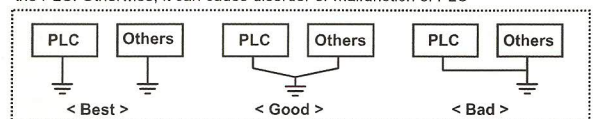
- ▶ Do not use the PLC in the environment of direct vibration
Risk of electrical shock, fire and erroneous operation.

- ▶ Do not disassemble, repair or modify the PLC.
Risk of electrical shock, fire and erroneous operation.

- ▶ When disposing of PLC and battery, treat it as industrial waste.
Risk of poisonous pollution or explosion.

Precautions for use

- ▶ Do not install other places except PLC controlled place.
- ▶ Make sure that the FG terminal is grounded with class 3 grounding which is dedicated to the PLC. Otherwise, it can cause disorder or malfunction of PLC



- ▶ Connect expansion connector correctly when expansion module are needed,
- ▶ Do not detach PCB from the case of the module and do not modify the module.
- ▶ Turn off power when attaching or detaching module.
- ▶ Cellular phone or walkie-talkie should be farther than 30cm from the PLC
- ▶ Input signal and communication line should be farther than minimum 100mm from a high-tension line and a power line in order not to be affected by noise and magnetic field.

