

## DATA SHEET

### LS Programmable Logic Controller XGB Compact Economy Type

**XGB** XBC-DR10E  
XBC-DR14E  
XBC-DR20E  
XBC-DR30E

# LS

- 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.

**LS** Industrial Systems

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

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#### ■ Safety Precautions

- ▶ Safety Precautions is 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 this module. For safety precautions on the PLC system, refer to 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

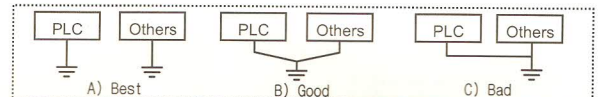
- ▶ Do not contact the terminals while the power is applied.  
Risk of electric shock and malfunction.
- ▶ Protect the product from being gone into by foreign metallic matter.  
Risk of fire, electric shock and malfunction.
- ▶ Risk of fire, electric shock and malfunction.  
Risk of injury and fire by 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 does 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 300cm from the PLC.
- ▶ Input signal and communication line should be farther than minimum 10cm from a high-tension line and a power line in order not to be affected by noise and magnetic field.

