Attention Related to Safety (Read Carefully before Application)

◎ For the purpose to ensure your personal safety and protect your product and its peripheral equipment, read this manual regarding the safety, function, attention carefully before installation, operation and maintenance the FB PLC. The attention subject to safety in this manual are classified into 「Danger」, 「Warning」, 「Caution」grade according to the hazardous extent and preceded by "⚠ " symbol. The following are their description:

⚠ Danger

Indicates casualty or serious damage or property loss will result if the correct instruction was not followed.

⚠ Warning

Indicates casualty or serious damage or property loss will result if the correct instruction was not followed.

⚠ Caution

Indicates minor damage or property loss will result if the correct instruction was not followed.

◎ This manual is a guideline for qualified personnel for how to install the FB PLC correctly and use safely. The qualified personnel stated here means professional electromechanical engineering personnel who is acquaintance with the safety specification and method of grounding, circuit, peripheral equipment system etc. and possessed practical experience.

⚠ Danger
⊙ Keep in mind before using the PLC Regardless abnormality in the external power supply or the failure of PLC itself will resulting in the PLC or the complete system emerge unsafe status, and induce unpredictable action, these unpredictable action may cause human damage, death or serious damage of the unit, thus, please design an extra external separate safety protection circuit, such as emergency stop circuit, machine replacement device or redundant safety protection circuit in the application with major safety consideration as follows: 1. Emergency stop circuit, safety protection circuit, motor positive/reverse interlock circuit, upper/lower limit destruction prevention circuit of position control etc., and should be comprised by external circuit in additional to the PLC. 2. The PLC is unable to detect the abnormality of the input signal circuit (such as overload or interrupted of PLC input circuit, the PLC determined as all OFF), then error output will be caused in the PLC and may cause major safety problem, thus external detection and protection circuit or mechanism protection should be provided in addition to the PLC. 3. The output components of the PLC, regardless it is relay, transistor, TRIAC are possible to cause permanent ON or OFF and resulting in serious incident, thus protected by additional external circuit or mechanism are necessary for the output points with major safety consideration.