

# 7 RUN、DEBUG、MAINTENANCE

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In this chapter, we tell the whole using process of PLV, from programming till using. So, running, debug and maintenance of PLC is included.

7-1 . Run and Debug
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7-2 . Daily Maintenance
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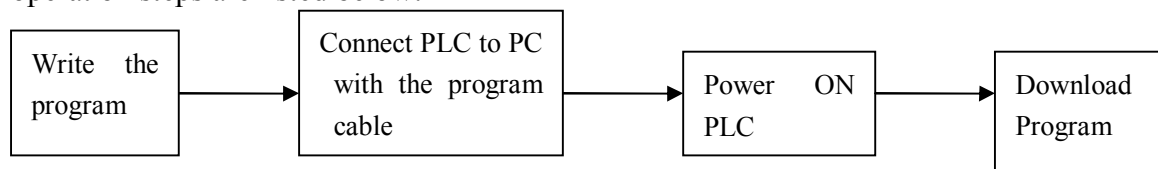
## 7-1. Run and Debug

### 1 Check the Products

When get the products, please check if the input/output terminals are correct, if there is any component missed. Generally, you can power on the PLC directly at this time. Check if PWR and RUN LED are ON.

### 2 Write and Download the Program

After confirming the products, please write the program for PLC. You can write the program via computer. Then download the program to your PLC. The general operation steps are listed below:



※1: Please link the download cable before you power on the PLC. Or else the COM port will be easily damaged! The method to connect BD card and expansion is same.

### 3 Debug the Products

In Ideal condition, PLC is in running mode. But if you find some mistakes in the program and you need to modify the program, you should write the new program to the running PLC;

- Connect PLC to PC with the program cable
- Upload the program in PLC
- Modify the uploaded program; we suggest you to save the modified program;
- Pause the running of PLC, download the modified program to PLC;
- Use ladder monitor, free monitor to monitor PLC
- If the program still can't fulfill your requirement, you can go on modify it and download to PLC.

### 4 LED on PLC

- When PLC is running correctly, the **PWR** and **RUN** LED should keeps be ON;

- If **ERR** LED keeps be ON, it indicates that PLC running is in error, please correct the program in time
- If **PWR** LED is OFF, it indicates that the power supply is in error, please check your wiring;

## 7-2. Daily Maintenance

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### Regular Check on Products

Even the PLC has certain anti-interfere ability and strong stability, you should check the PLC regularly.

The check items include:

- Check if the input/output terminals, power supply terminals are loosen
- Check if the COM ports are correct
- Check if the PWR LED, I/O LED can be ON
- Clear the dusts on PLC, to avoid the dusts fall into PLC
- Manage to make PLC running, the storage environment fits the standard told in chapter 2-1-1

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### About the battery

There is no any component in PLC to decrease the life of the battery, so the battery can be used all the time. But if your PLC supports clock function, you should change the battery regularly.

- The battery's life is usually 3~5 years;
- If you need the replay output PLC type, and the relay needs to open/close frequently, or drive large capacity load, the battery's life may be decreased
- If you find battery's power decreased, please change it at your earliest
- After changing the battery, please power it on at your earliest, or else the battery will run out of power automatically.

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### Abandon

If you make sure to abandon the products, please treat the products as the industrial waste.



