Chapter 10
Troubleshooting

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1 Troubleshooting for Property Setting

These are the causes and solutions

Issues
Download or upload of logic or property setting failed.

Causes
IP address selected does not exist.
IP address setting of PC is wrong.

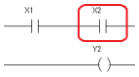
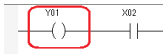
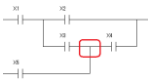
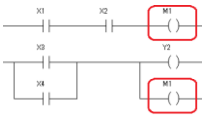
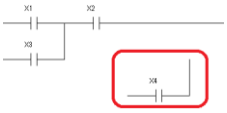
Solution
Confirm IP address of controller connected. Correct if necessary.
Confirm IP address of PC in iCEP main screen, correct if necessary.

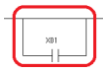
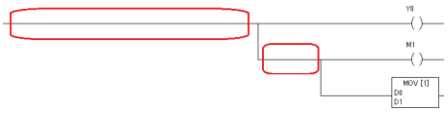
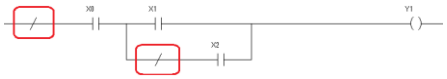
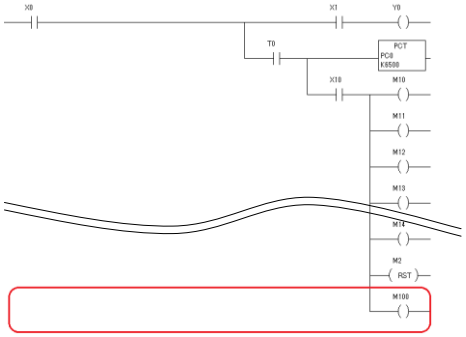
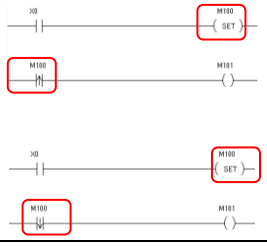
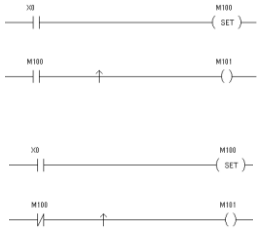
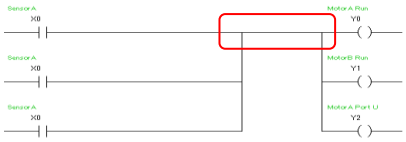
2 Troubleshooting for Creating Logic

There are Issues, causes and reset error in below.

Issues

Error when a logic is creating.

	Error condition	Solution
1	Connect “LBL” to other than left hand rail.	Connect “LBL” directly to the left hand rail.
2	Connect input device to right hand bus bar. 	Connect input device other than right hand bus bar.
3	Connect output device to other than right hand bus bar. 	Connect output device to right hand bus bar.
4	Connect end of ORB to the other ORB. 	Change connection.
5	Wrong value or no value in Argument.	Enter proper value of Argument.
6	Disconnect line	Modified automatically at Build.
7	Dual coils. 	Change program to avoid dual coils.
8	Dual timer and counter.	Change program to avoid dual timer and counter
9	Unconnected device. 	Delete the device or connect the device properly.

	Error Condition	Solution
10	No device on one of ORB line. 	Change program to avoid this error.
11	No condition. 	Place at least one input device.
12	Place “INV” or “MEP” on left hand bus bar 	Place “INV” or “MEP” on other than left hand bus bar or before B contact.
13	More than 33 blocks. 	Make program below 32 blocks.
14	No “LBL” command 	Place “LBL” command applicable JMP command
15	Same “Y” or “M” used in “SET” or “RST” command is used at “LDF” or “LDP” command. 	Delete “LDF” or “LDP” command or use “MEP” command instead of. 
16	Error due to computer application cannot compile Note: Ladder logic written is valid. 	Connect contact and coil side with single line. 

3 Troubleshooting for Other Functions

These are the issues, causes and solutions when of the other functions.

Issues
IP address of controller connected cannot be found with [Dialog] – [Discovery].

Causes
IP address setting for PC is wrong.

Solutions
Confirm IP address of PC in iCEP main screen, correct if necessary.

Issues
Information of controller connected does not display [Dialog] - [Information].

Causes
IP address setting for PC is wrong.

Solutions
Confirm IP address of PC in iCEP main screen, correct if necessary.

Issues
Error information of controller connected does not display [Dialog] - [Error Information].

Causes
IP address setting for PC is wrong.

Solutions
Confirm IP address of PC in iCEP main screen, correct if necessary.

Issues
Speed and current of controller connected do not display [Dialog] - [Speed/Current Monitor].

Causes
IP address setting for PC is wrong.

Solutions
Confirm IP address of PC in iCEP main screen, correct if necessary.

Issues
Automatic download to controller was not executed.

Causes
Auto download option is not set for controller, or option may be deleted.
Causes for deleted are initialization of the controller or previous download with option not selected.

Solutions
Verify by auto download setting.

Issues
Mechanical test is not working [Dialog] - [Mechanical Test].

Causes
IP address setting for PC is wrong.

Solutions
Confirm IP address of PC in iCEP main screen, correct if necessary.

Issues
During logic monitor, change of contact is not displayed.

Causes
IP address setting for PC is wrong.

Solutions
Confirm IP address of PC in iCEP main screen, correct if necessary.

Issues
Ladder logic edited, run LD Recorder but edited ladder is not displayed.

Causes
Ladder logic displayed at LD Recorder must be saved before running.

Solutions
Return to iCEP, save the ladder logic.

Issues
IP address of controller connected is not displayed with [About] - [Firmware Update].

Causes
IP address setting for PC is wrong.

Solutions
Confirm IP address of PC in iCEP main screen, correct if necessary.