Chapter 6
Monitor Function

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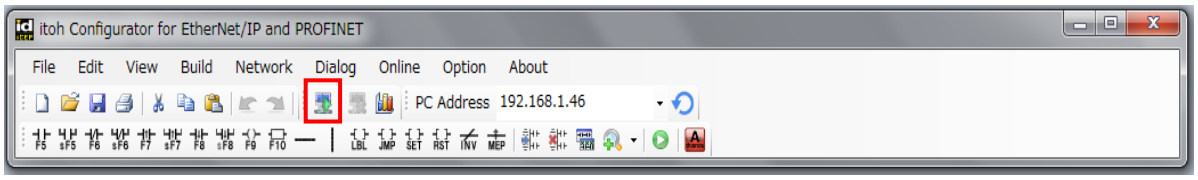
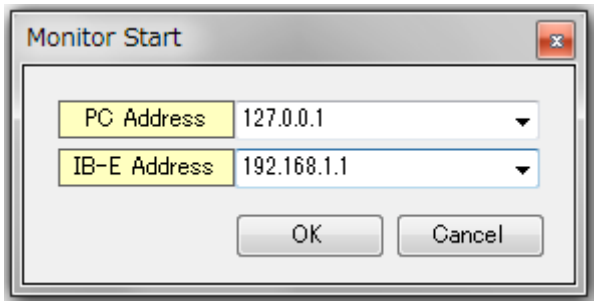
1 Logic Monitor

Logic written in controller can be displayed.

Select accessable node (address) from menu bar - red box in below.

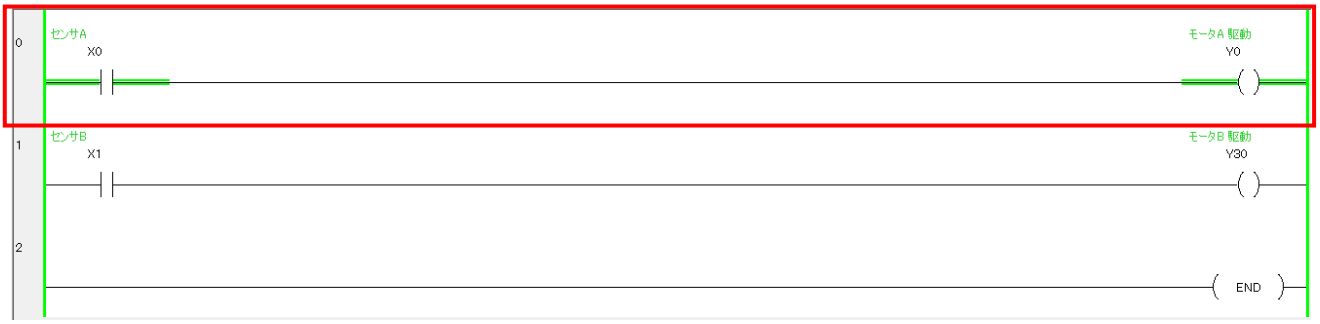




Once monitor started, active input and output displays in green

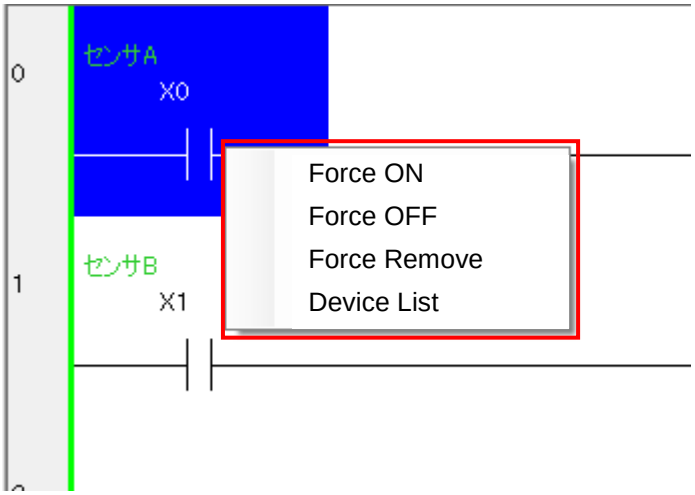
For “SET” command when coil is on will be displayed in green.
For “RST” command when coil is off will be displayed in green.

For Counter and D Register actual data value is displayed.



1.1 Right Click Menu in Logic Monitor

Move cursor desire command, and right click will display monitor menu options.



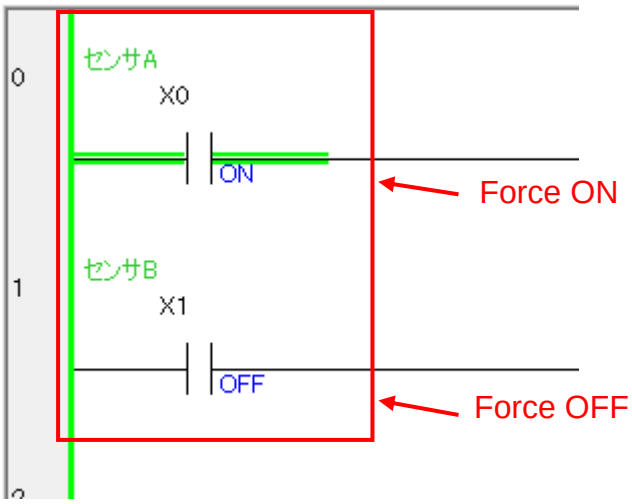
Available menu options,

- Force ON　　Turn on ladder contact forcibly.
- Force OFF　　Turn off ladder contact forcibly.
- Force Remove (Force Release)　　Close Force ON and Force OFF.
- Device list　　Display device list.

1.2 Force ON/Force OFF

From logic monitor menu ON and OFF setting can be controlled.

Result of using Force ON and OFF is displayed below the sensor.
If select Force ON, contact becomes on.
If select Force OFF, contact becomes off.



- “ON” or “OFF” indication is shown in above during Force ON or OFF.

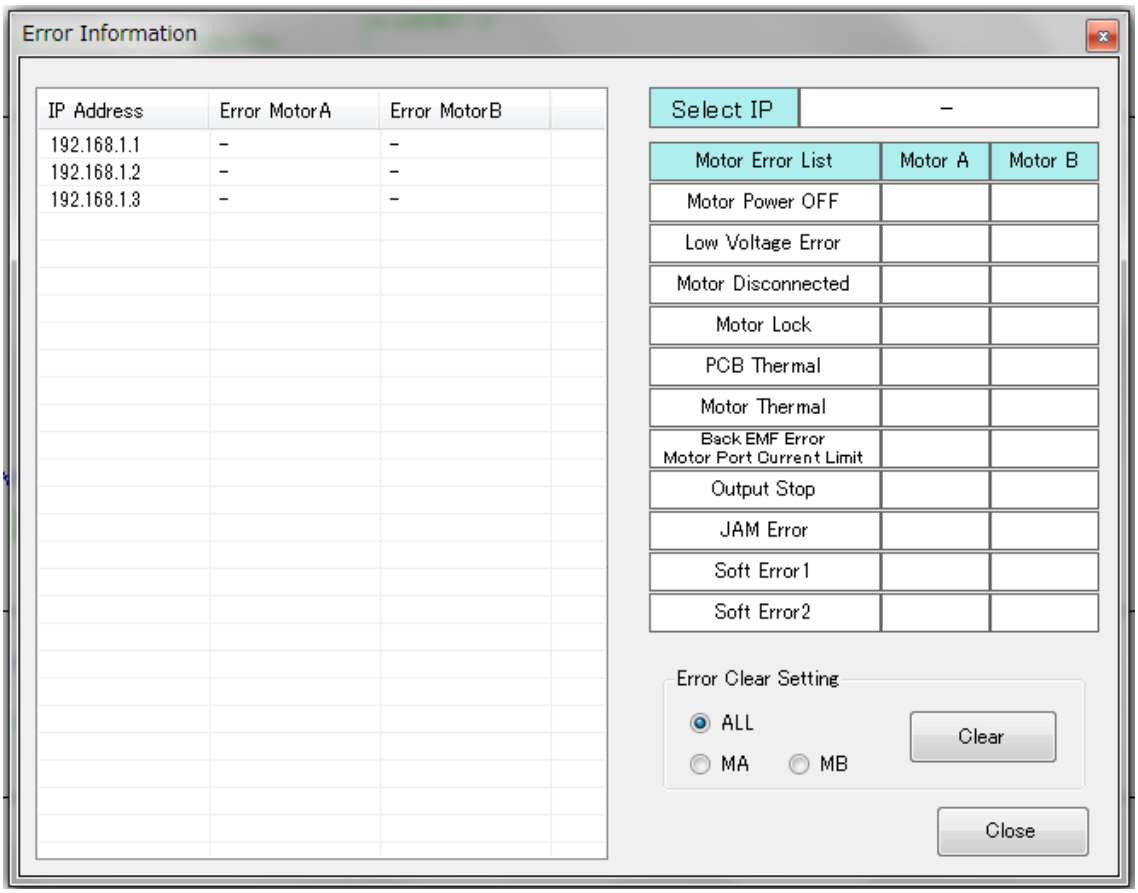
2 Error Information

Error information of each registered IP address is displayed.

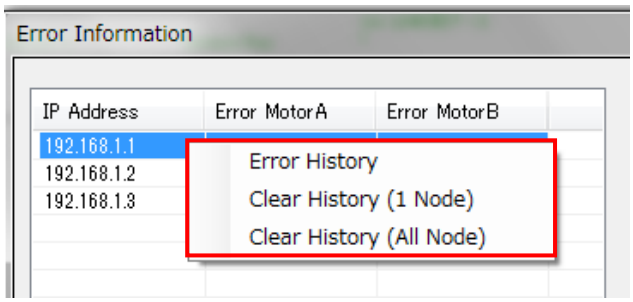
Click [Error Information] from [Dialog] in menu bar

If error exist, display in red, no error display in black.

For “Error Clear Setting” on the bottom right below image, select “All (Motor A and Motor B)”, “MA (Motor A)” or “MB (Motor B)” then click “Clear” to remove error manually.



Right click on IP address list above, menu in the red frame below is displayed.



Available menu options,

- Error History — Display error history of each node (IP address).
- Clear History(1 Node) — Clear error history of selected node (IP address).
- Clear History(All Node) — Clear error history of all node (IP address) in error information.

2.1 Error History

Error history of registered IP address in project can be displayed

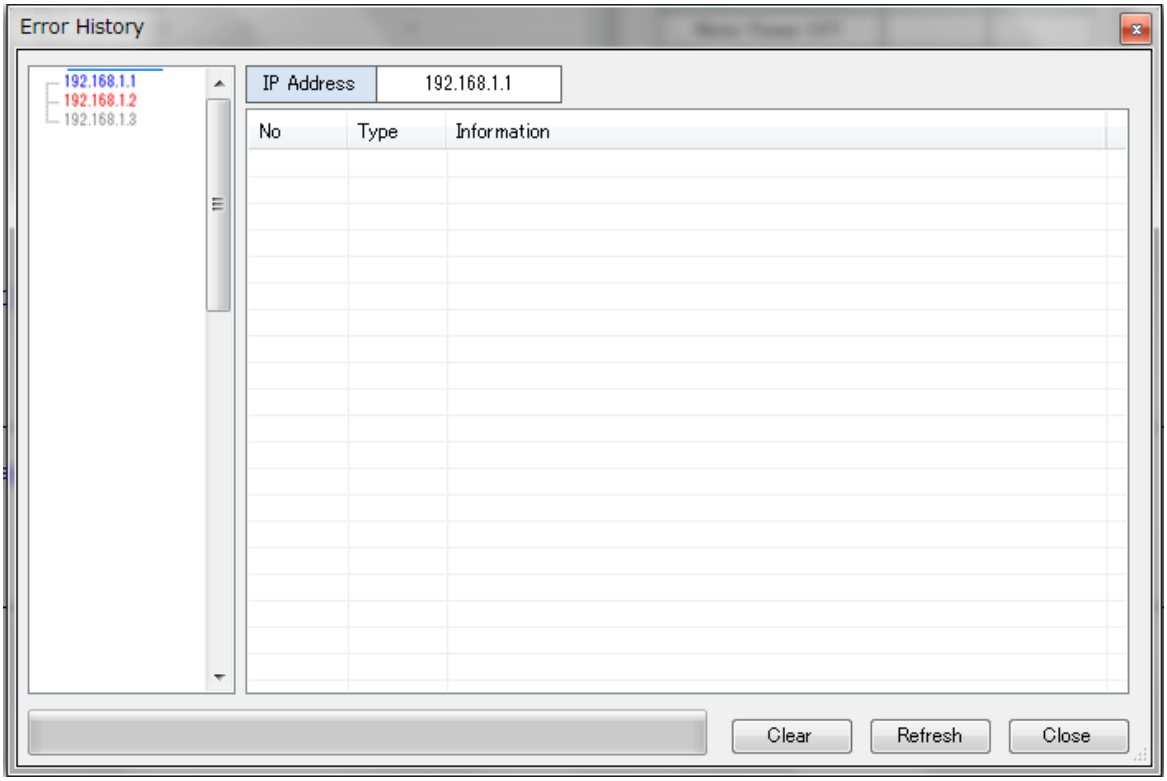
Select [Error History] from [Dialog] in menu bar.

Select IP address, then the detail of each node error history can be displayed.

Registered IP address in project is displayed, and display in below.

Types of display are,

No error history, controller connected	Blue
One or more error history, controller connected	Red
Controller not connected	Gray



The functions are,

- Clear　　Clear error history of selected IP address.
- Refresh　　Update the error history.
- Close　　Close the error history.

3 Speed / Current Monitor

Speed and current value of controller are captured and displayed in graph.

Select [Speed/Current monitor] from [Dialog] in main menu.

Up to 5 nodes can be monitored and displayed.
Each motor data can be hide or unhide by clicking the motor data displayed.

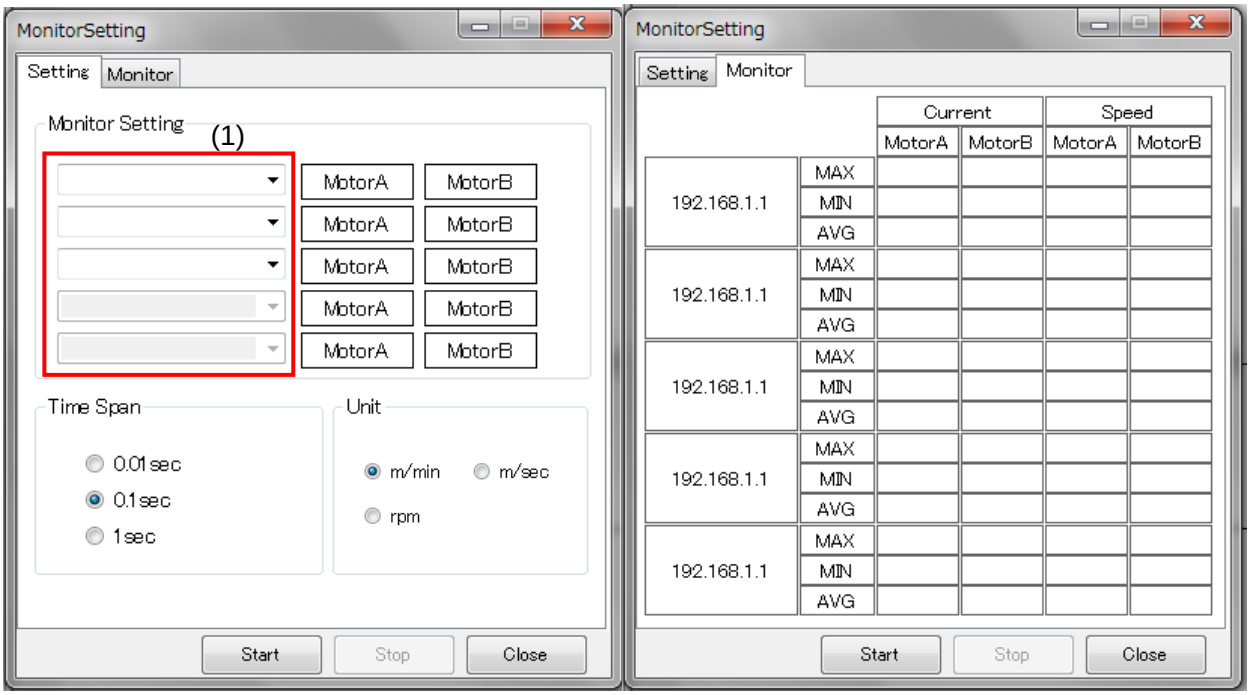
Motor speed axis is determined by set maximum speed.

Data collection point can be set as 0.01sec, 0.1sec and 1sec.
Setting can be changed anytime.
Unit can be set as m/min, m/sec, ft/sec and rpm.
Setting cannot be changed during monitoring the motor.

> ・Selectable unit can be modified by selected unit in Chapter 9 Section 8.1 “Unit”.

Monitor screen

See next page for “Monitor Setting” screen.



Monitor Setting screen

The functions are,

- Start　　Start monitoring of selected IP address in (1).
- Stop　　Stop monitoring.
- Close　　Close Speed/Current monitor.