Chapter 4
Create Ladder Logic

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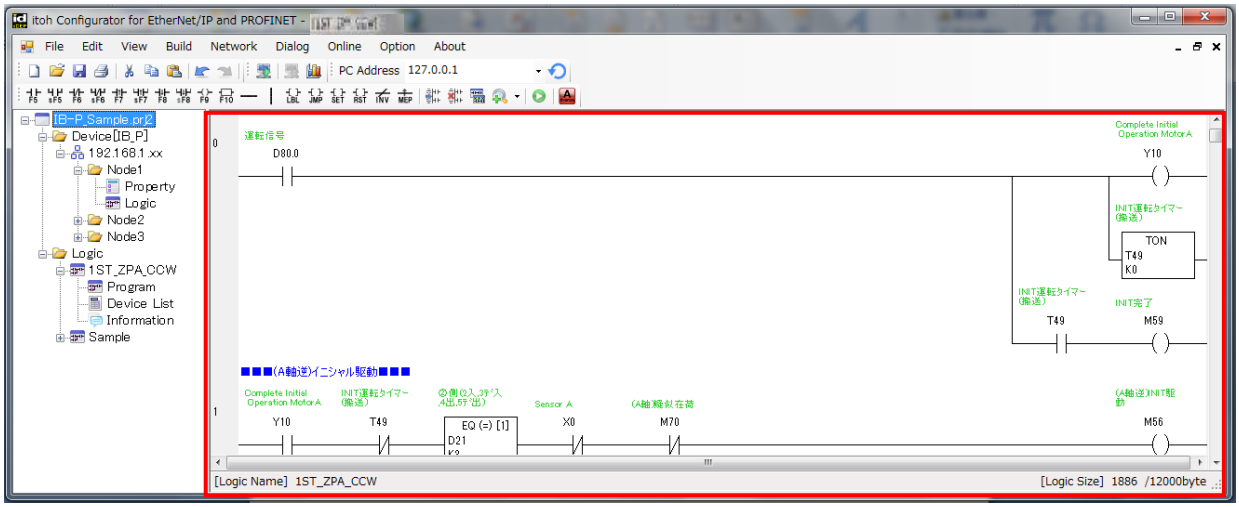
1 Logic Main Screen

Double click “Program” from “logic” in project tree – “logic name”.

> ・Binary logic is not possible to display the logic creation screen.

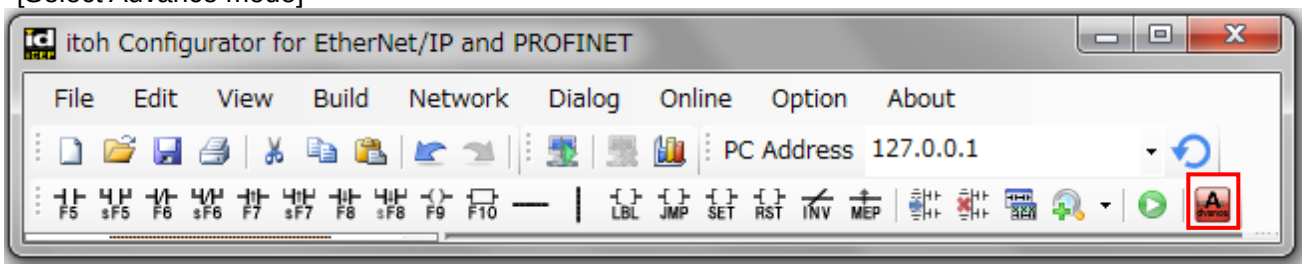


2 Selecting Command Input Mode

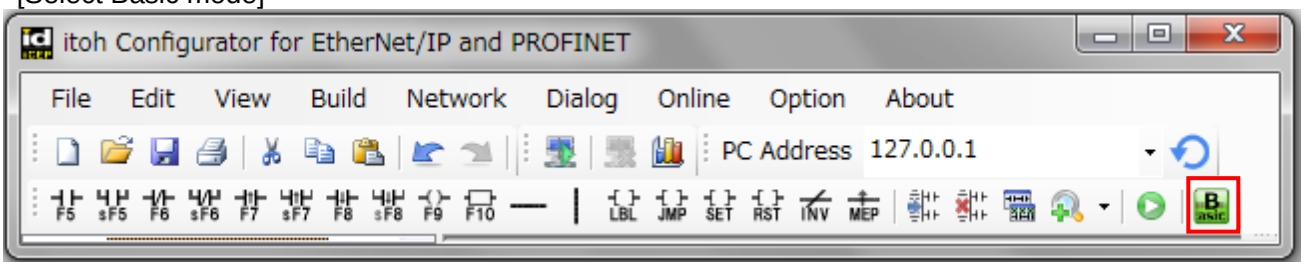
Select Advance Mode or Basic Mode.

Switch command input mode is available by clicked a red box in below.

[Select Advance mode]



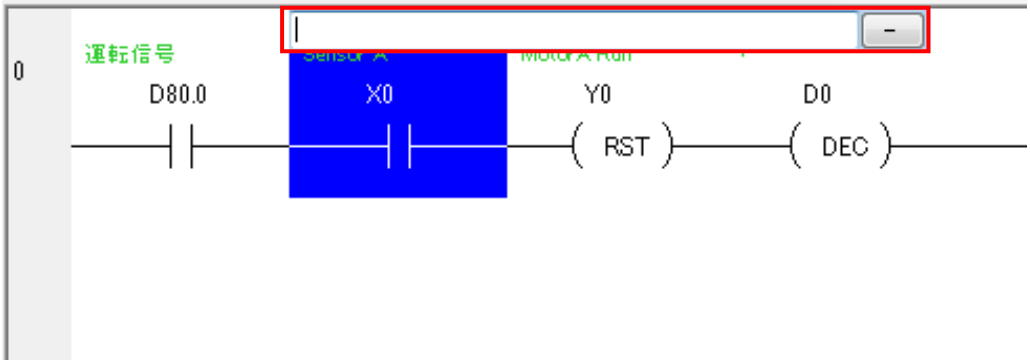
[Select Basic mode]



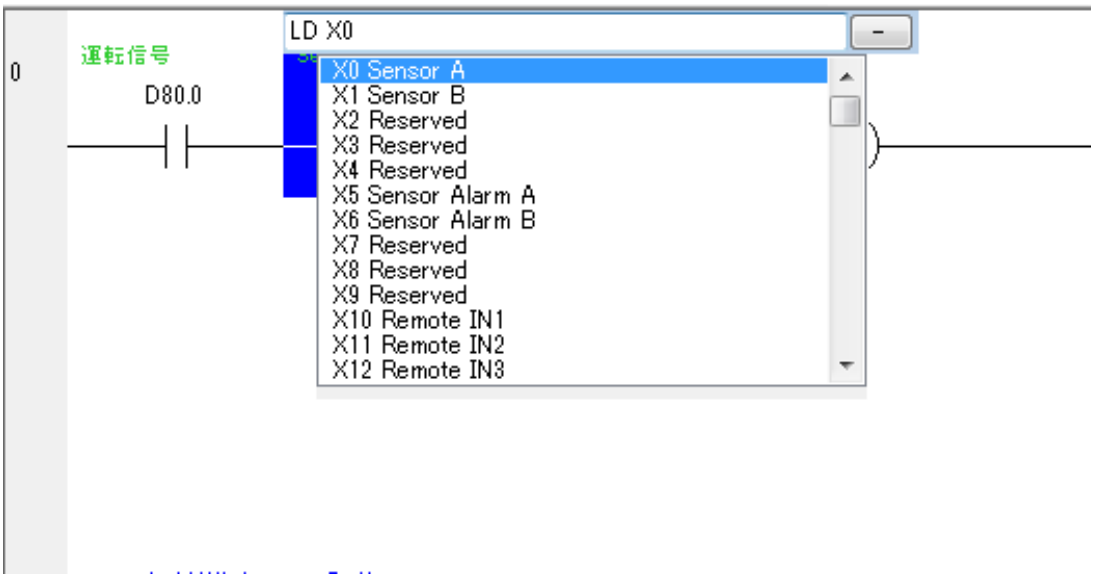
2.1 Command Input (Advance Mode)

Command input (Advance) as shown red box in below.

Move the cursor to the position where add command, and then press “Enter” or double click to the show window.



Enter a command directly to the command window.



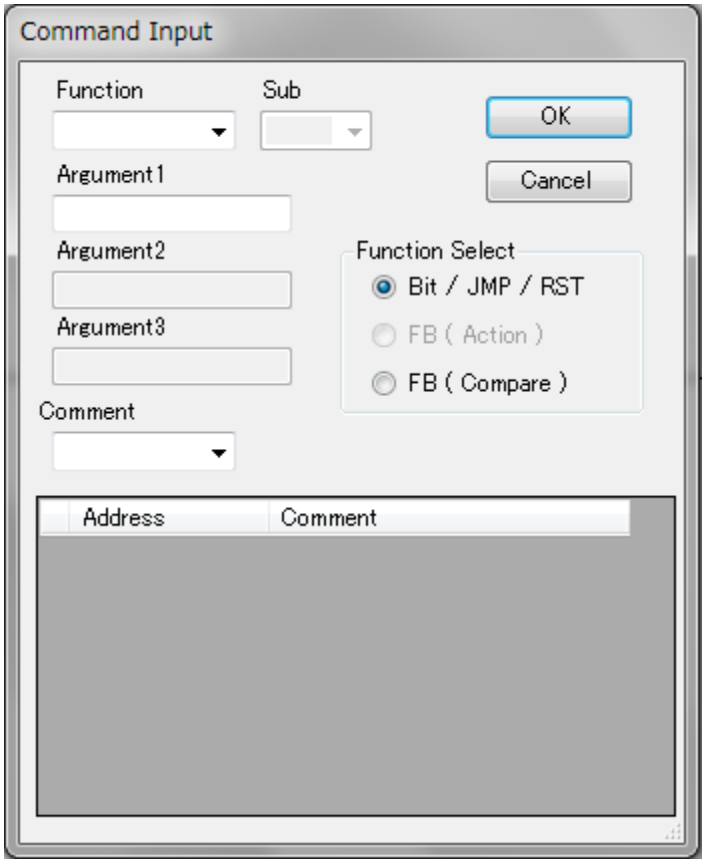
Then type “Enter” key, the command input is now completed.

> ・For command settings, refer to Chapter 5 “Command”.

2.2 Command Input (Basic Mode)

Command input as shown below.

Double click an active part in ladder creation window.

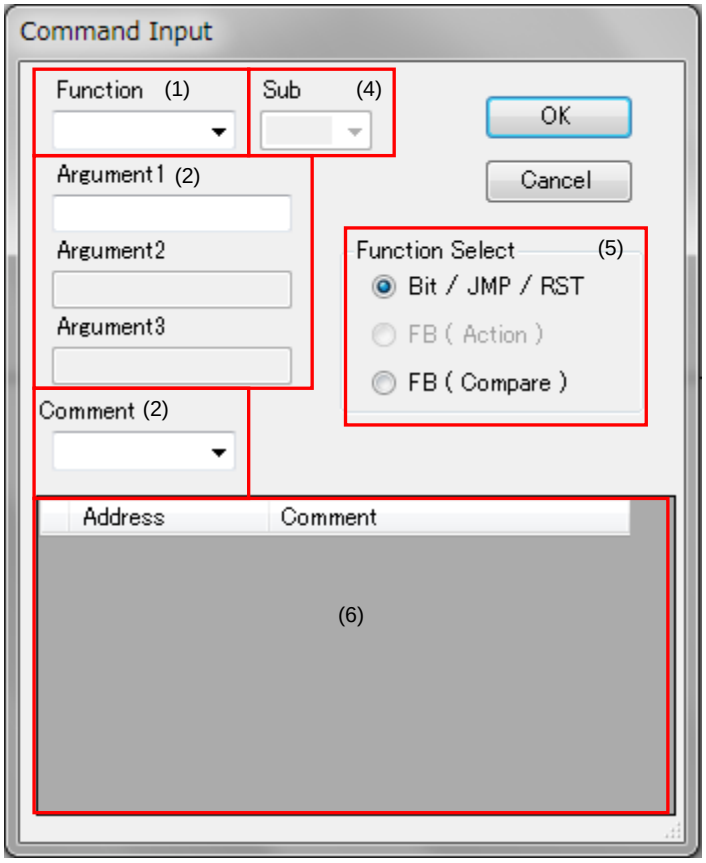


2.2.1 How to Input Command

(1) Function
Select command to use. Based on “(5) Fuction Select” setting, available commands are diferent.
(2) Argument1/ Argument2/ Argument3
Enter a specified argument for each command. Enter directly or select from “(6) address”.
(3) Comment
Comment is displayed in “(6) Address” according to the selection of “X, Y, M, D, T, C, PC, S, SD”.
(4) Sub
Specify data length to use when use comparison or transfer command.
Specify motor to use when use motor run command.
(5) Function Select

Function Select	Available command
Bit/JMP/RST	LD, LDI, LDF, OUT, INV, MEP, LBL, JMP, SET, RST, INC,DEC
FB(Action)	ADD, ANDD, CTD, CTU, FMOV, MOV, MRA, MRI, MRIC, ORD, PCT, RPZ, SFTL, SFTR, SUB, TON, TOF, TP, ZRST, ADD, SUB, MUL, DIV
FB(Compare)	EQ(=), GE(>=), GT(>), LE(<=), LT(<), NE(!=)

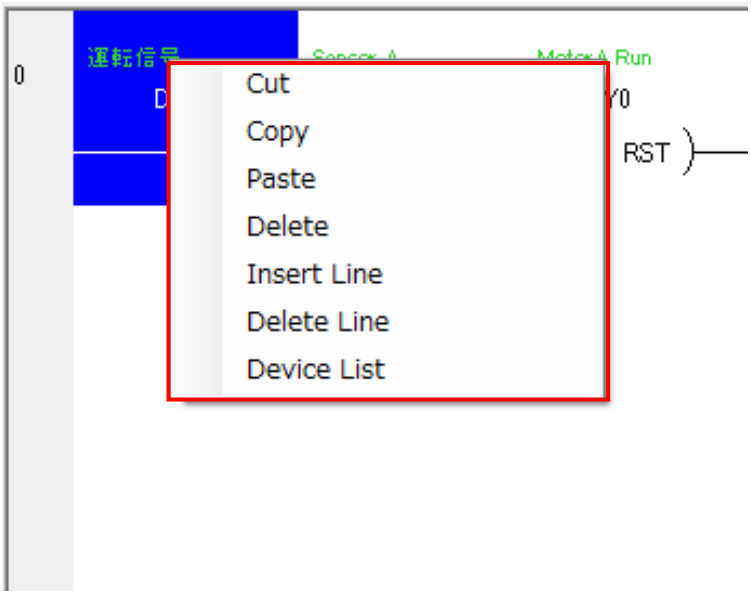
(6) Address
The allocation of each contact function is displayed.
The displayed contents is switched according to the setting of “(3) Comment”.
Comment can be entered to comment field in “(6) Address”.



・For each command settings, refer to Chapter 5 “Command”.

3 Right Click Menu on Creating Logic

Right click on logic creating screen, a logic menu is displayed.



Available menu options,

・Cut	Cut ladder command.
・Copy	Copy ladder command.
・Paste	Paste cut or copied ladder command.
・Delete	Delete ladder command.
・Insert a line	Insert a line to ladder.
・Delet a line	Delete a line to ladder.
・Device List	Display device list.

3.1 Device List

List of each commands are displayed.

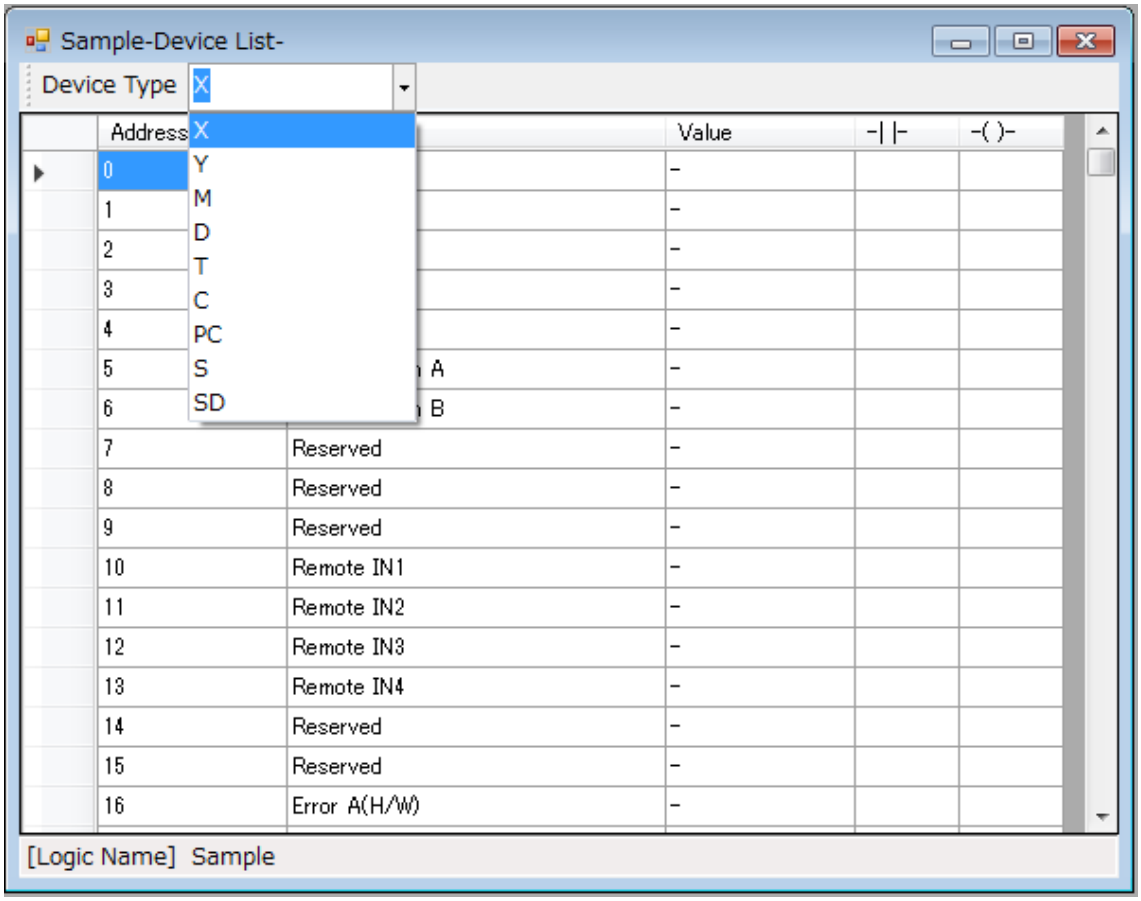
Click [Device List] from right click on logic create screen.

Selected contact list is displayed when select X, Y, M, D, T, C, PC, S or SD at “Device type”.

Comment can be entered in the comment field.

Present value is displayed in the value field during “(6) Logic monitor”.

In case of setting Device type to D, input a value by keyboard during monitor logic,
D register in IB controller can be change.



・The device in contact is displayed as “ * ”.
・The device using output in coil is displayed as “ * ”.