Demo Project of Data Block

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1. Overview and Operation

[Overview]

This demo project is to display Data Block function. It is able to display multiple addresses simultaneously.
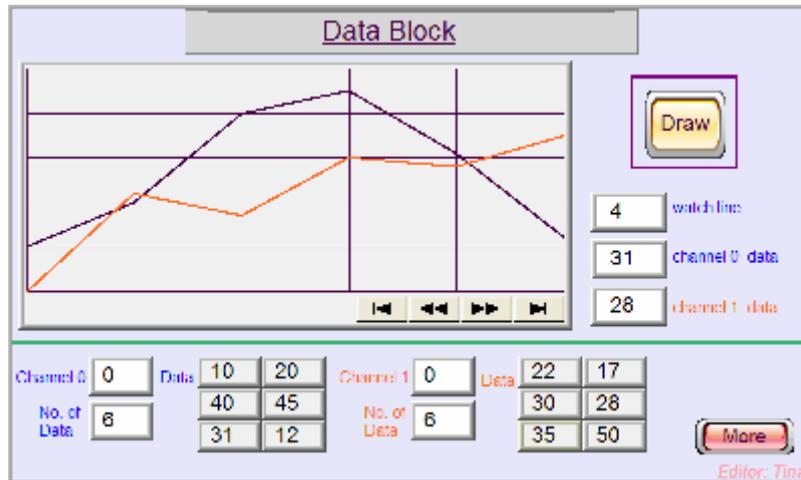

[Operation]

In this demo project, the bottom of screen shows data of two channels.

Watch line and watch point value is on the right side.

Click Draw for showing the graph

Watch point and value of point for two channels

Data of cannel 0 and channel 1 and control address
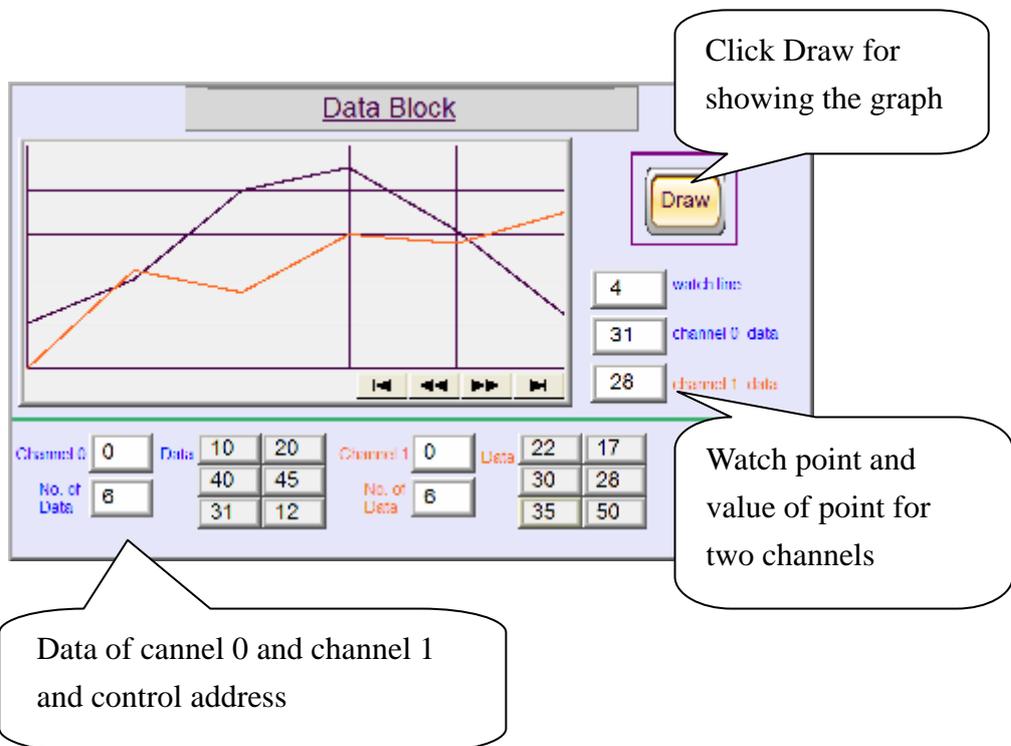
2. Setting up the screen

Set this feature in the project file as follow.

1. In the Objects area, click "Data Block" icon.
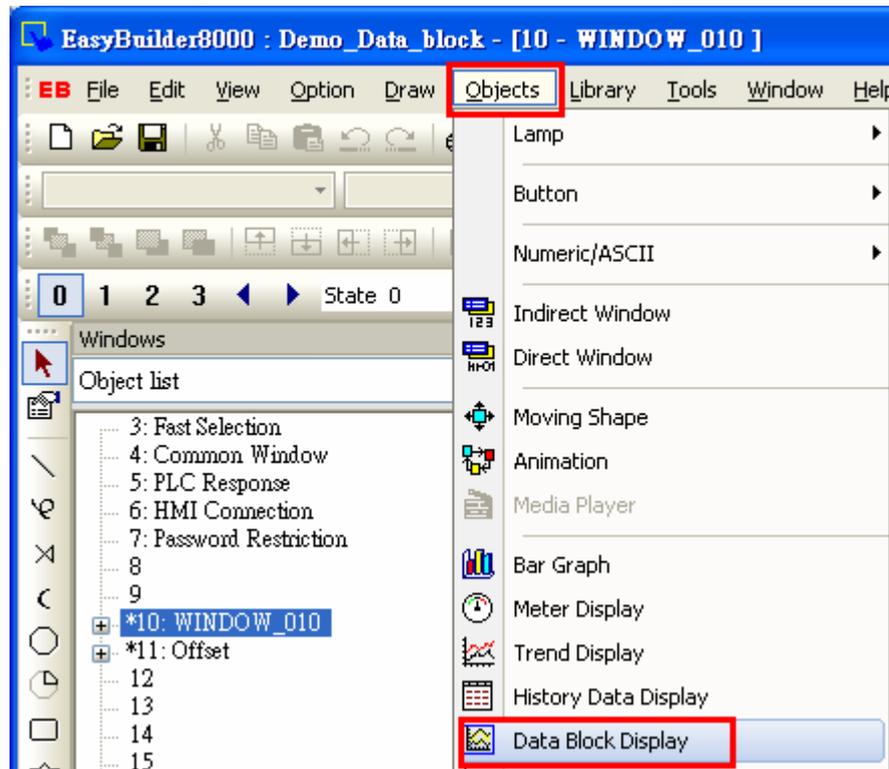
2. The Data Block dialog box opens. Set 3 steps in the General page.

Step 1. Set 2 in No. of channels for displaying in the Data Block.

Step 2. Set cursor line color and control address [LW1].

Step 3. Set the control address and limit for each channel.
Channel 0 control data address is LW10 and Channel 1 control data address is LW100. Users are able to see settings of each channel by changing [Channel] no.

Set 3 Setting steps in Display Area
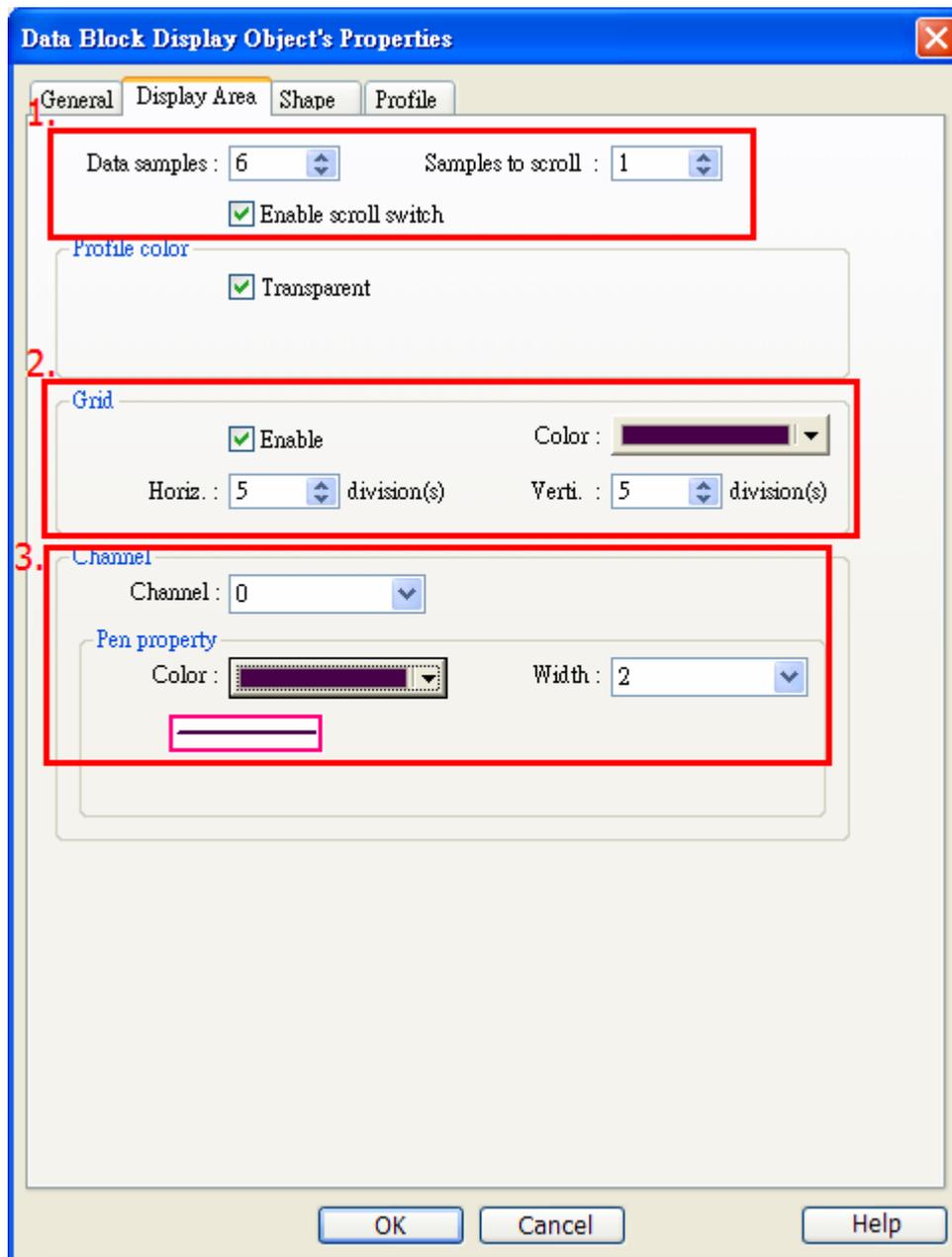
Step 1. Set the data samples, samples to scroll, frame and color of background.

Step 2. Set the Grid

Step 3. Set the Pen property for each channel.

3. Addresses

The addresses used in this demo project are listed below. Please change these addresses according to your system.

Addresses		Object's ID	Detail
Window 10			
Word	LW1	ND_0	Watch line
	LW2	ND_1	Channel 0 data
	LW3	ND_2	Channel 1 data
	LW10	NE_0	Channel 0 control word address
	LW11	NE_1	Channel 0 no. of data address
	LW12~LW17	NE_4,NE_6~NE_10	Channel 0 data storage start address
	LW100	NE_2	Channel 1 control word address
	LW101	NE_3	Channel 1 no. of data address
	LW102~LW107	NE_5,NE_11~NE_15	Channel 1 data storage start address
Function Key		FK_0	Go to window 11
Window 11			
Word	LW50	ND_0	Watch line
	LW51	ND_1	Channel 0 data
	LW52	ND_2	Channel 1 data
	LW60	NE_0	Channel 0 control word address
	LW61	NE_1	Channel 0 no. of data address
	LW62	NE_2	Channel 0 offset value storage address
	LW66~LW69	NE_6~NE_9	Channel 0 data addresses
	LW63	NE_3	Channel 1 control word address
	LW64	NE_4	Channel 1 no. of data address
	LW65	NE_5	Channel 1 offset value

			storage address
	LW70~LW73	NE_10~NE_13	Channel 1 data addresses