

Standard Screen Counter Display

Sample Screen Manual

Mitsubishi Electric Corporation

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REVISIONS

Sample Screen Manual

Date	Control No.*	Description
2014/8	BCN-P5999-0310	First edition

* The Control No. is noted at the lower right of each page.

Project Data

Date	Project data	GT Designer3*	Description
2014/8	Counter_V_Ver1_E.GTX	1.117X	First edition

* The version number of screen design software used to create the project data is listed. Please use the screen design software with the listed version or later.

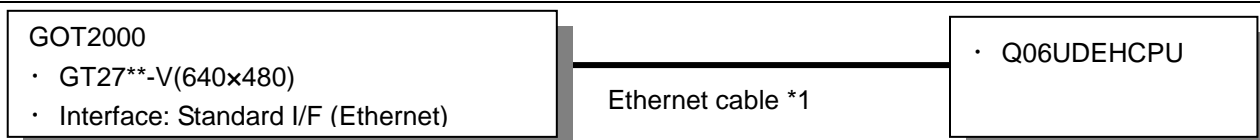
1. OUTLINE

This manual explains the sample screens of GOT2000 connected to a MELSEC-Q Series PLC (Q06UDEHCPU) via Ethernet, which can be used to display the counter set value/warning value/present value for each count target. The screens can also be used to change the set value/warning value or reset the present value.

1.1 Reusing Standard Screen Samples

Standard screen samples include multiple patterns of screens that can be used by the customers depending on the intended use. Screens should be reused for the customers screen data by using [Utilize Data (Screen)]. For more details about [Utilize Data (Screen)], please refer to the "GT Designer3 (GOT2000) Help".

2. SYSTEM CONFIGURATION



*1: For more details about the cable, please refer to the "GOT2000 Series Connection Manual (Mitsubishi Products)".

3. GOT

3.1 System Applications That Are Automatically Selected

Type	System application name	
Standard Function	Standard System Application	
	Standard Font	Japanese
Communication Driver	Ethernet Connection	Ethernet(MELSEC), Q17nNC, CRnD-700, Gateway
Extended Function	Standard Font	Chinese (Simplified)
	Outline Font	Alphanumeric/Kana
		Japanese (Kanji)
		Chinese (Simplified)

3.2 Controller Setting of Screen Design Software

Detail Setting

Item	Set value	Remarks
GOT NET No.	1	
GOT Station	2	
GOT Standard Ethernet Setting	Refer to table below	
GOT Communication Port No.	5001	
Retry (Times)	3	
Startup Time (Sec)	3	
Timeout Time (Sec)	3	
Delay Time (ms)	0	

GOT Standard Ethernet Setting

Item	Set value	Remarks
Reflect GOT Standard Ethernet setting in the GOT	Checked	
GOT IP Address	192.168.3.18	
Subnet Mask	255.255.255.0	
Default Gateway	0.0.0.0	
Peripheral S/W Communication Port No.	5015	
Transparent Port No.	5014	

3.3 Ethernet Setting of Screen Design Software

	Host	Net No.	Station	Unit Type	IP Address	Port No.	Communication
1	*	1	1	QnUD(P)V/QnUDEH	192.168.3.39	5006	UDP

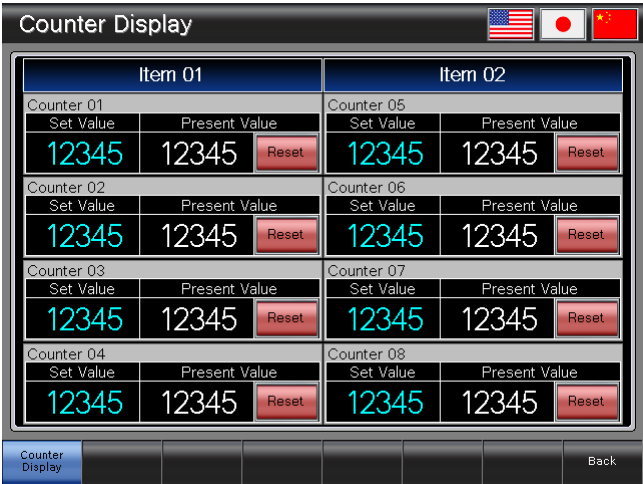
4. SCREEN SPECIFICATIONS

4.1 Display Language

The language of the text displayed on the screen can be switched between Japanese, English and Chinese (Simplified). The text strings in each language are registered in the columns No.1 to No.3 in the comment groups No.371 to No.374 as shown below. When the column No. is set in the language switching device, the language corresponding to the column No. will appear.

Column No.	Language
1	English
2	Japanese
3	Chinese (Simplified)

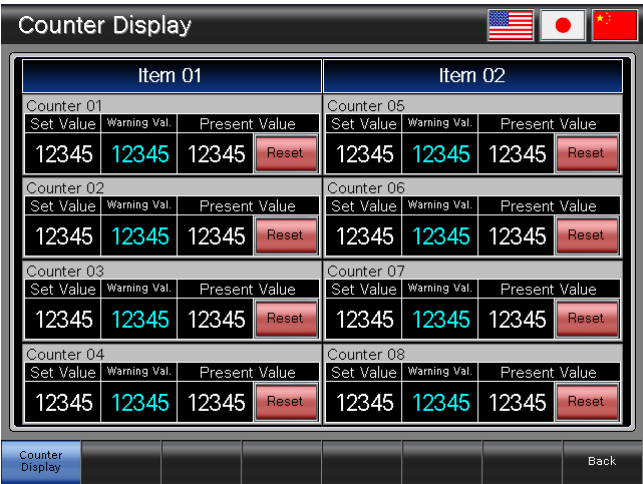
4.2 Screen List/Transition



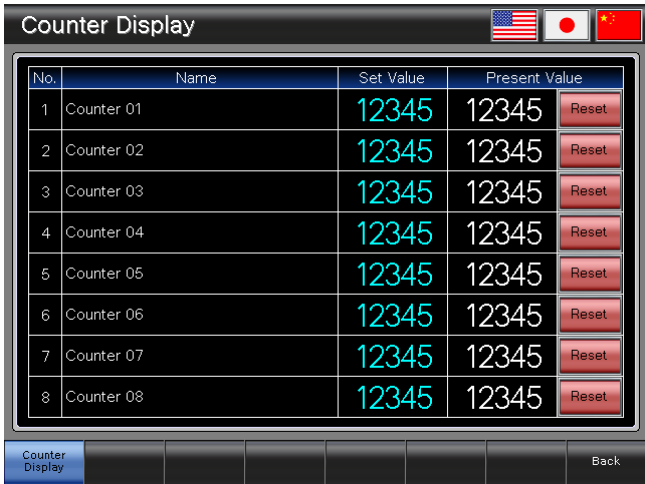
Base screen B-30001: Counter Display 1



Base screen B-30003: Counter Display 3



Base screen B-30002: Counter Display 2



Base screen B-30004: Counter Display 4

4.3 Explanation of Screens

4.3.1 Counter Display 1(B-30001)



Outline

This screen displays the counter set value/present value for each count target. The screen can also be used to change the set value or reset the present value.

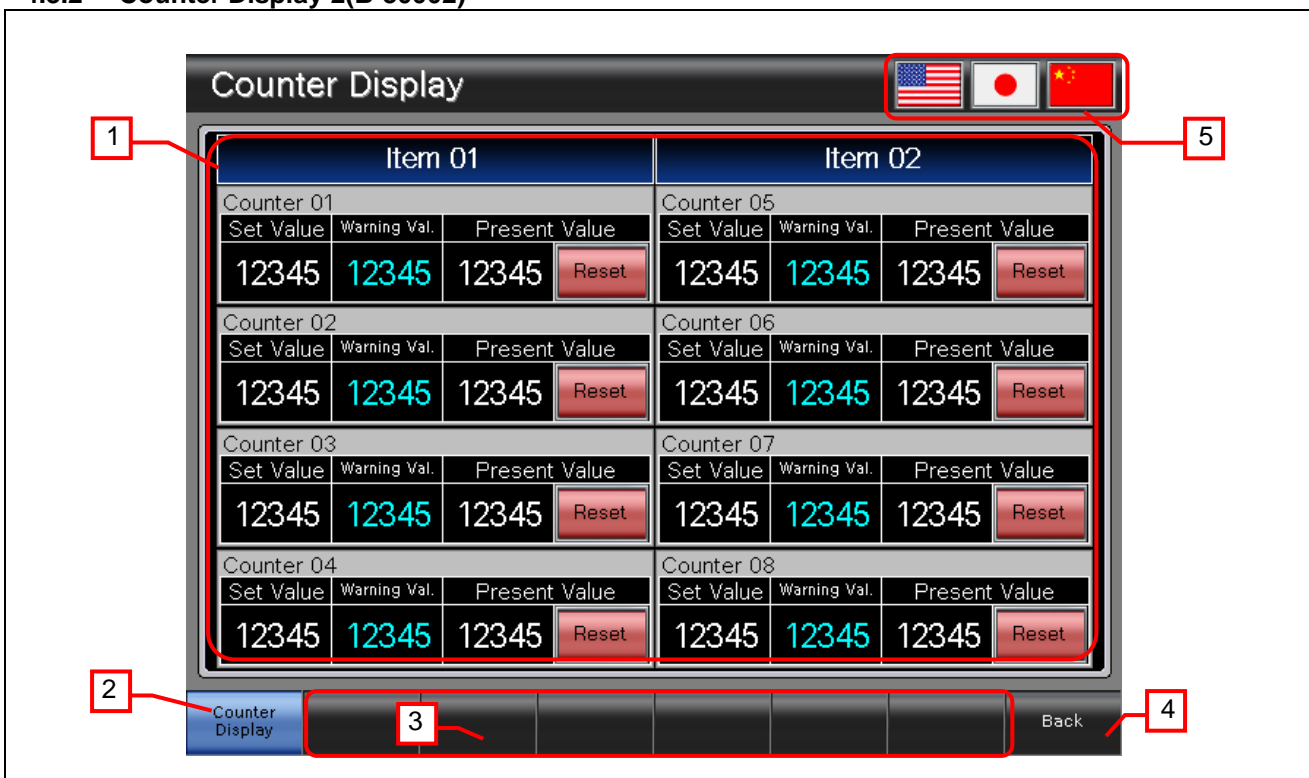
Description

1. The set value can be changed.
The numerical color of the set value changes depending on the condition.
Less than the set value : white
Greater than or equal to the set value : red
The [Reset] switch resets the set value. Please press it for 3 seconds to activate.
2. The switch indicates the currently displayed screen, thus selecting this switch will not switch screens.
3. Shows unused switches for base screen switching.
4. Switches to the previously opened screen.
5. Switches languages.

Remarks

- To the switches marked with No.5, settings are made to switch system languages in conjunction with the change of the display language.
- Please create the ladder program for incrementing the present value of each counter.

4.3.2 Counter Display 2(B-30002)



Outline

This screen displays the counter set value/warning value/present value for each count target. The screen can also be used to change the set value/warning value or reset the present value.

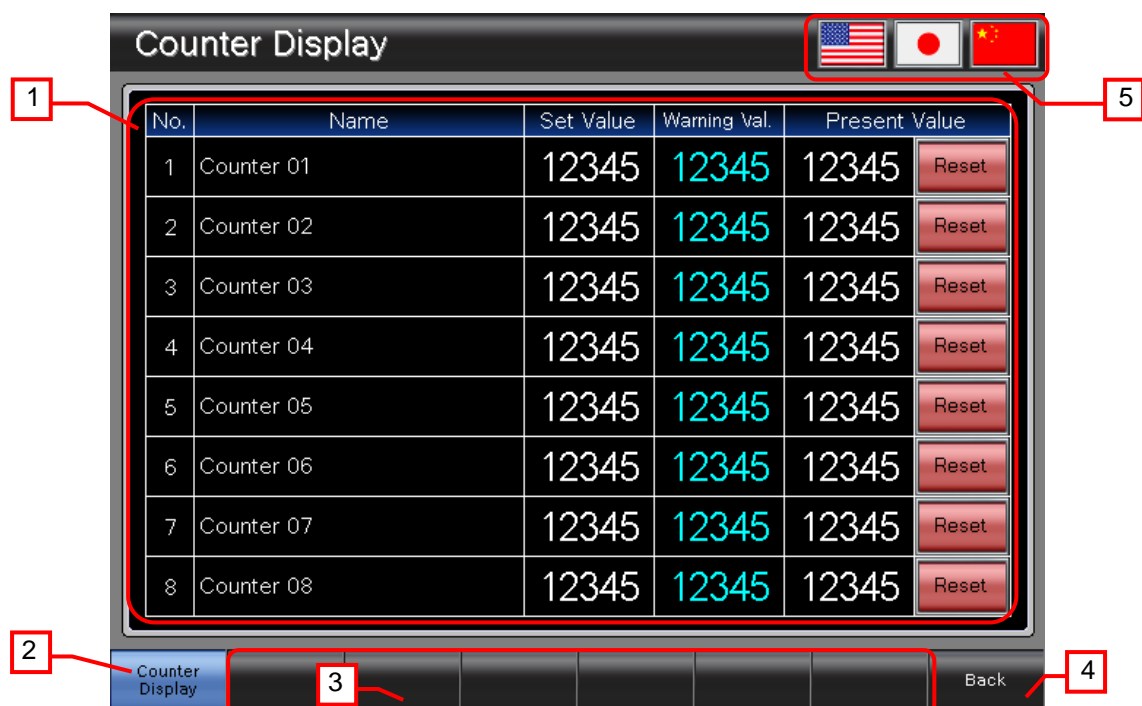
Description

1. The set value and the warning value can be changed.
The numerical color of the set value changes depending on the condition.
Less than the warning value : white
Greater than or equal to the warning value and less than the set value : yellow
Greater than or equal to the set value : red
The [Reset] switch resets the set value. Please press it for 3 seconds to activate.
2. The switch indicates the currently displayed screen, thus selecting this switch will not switch screens.
3. Shows unused switches for base screen switching.
4. Switches to the previously opened screen.
5. Switches languages.

Remarks

- To the switches marked with No.5, settings are made to switch system languages in conjunction with the change of the display language.
- Please create the ladder program for incrementing the present value of each counter.
- In order to alarm before the present value reaching the set value, warning value is set. After setting the warning value, the numerical color of the present value changes for alarm before reaching the set value.

4.3.3 Counter Display 3(B-30003)



Outline

This screen displays the counter set value/warning value/present value for each count target. The screen can also be used to change the set value/warning value or reset the present value.

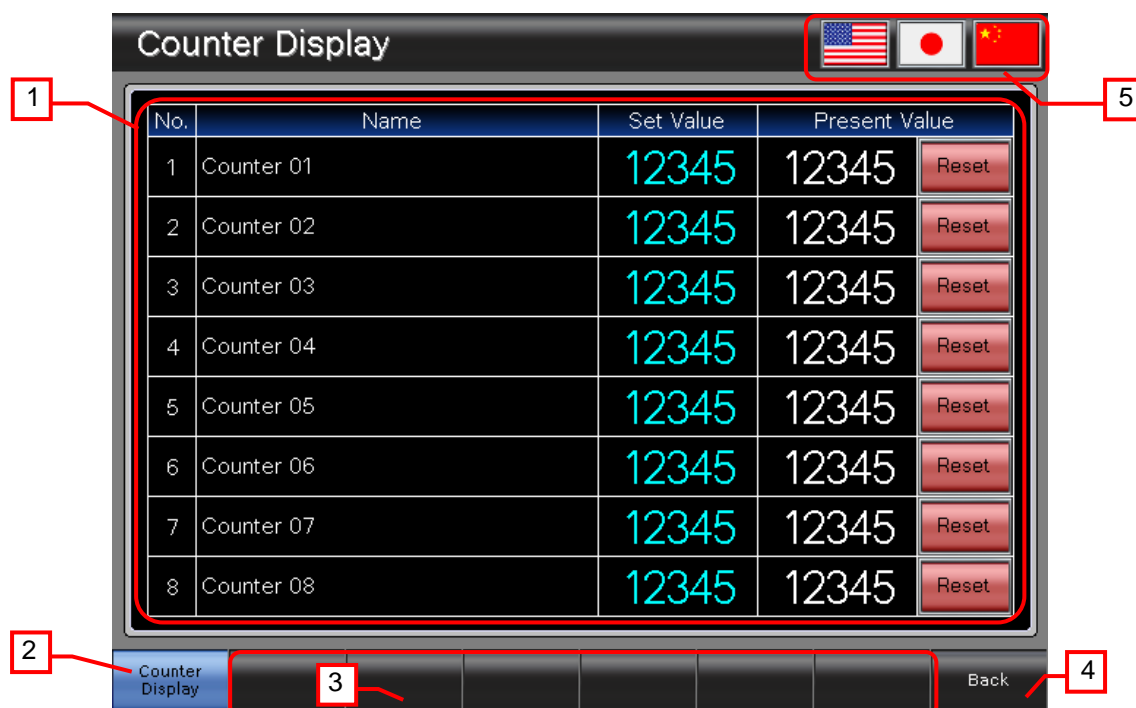
Description

- The set value and the warning value can be changed.
The numerical color of the set value changes depending on the condition.
Less than the warning value : white
Greater than or equal to the warning value and less than the set value : yellow
Greater than or equal to the set value : red
The [Reset] switch resets the set value. Please press it for 3 seconds to activate.
- The switch indicates the currently displayed screen, thus selecting this switch will not switch screens.
- Shows unused switches for base screen switching.
- Switches to the previously opened screen.
- Switches languages.

Remarks

- To the switches marked with No.5, settings are made to switch system languages in conjunction with the change of the display language.
- Please create the ladder program for incrementing the present value of each counter.
- In order to alarm before the present value reaching the set value, warning value is set. After setting the warning value, the numerical color of the present value changes for alarm before reaching the set value.

4.3.4 Counter Display 4(B-30004)



Outline

This screen displays the counter set value/present value for each count target. The screen can also be used to change the set value or reset the present value.

Description

1. The set value can be changed.
The numerical color of the set value changes depending on the condition.
Less than the set value : white
Greater than or equal to the set value : red
The [Reset] switch resets the set value. Please press it for 3 seconds to activate.
2. The switch indicates the currently displayed screen, thus selecting this switch will not switch screens.
3. Shows unused switches for base screen switching.
4. Switches to the previously opened screen.
5. Switches languages.

Remarks

- To the switches marked with No.5, settings are made to switch system languages in conjunction with the change of the display language.
- Please create the ladder program for incrementing the present value of each counter.

4.4 Device List

Some of the devices specified to the on-screen switches and lamps, etc., are also used for common settings of functions such as scripts. Using [Batch Edit] is recommended to change these devices in a batch. For more details about using [Batch Edit], please refer to the "GT Designer3 (GOT2000) Help".

4.4.1 Devices of the controller

Type	Device No.	Application
Bit	Not used	
Word	D0 to D7	For Set Value
	D100 to D107	For Warning Value
	D200 to D207	For Present Value

4.4.2 GOT internal devices

Type	Device No.	Application
Bit	Not used	
Word	GD60000	Base Screen Switching
	GD60021	Language Switching
	GD60022	System Language Switching

4.5 Comment List

Comment group No.	Where comments are used
371	B-30001
372	B-30002
373	B-30003
374	B-30004

5. TEMPLATES

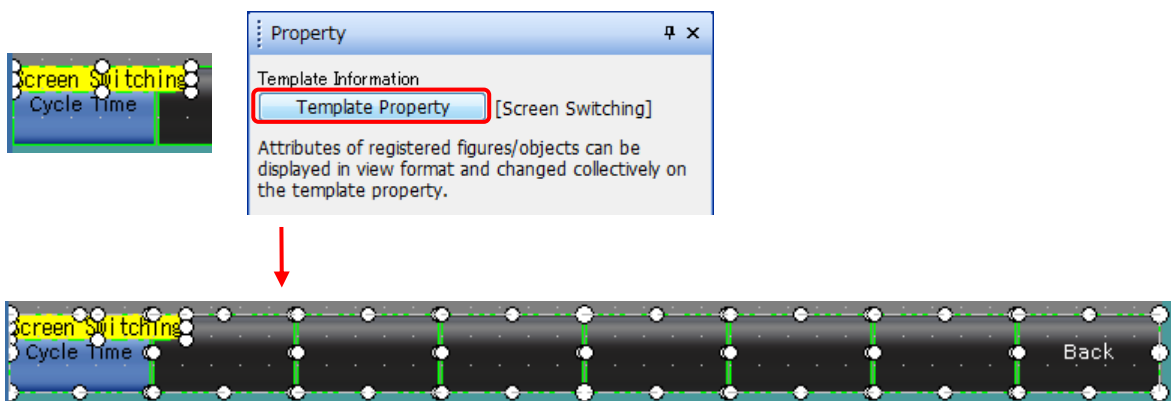
Templates are a group of figures and objects. Related settings are grouped into template attributes and registered, so the devices and colors, etc. can be easily changed in a batch. For more details about changing the attribute settings, please refer to the "GT Designer3 (GOT2000) Help".



The template information is only displayed on the screen design software's editing screen. It is not displayed on the GOT display screen.

Example: Changing the color of switches (Each Screen)

(1) Select [Template Information], and click on [Template Property] (or double-click [Template Information]).



The figures and objects that are registered in the template are changed to the selected state.

(2) Double-click on [Setting Value] of [Switch(Each Screen)_Shape Color], and select the new color.

