YRC1000micro OPTIONS
INSTRUCTIONS
FOR INTERFACE PANEL FUNCTION

Upon receipt of the product and prior to initial operation, read these instructions thoroughly, and retain for future reference.

MOTOMAN INSTRUCTIONS

MOTOMAN-□□□ INSTRUCTIONS
YRC1000micro INSTRUCTIONS
YRC1000micro OPERATOR’S MANUAL
YRC1000micro MAINTENANCE MANUAL
YRC1000micro ALARM CODES (MAJOR ALARMS) (MINOR ALARMS)

The YRC1000micro alarm codes above consists of “MAJOR ALARMS” and “MINOR ALARMS”.

Please have the following information available when contacting Yaskawa Customer Support:
- System
- Primary Application
- Software Version (Located on Programming Pendant by selecting: 
  {Main Menu} - {System Info} - {Version})
- Robot Serial Number (Located on robot data plate)
- Robot Sales Order Number (Located on controller data plate)

Part Number: 181286-1CD
Revision: 0
DANGER

• This manual explains the interface panel function of the YRC1000micro system. Read this manual carefully and be sure to understand its contents before handling the YRC1000micro. Any matter not described in this manual must be regarded as "prohibited" or "improper".

• General information related to safety are described in "Chapter 1. Safety" of the YRC1000micro INSTRUCTIONS. To ensure correct and safe operation, carefully read "Chapter 1. Safety" of the YRC1000micro INSTRUCTIONS.

CAUTION

• In some drawings in this manual, protective covers or shields are removed to show details. Make sure that all the covers or shields are installed in place before operating this product.

• YASKAWA is not responsible for incidents arising from unauthorized modification of its products. Unauthorized modification voids the product warranty.

NOTICE

• The drawings and photos in this manual are representative examples and differences may exist between them and the delivered product.

• YASKAWA may modify this model without notice when necessary due to product improvements, modifications, or changes in specifications. If such modification is made, the manual number will also be revised.

• If your copy of the manual is damaged or lost, contact a YASKAWA representative to order a new copy. The representatives are listed on the back cover. Be sure to tell the representative the manual number listed on the front cover.
Notes for Safe Operation

Read this manual carefully before installation, operation, maintenance, or inspection of the YRC1000micro.

In this manual, the Notes for Safe Operation are classified as “DANGER”, “WARNING”, “CAUTION”, or “NOTICE”.

**DANGER**
Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. Safety Signs identified by the signal word DANGER should be used sparingly and only for those situations presenting the most serious hazards.

**WARNING**
Indicates a potentially hazardous situation which, if not avoided, will result in death or serious injury. Hazards identified by the signal word WARNING present a lesser degree of risk of injury or death than those identified by the signal word DANGER.

**CAUTION**
Indicates a hazardous situation, which if not avoided, could result in minor or moderate injury. It may also be used without the safety alert symbol as an alternative to “NOTICE”.

**NOTICE**
NOTICE is the preferred signal word to address practices not related to personal injury. The safety alert symbol should not be used with this signal word. As an alternative to “NOTICE”, the word “CAUTION” without the safety alert symbol may be used to indicate a message not related to personal injury.

Even items described as “CAUTION” may result in a serious accident in some situations. At any rate, be sure to follow these important items.

**NOTE**
To ensure safe and efficient operation at all times, be sure to follow all instructions, even if not designated as “DANGER”, “WARNING” and “CAUTION”.

---

HW1484466 3/43
• Before operating the manipulator, make sure the servo power is turned OFF by performing the following operations. When the servo power is turned OFF, the SERVO ON LED on the programming pendant is turned OFF.
  – Press the emergency stop button on the programming pendant or on the external control device, etc.
  – Disconnect the safety plug of the safety fence. (when in the play mode or in the remote mode)
If operation of the manipulator cannot be stopped in an emergency, personal injury and/or equipment damage may result.

Fig. : Emergency Stop Button

• Before releasing the emergency stop, make sure to remove the obstacle or error caused the emergency stop, if any, and then turn the servo power ON.
Failure to observe this instruction may cause unintended movement of the manipulator, which may result in personal injury.

Fig. : Release of Emergency Stop

• Observe the following precautions when performing a teaching operation within the manipulator's operating range:
  – Be sure to perform lockout by putting a lockout device on the safety fence when going into the area enclosed by the safety fence. In addition, the operator of the teaching operation must display the sign that the operation is being performed so that no other person closes the safety fence.
  – View the manipulator from the front whenever possible.
  – Always follow the predetermined operating procedure.
  – Always keep in mind emergency response measures against the manipulator’s unexpected movement toward a person.
  – Ensure a safe place to retreat in case of emergency.
Failure to observe this instruction may cause improper or unintended movement of the manipulator, which may result in personal injury.

• Confirm that no person is present in the manipulator's operating range and that the operator is in a safe location before:
  – Turning ON the YRC1000micro power
  – Moving the manipulator by using the programming pendant
  – Running the system in the check mode
  – Performing automatic operations
Personal injury may result if a person enters the manipulator’s operating range during operation. Immediately press an emergency stop button whenever there is a problem. The emergency stop button is located on the right of the programming pendant.

• Read and understand the Explanation of the Warning Labels before operating the manipulator.
DANGER

• In the case of not using the programming pendant, be sure to supply the emergency stop button on the equipment. Then before operating the manipulator, check to be sure that the servo power is turned OFF by pressing the emergency stop button. Connect the external emergency stop button to the 4-14 pin and 5-15 pin of the Safety connector (Safety).

• Upon shipment of the YRC1000micro, this signal is connected by a jumper cable in the dummy connector. To use the signal, make sure to supply a new connector, and then input it. If the signal is input with the jumper cable connected, it does not function, which may result in personal injury or equipment damage.

WARNING

• Perform the following inspection procedures prior to conducting manipulator teaching. If there is any problem, immediately take necessary steps to solve it, such as maintenance and repair.
  – Check for a problem in manipulator movement.
  – Check for damage to insulation and sheathing of external wires.

• Return the programming pendant to a safe place after use. If the programming pendant is left unattended on the manipulator, on a fixture, or on the floor, etc., the Enable Switch may be activated due to surface irregularities of where it is left, and the servo power may be turned ON. In addition, in case the operation of the manipulator starts, the manipulator or the tool may hit the programming pendant left unattended, which may result in personal injury and/or equipment damage.
Definition of Terms Used Often in This Manual

The MOTOMAN is the YASKAWA industrial robot product.

The MOTOMAN usually consists of the manipulator, the YRC1000micro controller, manipulator cables, the YRC1000micro programming pendant (optional), and the YRC1000micro programming pendant dummy connector (optional).

In this manual, the equipment is designated as follows:

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Manual Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>YRC1000micro controller</td>
<td>YRC1000micro</td>
</tr>
<tr>
<td>YRC1000micro programming pendant</td>
<td>Programming pendant (optional)</td>
</tr>
<tr>
<td>Cable between the manipulator and the controller</td>
<td>Manipulator cable</td>
</tr>
<tr>
<td>YRC1000micro programming pendant dummy connector</td>
<td>Programming pendant dummy connector (optional)</td>
</tr>
</tbody>
</table>

Descriptions of the programming pendant keys, buttons, and displays are shown as follows:

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Manual Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Programming Pendant</td>
<td>Character Keys /Symbol Keys</td>
</tr>
<tr>
<td></td>
<td>The keys which have characters or symbols printed on them are denoted with [ ]. ex. [ENTER]</td>
</tr>
<tr>
<td></td>
<td>Axis Keys /Number Keys [Axis Key] and [Numeric Key] are generic names for the keys for axis operation and number input.</td>
</tr>
<tr>
<td></td>
<td>Keys pressed simultaneously When two keys are to be pressed simultaneously, the keys are shown with a &quot;+&quot; sign between them, ex. [SHIFT]+[COORD]</td>
</tr>
<tr>
<td></td>
<td>Mode Key Three kinds of modes that can be selected by the mode key are denoted as follows: REMOTE, PLAY, or TEACH</td>
</tr>
<tr>
<td></td>
<td>Button Three buttons on the upper side of the programming pendant are denoted as follows: HOLD button START button EMERGENCY STOP button</td>
</tr>
<tr>
<td></td>
<td>Displays The menu displayed in the programming pendant is denoted with { }. e.g. {JOB}</td>
</tr>
<tr>
<td></td>
<td>PC Keyboard The name of the key is denoted, e.g. Ctrl key on the keyboard</td>
</tr>
</tbody>
</table>
Description of the Operation Procedure

In the explanation of the operation procedure, the expression "Select • • • " means that the cursor is moved to the object item and [SELECT] is pressed, or that the item is directly selected by touching the screen.

Registered Trademark

In this manual, names of companies, corporations, or products are trademarks, registered trademarks, or brand names for each company or corporation. The indications of (R) and TM are omitted.
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<thead>
<tr>
<th>Contents</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>6.2.1 Notification of the Status of General Input Signals</td>
<td>6-5</td>
</tr>
</tbody>
</table>
1 Outline of Interface Panel Function

This function makes the system construction simple and enables the reduction of operation panel and Interlock panel (hereinafter called "I/L panel") by holding the roles of operation panel and I/L board in the programming pendant (hereinafter called "PP").

Users can construct the arbitrary operation panel for PP by setting data in Interface panel setting screen.
2 Display and Operations of Panel Screen

2.1 Interface Panel Display

2.1.1 Panel Screen Display

Follow the operations as below to display the Interface panel.

1. Press {I/F Panel}.
   - The interface panel screen is displayed.

2. Press {I/F Panel} while the Interface panel appears on the screen.
   - The screen goes back to the previous display.

Due to some conditions during an operation, Interface panel may not appear on the screen.

In that case, the message “Cannot display at current operation mode” appears when {I/F Panel} is pressed.
2.1.2 Panel Screen Operation by Touch Panel

Follow the operations as below to perform ON/OFF operation on the panel screen by Touch panel.

1. Hold down [INTERLOCK] and select an appropriate button on the Touch panel.
### 2.1.3 Panel Screen Operation by PP Keys

Follow the operations as below to perform ON/OFF operation on the panel screen by PP keys.

1. Use the cursor to move to the place where ON/OFF operation is to be performed.

2. Hold down [INTERLOCK] and press [SELECT].

**Supplement**

Set the item “INTERLOCK ENABLE” in the I/F PANEL SETUP screen to “PERMIT”, and operations are allowed without pressing the [INTERLOCK].

See the item No.8 “Interlock Enable” in the table “table 3-2 "Data of Each Setting Items" of chapter 3.2 "Details on Interface Panel Setting Items”.

**Supplement**

Set the following parameter to “1” to allow operations only by the Touch panel (prohibiting the operations by cursor key).

Parameter: S2C399 (IF panel operation by cursor key)

0: Enable, 1: Disable

### 2.1.4 Numeric Display

Follow the operations as below to display numeric values on the panel screen

1. Set the item "PANEL TYPE" in the I/F PANEL SETUP screen to either "Counter" or "Preset counter".

   - Numeric value will be displayed in either three-digit number or six-digit number according to the setting of indicated value.

   - If the indicated value exceeds the specified number of digits (three-digit or six-digit), an asterisk *** appears instead of numeric value.

Three-digit display: ****** Six-digit display: *******
2 Display and Operations of Panel Screen

2.1 Interface Panel Display

2.1.5 Input of Numeric Value

1. Set the item "PANEL TYPE" in the I/F PANEL SETUP screen to "Preset counter".

2. Hold down [INTERLOCK] and touch the icon of "Preset counter" or move the cursor to the icon of "Preset counter", then press [SELECT].
   
   – Numeric values can now be entered in the Preset counter.

   Three-digit display: 
   ![Three-digit display]

   Six-digit display: 
   ![Six-digit display]

3. Enter numeric values with the numeric keypad.
   
   – Numeric values in the range from -99 to 999 can be entered in the three-digit preset counter. Numeric values in the range from -99999 to 999999 can be entered in the six-digit preset counter. No other numeric value is unable to be set except for the possible range of settings shown below:
   
   – <Possible range of settings>

   B-variable: 0 to 255
   I-variable: -32768 to 32767
   Register: 0 to 65535

   **NOTE** Numeric values cannot be entered in the Preset counter during playback.

2.1.6 Change of Panel Screen

Follow the operations as below to change the file number of Interface panel.

There are two ways of changing file number.

1. Press the [PAGE].
   
   – The group changes one by one in the forward direction.
   – When the 15th page is displayed, return to the first page.

2. Instruct the group to be shown by the Touch panel directly.
   
   – When touching the button name of the group to show, the selected group is displayed.
   – Press → to display the buttons of the next five groups which the group is currently displaying.
   – Press [SHIFT], while holding down the key, the buttons of the next five groups which the group is currently displaying are displayed.
2.1.7 Change of Language on Screen

The language can be changed only when bilingual function is enabled.

1. Hold down [SHIFT] and press [AREA].

- The language on the screen changes.

Unless panel names and group names are set in each language mode, the panel names and group names will not be displayed when the screen is changed to the subject language mode.

In such a case, set the panel names and group names in the subject language mode.
Set the security level to "Management" mode.

Follow the operations as below to open I/F panel setting screen.

1. Select {SYSTEM INFO} under the main menu.

2. Select {I/F PANEL SETUP}.
   
   - The I/F panel setting screen appears.
3.1 Setting Procedure

The procedure in the case of setting up the following table is shown.

*Table 3-1: Example of I/F Panel Setting*

<table>
<thead>
<tr>
<th>Items</th>
<th>Set Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARRANGE</td>
<td>1A</td>
</tr>
<tr>
<td>SETUP</td>
<td>INVAL ID</td>
</tr>
<tr>
<td>PANEL TYPE</td>
<td>COUNTER</td>
</tr>
<tr>
<td></td>
<td>3 FIGURES</td>
</tr>
<tr>
<td>PANEL COLOR</td>
<td>BLACK</td>
</tr>
<tr>
<td>PANEL NAME</td>
<td>COUNTER U</td>
</tr>
<tr>
<td></td>
<td>COUNTER M</td>
</tr>
<tr>
<td></td>
<td>COUNTER D</td>
</tr>
<tr>
<td>TEXT COLOR</td>
<td>BLACK</td>
</tr>
<tr>
<td>SECURITY</td>
<td>OPERATION</td>
</tr>
<tr>
<td>INTER LOCK ENABLE</td>
<td>PERMIT</td>
</tr>
<tr>
<td>INPUT(DISP)</td>
<td>B VARIABLE B000</td>
</tr>
<tr>
<td>GROUP NAME</td>
<td>MAIN</td>
</tr>
</tbody>
</table>
3 Data Setting and Touch Panel I/F Instructions

3.1 Setting Procedure

3.1.1 I/F Panel Setting Data and Display Position

1. Move the cursor to the item "ARRANGE" in the I/F panel setting screen, then press [SELECT].
   - The arrangement setting screen appears.
   - An item with an asterisk "*" indicates that the item has already been set (the setting is enabled).
   - The display position of set data is as follows:

2. Move the cursor to the position where the item is to be arranged and press [SELECT].
   - Using the [PAGE] or the (PAGE) button changes the control group of the arrangement setting screen and a user can select the position where the item is to be arranged.
3.1.2 Editing of Setup

1. Move the cursor to the item "SETUP" in the I/F panel setting screen and press [SELECT].
   - The status of "SETUP" switches between "VALID" and "INVALID" with each pressing of [SELECT].
   - If the items "INPUT (DISP)" and "OUTPUT (SETUP)" in the I/F panel setting screen are not set, the status of "SETUP" cannot be set to "VALID". (See the No.2 "SETUP" in the table "Data of Each Setting Items" of chapter 3.2 "Details on Interface Panel Setting Items".)
3.1.3 Editing of Panel Type

1. Move the cursor to the item "PANEL TYPE" in the I/F panel setting screen and press [SELECT].
   - The list of panel types is displayed.

2. Move the cursor to the panel type to be selected and press [SELECT].

3.1.4 Editing of Panel Color

1. Move the cursor to the item "PANEL COLOR" in the I/F panel setting screen and press [SELECT].
   - The list of panel colors is displayed.

2. Move the cursor to the panel color to be selected and press [SELECT].
3.1.5 Editing of Panel Name

1. Move the cursor to the item "PANEL NAME" in the I/F panel setting screen and press [SELECT].
   - The soft key pad screen appears.

2. Enter the desired panel name up to 10 one-byte characters.

For character entry operation, refer to "Chap. 1.2.6 Character Input" in "YRC1000micro OPERATOR'S MANUAL(RE-CSO-A058)".

3.1.6 Editing of Text Color

1. Move the cursor to the item "TEXT COLOR" in the I/F panel setting screen and press [SELECT].

2. Move the cursor to the text color to be selected and press [SELECT].
3.1.7 Editing of Security

1. Move the cursor to the item "SECURITY" in the I/F panel setting screen and press [SELECT].
   - The list of security modes is displayed.

2. Move the cursor to the security mode to be selected and press [SELECT].
### 3.1.8 Editing of Interlock Enable

1. Move the cursor to the item "INTERLOCK ENABLE" in the I/F panel setting screen and press [SELECT].

   - The status of INTERLOCK ENABLE switches between "PROHIBIT" and "PERMIT" with each pressing of [SELECT].

   ![Interlock Enable Panel](image)

   **NOTE**
   
   Be aware that operations are allowed without pressing the [INTERLOCK] simultaneously if the item "INTERLOCK ENABLE" is set to "PERMIT".
3.1.9 Editing of Input

1. Move the cursor to the item "INPUT (DISP)" in the I/F panel setting screen and press [SELECT].
   - The list of input items is displayed.

2. Move the cursor to the input No. setting area on the right of {INPUT (DISP)}, and press [SELECT].
   - Enter the numeric input mode.

3. Enter the input No. with the numeric keypad, and press [ENTER].
3.10 Editing of Group Name

1. Select {EDIT} from the menu on the I/F panel setting screen.

   ![Image of the I/F panel setting screen showing the GROUP NAME menu]

2. Select {Group Name}.

   - The virtual keypad is displayed.

   ![Image of the virtual keypad]

3. Enter a new group name (up to 12 one-byte characters).

   For character entry operation, refer to "Chap. 1.2.6 Character Input" in "YRC1000micro OPERATOR'S MANUAL(RE-CSO-A058)".
3.1 Setting Procedure

- The new group name is displayed in the I/F panel setting screen.

4. Press [I/F PANEL] to display the I/F PANEL screen.

- The new group name is displayed in the I/F panel setting screen.
3.1.11 Initialization of Set Data

Perform the following procedures to completely initialize the data which have been set.

1. Select {DATA} from the menu on the I/F panel setting screen.

2. Select {Initialize File}.
   - The confirmation dialog box to proceed with initialization appears.

3. Press “Yes” to initialize.
   - The file has been initialized.
### 3.2 Details on Interface Panel Setting Items

The following describe details on the setting items of the Interface panel screen.

Refer to them as required when setting the Interface panel data.

#### Table 3-2: Data of Each Setting Items  *(Sheet 1 of 2)*

<table>
<thead>
<tr>
<th>No.</th>
<th>Items</th>
<th>Explanations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Arrangement</td>
<td>32 positions in total: 1A to 4H</td>
</tr>
</tbody>
</table>
| 2   | Setup             | 0: INVALID, 1: VALID  
                 | \( \Rightarrow \) INVALID: the setup status can be changed from Valid to Invalid without conditions.  
                 | \( \Rightarrow \) VALID: When the set parameter is OK after checking, the status can be changed from Invalid to Valid.  
                 | The following setting is required for VALID status:  
                 | <When Icon type is circle, square, or selector switch>  
                 | Input: Signal  
                 | Output: none or within the range of general output signals  
                 | <When Icon type is counter>  
                 | Input: B-variable, I-variable, or register  
                 | <When Icon type is preset counter>  
                 | Input: B-variable, I-variable, or register  
                 | Output: B-variable, I-variable, or register  
                 | * If the setting item is edited in the Valid status, the status becomes Invalid. |
| 3   | Panel Type        | 0: Circle indication light (display only)  
                 | 2: Circle indication light (push-lock/push-release button)  
                 | 4: Square indication light 1 (push button)  
                 | 6: Square indication light 2 (display only)  
                 | 8: Square indication light 2 (push-lock/push-release button)  
                 | 10: Selector switch (right: ON)  
                 | 12: Counter (3-digit display)  
                 | 14: Preset counter (3-digit display)  
                 | 1: Circle indication light (push button)  
                 | 3: Square indication light 1 (display only)  
                 | 5: Square indication light 1 (push-lock/push-release button)  
                 | 7: Square indication light 2 (push button)  
                 | 9: Selector switch (left: ON)  
                 | 11: Counter (6-digit display)  
                 | 13: Preset counter (6-digit display) |
| 5   | Panel Name        | 10 one-byte characters for one line  
                 | Three lines can be indicated at maximum. |
| 7   | Security          | 0: Operation mode, 1: Editing mode, 2: Management mode, 3: Safety mode |
| 8   | Interlock Enable  | 0: Prohibited, 1: Permitted |
| 9   | Input ID No.      | 0: None, 1: Signal, 2: B-variable, 3: I-variable, 4: Register  
                 | Numbers differ according to the ID.  
                 | (See the table table 3-3 "Input/Output Allocation Status".)  
                 | Contact | OFF: A-contact, ON: B-contact  
                 | The setting is invalid when the ID is not set to 1:Signal. |
### Table 3-2: Data of Each Setting Items (Sheet 2 of 2)

<table>
<thead>
<tr>
<th>No.</th>
<th>Items</th>
<th>Explanations</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Output ID</td>
<td>0: None, 1: Signal, 2: B-variable, 3: I-variable, 4: Register</td>
</tr>
<tr>
<td></td>
<td>No. Numbers differ according to the ID. (See the table table 3-3 “Input/Output Allocation Status”.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Contact</td>
<td>OFF: A-contact, ON: B-contact The setting is invalid when the ID is not set to 1: Signal.</td>
</tr>
<tr>
<td>11</td>
<td>Group Name</td>
<td>Enable to input up to 12 one-byte characters per 1 line: 1-line display.</td>
</tr>
</tbody>
</table>

Shown below is the status of output signals. The status varies depending on which of “push button” and “push-lock/push-release button” is selected by pressing “circle indication light”, “square indication light 1”, or “square indication light 2”.

#### When selecting "push button”:

(For form A contacts)
Press the button to turn the output (setting) signal state to ON.
Release the button to turn the output (setting) signal state to OFF.

(For form B contacts)
Press the button to turn the output (setting) signal state to OFF.
Release the button to turn the output (setting) signal state to ON.

#### When selecting "push-lock/push-release button”:

An input signal (indicated value) of when pressing "push-lock/push-release button” is reversed to an output signal (set value).
The status of signal does not change even when the button is released. (The status is held.)

① When pressing the button: Input = ON ⇒ Output = OFF  
Input = OFF ⇒ Output = ON

kWhen releasing the button: Hold the status ( = ① ) of output

#### When selecting "2-point output" by selector switch:

The status of output signal of when pressing a selector switch is as follows.

When pressing a selector switch while the switch is pointing left:
Output 1 = OFF, Output 2 = ON

When pressing a selector switch while the switch is pointing right:
Output 1 = ON, Output 2 = OFF
See the following table "Input/Output Allocation Status" when allocating input/output signals.

<table>
<thead>
<tr>
<th>ID</th>
<th>Items</th>
<th>Range</th>
<th>Input Allocation</th>
<th>Output Allocation</th>
<th>Icon Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>General input</td>
<td>#00010 to #05127 (4096 signals)</td>
<td>enable</td>
<td>disable</td>
<td>Circle/Square indication light</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Selector switch</td>
</tr>
<tr>
<td></td>
<td>General output</td>
<td>#01010 to #15127 (4096 signals)</td>
<td>enable</td>
<td>enable</td>
<td>Circle/Square indication light</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Selector switch</td>
</tr>
<tr>
<td></td>
<td>External input</td>
<td>#20010 to #25127 (4096 signals)</td>
<td>enable</td>
<td>disable</td>
<td>Circle/Square indication light</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Selector switch</td>
</tr>
<tr>
<td></td>
<td>External output</td>
<td>#30010 to #35127 (4096 signals)</td>
<td>enable</td>
<td>enable</td>
<td>Circle/Square indication light</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Selector switch</td>
</tr>
<tr>
<td></td>
<td>Special input</td>
<td>#40010 to #42567 (2048 signals)</td>
<td>enable</td>
<td>disable</td>
<td>Circle/Square indication light</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Selector switch</td>
</tr>
<tr>
<td></td>
<td>Special output</td>
<td>#50010 to #55127 (4096 signals)</td>
<td>enable</td>
<td>disable</td>
<td>Circle/Square indication light</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Selector switch</td>
</tr>
<tr>
<td></td>
<td>I/F panel</td>
<td>#60010 to #60647 (512 signals)</td>
<td>enable</td>
<td>enable</td>
<td>Circle/Square indication light</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Selector switch</td>
</tr>
<tr>
<td></td>
<td>Auxiliary relay</td>
<td>#70010 to #79997 (7992 signals)</td>
<td>enable</td>
<td>disable</td>
<td>Circle/Square indication light</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Selector switch</td>
</tr>
<tr>
<td></td>
<td>Control status</td>
<td>#80010 to #85127 (4096 signals)</td>
<td>enable</td>
<td>disable</td>
<td>Circle/Square indication light</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Selector switch</td>
</tr>
<tr>
<td></td>
<td>Pseudo input</td>
<td>#87010 to #87207 (160 signals)</td>
<td>enable</td>
<td>disable</td>
<td>Circle/Square indication light</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Selector switch</td>
</tr>
<tr>
<td></td>
<td>DL input</td>
<td>#27010 to #29567 (2048 signals)</td>
<td>enable</td>
<td>disable</td>
<td>Circle/Square indication light</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Selector switch</td>
</tr>
<tr>
<td></td>
<td>DL output</td>
<td>#37010 to #39567 (2048 signals)</td>
<td>enable</td>
<td>enable</td>
<td>Circle/Square indication light</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Selector switch</td>
</tr>
<tr>
<td>2</td>
<td>B-variable</td>
<td>B000 to B099 (100 signals)</td>
<td>enable</td>
<td>-</td>
<td>Counter</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>enable</td>
<td>Preset counter</td>
</tr>
<tr>
<td>3</td>
<td>I-variable</td>
<td>I000 to I099 (100 signals)</td>
<td>enable</td>
<td>-</td>
<td>Counter</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>enable</td>
<td>Preset counter</td>
</tr>
<tr>
<td>4</td>
<td>Register</td>
<td>Input allocation: M000 to M999 (1000 signals)</td>
<td>enable</td>
<td>-</td>
<td>Counter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Output allocation: M000 to M559 (560 signals)</td>
<td>enable</td>
<td>enable</td>
<td>Preset counter</td>
</tr>
</tbody>
</table>
The table above describes the status of input / output allocation on Interface panel.

Don’t refer to this allocation table when allocating input/output signals for Concurrent I/O program.

**NOTE**

• Note that the following two signals are assumed to be unused for OUT/GOUT in the CIO program.
  
  External output  #30010 to #35127: Output allocation: enable
  DL output          #37010 to #39567: Output allocation: enable

• The "Setup" box cannot be enabled if a signal used for the OUT/GOUT command in the CIO program is assigned as output in the I/F panel.
  The 4240 error will occur ("Relay No.duplicated in CIO program and I/F panel").

• While a signal is in IO simulation, assigning that signal as output in the I/F panel prohibits the toggling of signal's ON/OFF state in the I/F panel. Message: "Signal state cannot change in I/O simulation mode"
The following table "Touch Panel I/F" describes the buttons corresponding to icon types.

The light turns on when the status of input signal (indicated value) is ON, whereas it turns off when OFF.

### Table 3-4: Touch Panel I/F

<table>
<thead>
<tr>
<th>No.</th>
<th>Items</th>
<th>Icon</th>
<th>Icon Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>0,1,2</td>
<td>Circle indication light</td>
<td><img src="image" alt="Circle Icon" /></td>
<td>Indicates the status of allocated signals. The light turns on when the status of input signal (indicated value) is ON, whereas it turns off when OFF.</td>
</tr>
<tr>
<td>3,4,5</td>
<td>Square indication light 1</td>
<td><img src="image" alt="Square Icon" /></td>
<td>Indicates the status of allocated signals. The light turns on when the status of input signal (indicated value) is ON, whereas it turns off when OFF.</td>
</tr>
<tr>
<td>6,7,8</td>
<td>Square indication light 2</td>
<td><img src="image" alt="Square Icon" /></td>
<td>Indicates the status of allocated signals. The light turns on when the status of input signal (indicated value) is ON, whereas it turns off when OFF.</td>
</tr>
<tr>
<td>9,10, 11,12</td>
<td>Selector switch</td>
<td><img src="image" alt="Selector Icon" /></td>
<td>Indicates the status of allocated signals. When a selector switch is set to &quot;left: ON&quot; or &quot;2-point output&quot;: The switch points left when the status of input signal (indicated value) is ON, whereas it points right when OFF. When a selector switch is set to &quot;right: ON&quot;: The switch points right when the status of input signal (indicated value) is ON, whereas it points left when OFF.</td>
</tr>
<tr>
<td>16,17, 18,19</td>
<td>Counter (3 digits) Counter (6 digits)</td>
<td><img src="image" alt="Counter Icon" /></td>
<td>Indicates the allocated variables or registers. * The BG color of the preset counter is white.</td>
</tr>
</tbody>
</table>

whereas it turns off when OFF.
4 Save and Load of Set Data

Set the security level to "Management" mode.
1. Select {FD/PC CARD} under the main menu.
2. Select {SAVE} or {LOAD}.
   - The external storage device screen is displayed.
3. Move the cursor to "SYSTEM DATA" and press [SELECT].
   - The list of files to be saved or loaded is displayed.
4. Move the cursor to "I/F PANEL DATA" and press [SELECT].
   – A star sign " ★ " appears if a file can be saved or loaded.

5. Press [ENTER].
   – The confirmation dialog box is displayed.

6. Move the cursor to "YES" and press [SELECT].
5 Editing Saved Data

The following explain how to modify the data which is saved in FD/PC CARD on PC.

<Data Example>

//IFPANEL 1
//NAME Panel 1, Panel 1
1A,0,0,0,1,NAME1,NAME2,NAME3,1,1,0,11111,0,0,0,0,0,0,0,0,NAME1,NAME2,NAME3,0
1B,1,0,0,1,NAME1,NAME2,NAME3,1,1,0,11111,0,0,22222,1,0,0,0,NAME1,NAME2,NAME3,0
1C,1,0,0,1,,NAME2,,1,1,0,11111,0,0,22222,1,0,0,0,NAME1,NAME2,NAME3,0
.
.
//IFPANEL 10
//NAME Panel 10, Panel 10
.
.
4G,0,0,0,1,NAME1,NAME2,NAME3,1,1,0,11111,0,0,0,0,0,0,0,0,NAME1,NAME2,NAME3,0
4H,1,0,0,1,NAME1,NAME2,NAME3,1,1,0,11111,0,0,22222,1,0,0,0,NAME1,NAME2,NAME3,0

<Details on Each Data Items>

Interface panel data: //IFPANEL <N1>

<N1>: File number of interface panel data

Interface panel group name: //NAME <N2>,<N3>

<N2>: First language group name (12 one-byte characters)
<N3>: Second language group name (12 one-byte characters)

<Item Data>

<D1>,<D2>,<D3>,<D4>,<D5>,<D6>,<D7>,<D8>,<D9>,<D10>,<D11>,<D12>,<D13>,<D14>,<D15>,<D16>,<D17>,<D18>,<D19>,<D20>,<D21>,<D22>,<D23>

<D1>: Panel Arrangement

1A,1B,1C,1D,1E,1F,1G,1H,2A,…,4F,4G,4H Total: 32 positions (2 one-byte characters);
the lower-case letters cannot be used.

<D2>: Setup 0: Invalid 1: Valid

<D3>: Panel Type

0: Circle indication light (display only)
1: Circle indication light (push button)
2: Circle indication light (push-lock/push-release button)
3: Square indication light 1 (display only)
4: Square indication light 1 (push button)
5: Square indication light 1 (push-lock/push-release button)
6: Square indication light 2 (display only)
7: Square indication light 2 (push button)
8: Square indication light 2 (push-lock/push-release button)
9: Selector switch (left: ON)
10: Selector switch (right: ON)
11: Selector switch (2-point output)
16: Counter (3-digit display)
17: Counter (6-digit display)
18: Preset counter (3-digit display)
19: Preset counter (6-digit display)

<D4>: Panel Color
0: Black 1: Blue 2: Green 3: Sky blue 4: Red 5: Purple 6: Yellow
7: White
8: Light gray 9: Dark blue 10: Dark green 11: Dark sky blue
12: Dark red
13: Dark purple 14: Dark yellow 15: Dark gray 16: Orange

<D5>: Text Color
Same as the Panel Color

<D6>: First language panel name on the 1st line (10 one-byte characters)

<D7>: First language panel name on the 2nd line (10 one-byte characters)

<D8>: First language panel name on the 3rd line (10 one-byte characters)

<D9>: Security Mode
0: Operation mode
1: Editing mode
2: Management mode
3: Safety mode

<D10>: Interlock Enable
0: Prohibited 1: Permitted

<D11>: Input Type
0: None
1: Signal (numbers are 5-digit)
2: B-variable (B000 to B099: numbers are 3-digit)
3: I-variable (I000 to I099: numbers are 3-digit)
4: Register (M000 to M999: numbers are 3-digit)

<D12>: Number

<D13>: Input Contact
0: A-contact 1: B-contact
5 Editing Saved Data

<D14>: Output Type 1
   0: None
   1: Signal (numbers are 5-digit)
   2: B-variable (B000 to B099: numbers are 3-digit)
   3: I-variable (I000 to I099: numbers are 3-digit)
   4: Register (M000 to M999: numbers are 3-digit)

<D15>: Number

<D16>: Output Contact 1  0: A-contact  1: B-contact

<D17>: Output Type 2
   0: None
   1: Signal (numbers are 5-digit)
   2: B-variable (B000 to B099: numbers are 3-digit)
   3: I-variable (I000 to I099: numbers are 3-digit)
   4: Register (M000 to M999: numbers are 3-digit)

<D18>: Number

<D19>: Output Contact 2  0: A-contact  1: B-contact

<D20>: Second language panel name on the 1st line (10 one-byte characters)

<D21>: Second language panel name on the 2nd line (10 one-byte characters)

<D22>: Second language panel name on the 3rd line (10 one-byte characters)

<D23>: Optional  0: Standard

---

**NOTE**

- Syntax error will occur when inserting line feeds into the data "Data Example".
- Syntax error will occur when the number of commas differs from the saved data in FD/PC card.
- Define capital letters for variables.
- Wrong signal range or type instruction will make the attribute invalid when loading.

Loading for one item is possible as follow;

```
//IFPANEL 4
///NAME Panel 4, Panel 4
1A,0,0,0,1,NAME1,NAME2,NAME3,1,1,0,11111,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
```
6 Parameters

6.1 Clearing the Status of Signals

By setting parameters, input/output signals at the time of power supply ON or mode change can be set to "hold" or "clear".

The possible settings and the timing of status signal settings are as follows:

<table>
<thead>
<tr>
<th>Signals</th>
<th>Timing of setting the status of signals</th>
<th>Parameters</th>
<th>Set values</th>
</tr>
</thead>
<tbody>
<tr>
<td>General output signals</td>
<td>Mode change</td>
<td>S4C0064 to S4C0079</td>
<td>0: Hold / 1: Clear</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S4C1164 to S4C1179</td>
<td></td>
</tr>
<tr>
<td>General output signals</td>
<td>Power supply ON</td>
<td>S2C0235</td>
<td>0: Hold / 1: Clear</td>
</tr>
<tr>
<td>Auxiliary relay signals</td>
<td>Power supply ON</td>
<td>S4C0080 to S4C0095</td>
<td>0: Clear / 1: Hold</td>
</tr>
<tr>
<td>I/F panel signals</td>
<td>Power supply ON</td>
<td>S4C0569 to S4C0572</td>
<td>0: Hold / 1: Clear</td>
</tr>
</tbody>
</table>

*Notice that auxiliary relay signals have different set values of parameters from general output signals or I/F panel signals.

"Hold" and "Clear" of the status of signals are defined as follows:

- "Hold" means to keep the status of the previous one at the time of when the power supply is turned OFF or the mode is changed.
- "Clear" means to turn the status of signals into OFF regardless of the previous status at the time of when the power supply is turned OFF or the mode is changed.
### 6.1 Clearing the Status of Signals

#### 6.1.1 Status of General Output Signals at Mode Change

By setting parameters from S4C0064 to S4C0079 and from S4C1164 to S4C1179, it allows to set the status of general output signals (#10010 to #15127) at the time of when changing mode.

For the parameter settings, refer to the table below.

<table>
<thead>
<tr>
<th>Parameters</th>
<th>General Output Signals</th>
<th>Set Values</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>S4C0064</td>
<td>#10010 to #10167 (Bit specification)</td>
<td>0: Hold, 1: Clear</td>
<td>When a bit specification is set to &quot;1&quot;, the status of general output signals will be cleared at the time of changing mode. (Bit specification is to be set by a series of 8 signals.)</td>
</tr>
<tr>
<td>S4C0065</td>
<td>#10170 to #10327</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C0066</td>
<td>#10330 to #10487</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C0067</td>
<td>#10490 to #10647</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C0068</td>
<td>#10650 to #10807</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C0069</td>
<td>#10810 to #10967</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C0070</td>
<td>#10970 to #11127</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C0071</td>
<td>#11130 to #11287</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C0072</td>
<td>#11290 to #11447</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C0073</td>
<td>#11450 to #11607</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C0074</td>
<td>#11610 to #11767</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C0075</td>
<td>#11770 to #11927</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C0076</td>
<td>#11930 to #12087</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C0077</td>
<td>#12090 to #12247</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C0078</td>
<td>#12250 to #12407</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C0079</td>
<td>#12410 to #12567</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1164</td>
<td>#12570 to #12727</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1165</td>
<td>#12730 to #12887</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1166</td>
<td>#12890 to #13047</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1167</td>
<td>#13050 to #13207</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1168</td>
<td>#13210 to #13367</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1169</td>
<td>#13370 to #13527</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1170</td>
<td>#13530 to #13687</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1171</td>
<td>#13690 to #13847</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1172</td>
<td>#13850 to #14007</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1173</td>
<td>#14010 to #14167</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1174</td>
<td>#14170 to #14327</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1175</td>
<td>#14330 to #14487</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1176</td>
<td>#14490 to #14647</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1177</td>
<td>#14650 to #14807</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1178</td>
<td>#14810 to #14967</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1179</td>
<td>#14970 to #15127</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
6 Parameters
6.1 Clearing the Status of Signals

6.1.2 Status of General Output Signals at Power Supply ON

By setting parameter S2C0235, it allows to set the status of general output signals (#10010 to #15127) at the time of when turning the power supply ON.

For the parameter setting, refer to the table below.

<table>
<thead>
<tr>
<th>Parameters</th>
<th>General Output Signals</th>
<th>Set Values</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2C235</td>
<td>#10010 to #15127</td>
<td>0: Hold, 1: Clear</td>
<td>When S2C235 is set to &quot;1&quot;, the status of general output signals will be cleared at the time of power supply ON. (All signals are to be set together.)</td>
</tr>
</tbody>
</table>

6.1.3 Status of Auxiliary Relay Signals at Power Supply ON

By setting parameters from S4C080 to S4C095, it allows to set the status of auxiliary relay signals (#70010 to #79997) at the time of when turning the power supply ON.

For the parameter settings, refer to the table below.

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Auxiliary Relay Signals</th>
<th>Set Values</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>S4C080</td>
<td>#70010 to #70647</td>
<td>(Bit specification)</td>
<td>When a bit specification is set to &quot;1&quot;, the status of auxiliary relay signals will be held at the time of power supply ON. (Bit specification is to be set by a series of 32 signals.)</td>
</tr>
<tr>
<td>S4C081</td>
<td>#70650 to #71287</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C082</td>
<td>#71290 to #71927</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C083</td>
<td>#71930 to #72567</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C084</td>
<td>#72570 to #73207</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C085</td>
<td>#73210 to #73847</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C086</td>
<td>#73850 to #74487</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C087</td>
<td>#74490 to #75127</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C088</td>
<td>#75130 to #75767</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C089</td>
<td>#75770 to #76407</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C090</td>
<td>#76410 to #77047</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C091</td>
<td>#77050 to #77687</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C092</td>
<td>#77690 to #78327</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C093</td>
<td>#78330 to #78967</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C094</td>
<td>#78970 to #79607</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C095</td>
<td>#79610 to #79997</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6.1.4 Status of I/F Panel Signals at Power Supply ON

By setting parameters from S4C569 to S4C572, it allows to set the status of I/F panel signals (#60010 to #60647) at the time of when turning the power supply ON.

For the parameter settings, refer to the table below.

<table>
<thead>
<tr>
<th>Parameters</th>
<th>I/F Panel Signals</th>
<th>Set Values</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>S4C569</td>
<td>#60010 to #60167</td>
<td>(Bit specification)</td>
<td>When a bit specification is set to &quot;1&quot;, the status of I/F panel signals will be cleared at the time of power supply ON. (Bit specification is to be set by a series of 8 signals.)</td>
</tr>
<tr>
<td>S4C570</td>
<td>#60170 to #60327</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C571</td>
<td>#60330 to #60487</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C572</td>
<td>#60490 to #60647</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
6.2 Allocation of General Input Signals to Interface Panel Screens

By setting general input signal numbers to parameters from S4C597 to S4C607 and from S4C1042 to S4C1046, general input signals can be allocated to interface panel screens.

For the parameter settings, refer to the table below.

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Corresponding Panel Screens</th>
<th>Set Values</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>S4C597</td>
<td>NONE</td>
<td>0: No function 1 to 1024 (Integral number): General input signal numbers</td>
<td>Allocates the general input signals set for parameters to the panel screens corresponded to the parameters.</td>
</tr>
<tr>
<td>S4C598</td>
<td>Panel 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C599</td>
<td>Panel 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C600</td>
<td>Panel 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C601</td>
<td>Panel 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C602</td>
<td>Panel 5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C603</td>
<td>Panel 6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C604</td>
<td>Panel 7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C605</td>
<td>Panel 8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C606</td>
<td>Panel 9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C607</td>
<td>Panel 10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1042</td>
<td>Panel 11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1043</td>
<td>Panel 12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1044</td>
<td>Panel 13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1045</td>
<td>Panel 14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4C1046</td>
<td>Panel 15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
6.2 Allocation of General Input Signals to Interface Panel Screens

6.2.1 Notification of the Status of General Input Signals

1. Set general input signal numbers to the parameters from S4C597 to S4C607 and from S4C1042 to S4C1046. (Set values are available from 1 to 2048)
   - When the general input signal set to the parameter turns ON, the Interface panel gets activated automatically and the corresponding panel screen appears.
   - If there are several corresponding screens, the panel of smaller number appears on the display. However, when the signal set to S4C597 (which has no corresponding panel) turns ON, the panel screen of the previous one appears on the display.
   - When the signals set from S4C598 to S4C607 and from S4C1042 to S4C1046 turn ON, the page button (on which the group name is indicated) changes its color in the corresponding panel.

In the cases below, the (I/F Panel) button flashes in the lower left of the display notifying the "ON" status of the general input signals set for the parameters.

- The case when the Interface panels are unable to get activated (during imputing characters or numeric values) when the general input signals set for the parameters turn ON.
- The case when a page button of the corresponding panel is not shown when the general input signals set for the parameters turn ON.
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INSTRUCTIONS
FOR INTERFACE PANEL FUNCTION

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