

## 31.6 Mapping I/O to the FLEX NETWORK Positioning Unit

### 31.6.1 Display of the FLEX NETWORK

When connecting a FLEX NETWORK unit to the GP, select the display model which supports it.

You can connect multiple I/O units.

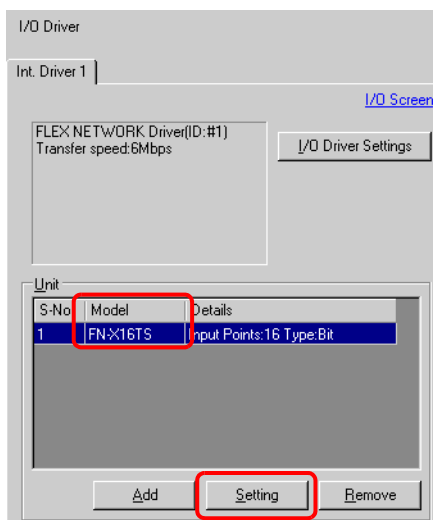
#### ■ Model of FlexNetwork Positioning Unit and Number of Occupied Stations

The following table lists the type and number of points, and number of occupied stations for FLEX NETWORK positioning unit.

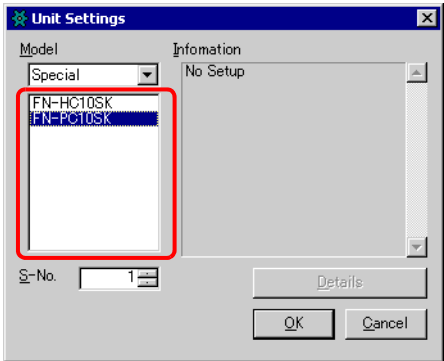
Type	Type	Number of Points	Number of Occupied Stations
Positioning	FN-PC10SK	-	4 stations

#### ■ Setup Procedure

- 1 In the I/O Driver window, select the I/O unit to be configured, and click [Setting].



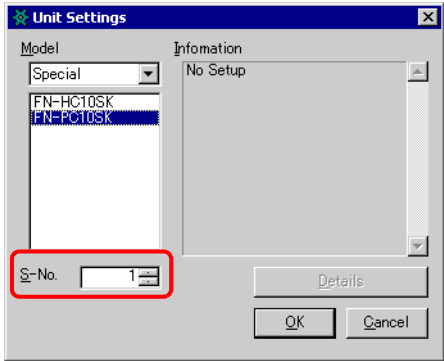
- 2 The [Unit Settings] dialog box appears. To change the type, in the [Model] area, select the model of I/O unit. (For example, [Special] and "FN-PC10SK").



**NOTE**

- The type of the I/O unit can be selected in the top left menu.
- On the right, the detailed specifications for the selected I/O unit are displayed.

- 3 Specify the same number as the S-No specified on the Positioning unit.



**NOTE**

- You can specify the S-No from 1 to 63. However, you cannot duplicate the same S-No in the same FLEX NETWORK.  
☞ “■ Model of FlexNetwork Positioning Unit and Number of Occupied Stations” (page 31-31)

- 4 In the [Unit Settings] dialog box, click [OK] to apply the changed settings.

S-No	Model	Details
1	FN-PC10SK	No Setup

- 5 To add an I/O unit, click [Add]. The [Unit Settings] dialog box appears. Specify the settings in the same way as in steps 2 to 4.

**NOTE**

- To add other types, refer to the descriptions of each type.  
☞ “31.4 Mapping I/O to the FLEX NETWORK DIO Unit” (page 31-17)  
☞ “31.5 Mapping I/O to the FLEX NETWORK Analog Unit” (page 31-24)  
☞ “31.7 Mapping I/O to the FLEX NETWORK High-Speed Counter Unit” (page 31-37)

- 6 After completing the device settings for the FLEX NETWORK, map the addresses to the I/O terminals.

---

**NOTE**

“31.6.2 I/O Terminals in the FLEX NETWORK Positioning Unit” (page 31-34)

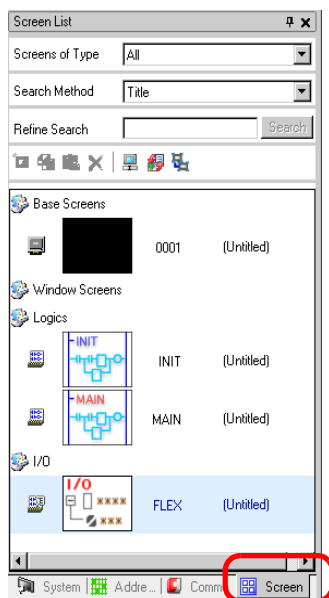
---

### 31.6.2 I/O Terminals in the FLEX NETWORK Positioning Unit

Displays the I/O and maps addresses to the I/O terminals in the FLEX NETWORK positioning unit.

#### ■ Displaying the I/O

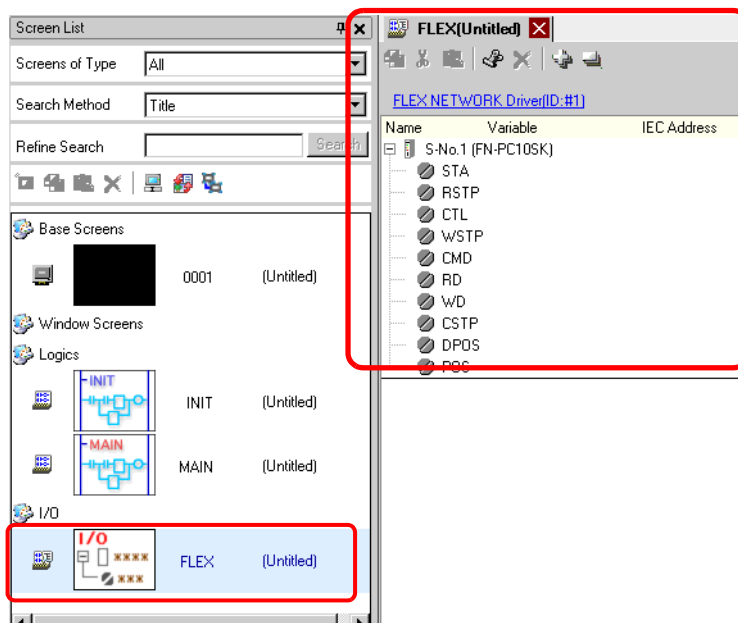
- 1 Click the [Screen List] tab to open [Screen List] Window.



#### NOTE

- If the [Screen List] tab is not displayed in the Work Space, on the [View (V)] menu, point to [Work Space (W)] and then click [Screen List (G)].

2 Double-click I/O to display the I/O in the workspace.



- For how to map addresses to I/O terminals, refer to the following section.  
 ➞ "31.1.2 Mapping Addresses to I/O Terminals" (page 31-7)

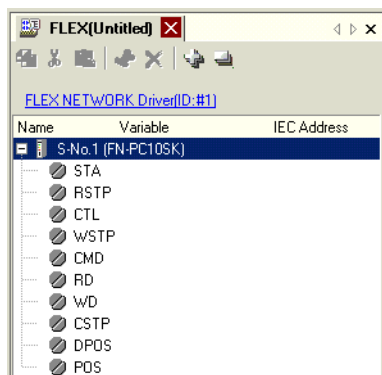
## ■ I/O Terminal Operations

An I/O terminal to which an address is mapped operates as described below.

- Specifies the data value by reading or writing by a command, and determines the position.
- For details on commands, refer to the "Single-Axis Positioning Unit User Manual", sections titled "FlexNetwork Driver Settings" and "RUN Data".
- If a power interruption occurs on the I/O unit, the driver can recognize it and resume communications after the power is resumed.

### 31.6.3 Setup Guide for the FLEX NETWORK Positioning Unit

#### ■ I/O Screen



Setting		Description
Copy		To copy a variable select it and click the icon.
Cut		To cut a variable select it and click the icon.
Paste		To paste a variable, Copy or Cut it to the clipboard and then click the icon.
Edit		To change a variable or register a new variable, select it and click the icon.
Delete		To delete a variable select it and click the icon.
Expand All		Expands to display all I/O terminals.
Collapse All		Collapses to hide display of all I/O terminals.
FLEX NETWORK Driver (ID:#1)		Click to switch to the I/O Driver settings screen.
Name		Displays the terminal ID symbol.
Variable		Displays the address mapped to the terminal.
IEC Address		Displays the I/O address (IEC address).

#### ■ Unit Detail Settings

It is not necessary to specify the details for the positioning unit.