2.2 DIP Switch Setting
Configure settings for controller communication speed, controller address auto obtain, and controller communication enable/disable using the DIP switches.

<table>
<thead>
<tr>
<th>DIP switch setting</th>
<th>Factory set value</th>
<th>Controller communication speed</th>
<th>Controller address auto obtain</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>9600 bps</td>
<td>OFF</td>
<td>Auto obtain off</td>
</tr>
<tr>
<td>ON</td>
<td>19200 bps</td>
<td>ON</td>
<td>Auto obtain on</td>
</tr>
</tbody>
</table>

OFF: No controller address search when power is turned on
ON: Auto obtain on (Controller address search and update when power is turned on)

2.3 Use Instruments Setting
Set the controller communication speed with DIP switch Nos. 1 and 2.

OFF ON 19200 bps
ON OFF 38400 bps

19200 bps: Z-DIO module controller communication speed
38400 bps: COM-JG initial setting

For setting method, refer to 2. COMMUNICATION SETTING.

3. Controller setting
2.4 PLC Tool Setting
Controller communication: 19200 bps (Factory set value)

For setting method, refer to 2. COMMUNICATION SETTING.

3.3 COM-JG Initial Setting
To perform communication between a PLC and controller (SRZ), the following items must be set to COM-JG.

Controller address: It can be obtained automatically by switching DIP switch of COM-JG.

- Continuous accesses enable selection
- Controller address auto obtain

Before configuring COM-JG initial settings using the PLC tool, be sure to set DIP switch No. 7 to OFF (controller communication disabled). After you have completed the COM-JG initial settings, be sure to return DIP switch No. 7 to OFF (controller communication enabled).

1. Handling Procedures

Controller address
This item is set to make the COM-JG recognize the address of each module of SRZ. This procedure assumes that the COM-JG communication settings have been completed.

1. Set DIP switch No. 4 on the left side of the COM-JG to ON (auto obtain ON).
2. Set the controller communication speed with DIP switch Nos. 1 and 2.
3. Connect the power wiring and the wiring between the COM-JG and the SRZ.
4. When the power is turned on, controller auto obtain starts. When auto obtain is in progress, the RUN lamp of the COM-JG blinks. The obtained addresses are stored in “Controller address” in the COM-JG’s initial setting items. “Controller address” has 31 addresses. No. 1 to No. 31 (equal to the maximum number of controller connections), and the obtained addresses are stored in order from No. 1 beginning from the lowest-value address.
5. When controller address auto obtain is finished, the RUN lamp of the COM-JG stops blinking and lights steadily.
6. Turn off the power and return DIP switch No. 4 on the left side of the COM-JG to OFF (auto obtain OFF).

If set to OFF, the COM-JG loses the addresses obtained in Step 4.

A certain amount of time is required to complete auto obtain (up to about 90 seconds).

3.3 COM-JG Initial Setting
To perform communication between a PLC and controller (SRZ), the following items must be set to COM-JG.

Controller address
This item is set to make the COM-JG recognize the address of each module of SRZ. This procedure assumes that the COM-JG communication settings have been completed.

1. Set DIP switch No. 4 on the left side of the COM-JG to ON (auto obtain ON).
2. Set the controller communication speed with DIP switch Nos. 1 and 2.
3. Connect the power wiring and the wiring between the COM-JG and the SRZ.
4. When the power is turned on, controller auto obtain starts. When auto obtain is in progress, the RUN lamp of the COM-JG blinks. The obtained addresses are stored in “Controller address” in the COM-JG’s initial setting items. “Controller address” has 31 addresses. No. 1 to No. 31 (equal to the maximum number of controller connections), and the obtained addresses are stored in order from No. 1 beginning from the lowest-value address.
5. When controller address auto obtain is finished, the RUN lamp of the COM-JG stops blinking and lights steadily.
6. Turn off the power and return DIP switch No. 4 on the left side of the COM-JG to OFF (auto obtain OFF).

A certain amount of time is required to complete auto obtain (up to about 90 seconds).

Controller address
This item is set to make the COM-JG recognize the address of each module of SRZ. This procedure assumes that the COM-JG communication settings have been completed.

1. Set DIP switch No. 4 on the left side of the COM-JG to ON (auto obtain ON).
2. Set the controller communication speed with DIP switch Nos. 1 and 2.
3. Connect the power wiring and the wiring between the COM-JG and the SRZ.
4. When the power is turned on, controller auto obtain starts. When auto obtain is in progress, the RUN lamp of the COM-JG blinks. The obtained addresses are stored in “Controller address” in the COM-JG’s initial setting items. “Controller address” has 31 addresses. No. 1 to No. 31 (equal to the maximum number of controller connections), and the obtained addresses are stored in order from No. 1 beginning from the lowest-value address.
5. When controller address auto obtain is finished, the RUN lamp of the COM-JG stops blinking and lights steadily.
6. Turn off the power and return DIP switch No. 4 on the left side of the COM-JG to OFF (auto obtain OFF).

A certain amount of time is required to complete auto obtain (up to about 90 seconds).

Controller address
This item is set to make the COM-JG recognize the address of each module of SRZ. This procedure assumes that the COM-JG communication settings have been completed.

1. Set DIP switch No. 4 on the left side of the COM-JG to ON (auto obtain ON).
2. Set the controller communication speed with DIP switch Nos. 1 and 2.
3. Connect the power wiring and the wiring between the COM-JG and the SRZ.
4. When the power is turned on, controller auto obtain starts. When auto obtain is in progress, the RUN lamp of the COM-JG blinks. The obtained addresses are stored in “Controller address” in the COM-JG’s initial setting items. “Controller address” has 31 addresses. No. 1 to No. 31 (equal to the maximum number of controller connections), and the obtained addresses are stored in order from No. 1 beginning from the lowest-value address.
5. When controller address auto obtain is finished, the RUN lamp of the COM-JG stops blinking and lights steadily.
6. Turn off the power and return DIP switch No. 4 on the left side of the COM-JG to OFF (auto obtain OFF).

A certain amount of time is required to complete auto obtain (up to about 90 seconds).

Controller address
This item is set to make the COM-JG recognize the address of each module of SRZ. This procedure assumes that the COM-JG communication settings have been completed.

1. Set DIP switch No. 4 on the left side of the COM-JG to ON (auto obtain ON).
2. Set the controller communication speed with DIP switch Nos. 1 and 2.
3. Connect the power wiring and the wiring between the COM-JG and the SRZ.
4. When the power is turned on, controller auto obtain starts. When auto obtain is in progress, the RUN lamp of the COM-JG blinks. The obtained addresses are stored in “Controller address” in the COM-JG’s initial setting items. “Controller address” has 31 addresses. No. 1 to No. 31 (equal to the maximum number of controller connections), and the obtained addresses are stored in order from No. 1 beginning from the lowest-value address.
5. When controller address auto obtain is finished, the RUN lamp of the COM-JG stops blinking and lights steadily.
6. Turn off the power and return DIP switch No. 4 on the left side of the COM-JG to OFF (auto obtain OFF).

A certain amount of time is required to complete auto obtain (up to about 90 seconds).
The value of "Continuous access enable selection" of Groups 1 to 8 is 00100011.

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5.

Download a project to the PLC, and be ends.

The procedure of using the Programming Software STEP7 is as follows.

1. Select "Communication item setting".
2. Set the PLC register address for static data read and write requests.
   Double-click the "Static input word" cell and the "Static output word" cell in the COM-JG rack, and set the starting address.
3. Set the PLC register address for data static data read and write requests.
   Double-click the "Static input word" cell and the "Static output word" cell in the COM-JG rack, and set the starting address.

4. Save a project, and execute a compilation.
5. Download a project to the PLC, and be ends.

1. Select "Communication item setting".
2. Set the PLC register address for static data read and write requests.
3. Set the number of connecting channels (total number of continuous accesses) to "Number of Channel of Device-specific parameters." In this example, set it as "11."