1. MOUNTING

1.1 Mounting Cautions

(1) This instrument is intended to be used under the following environmental conditions:

<table>
<thead>
<tr>
<th>Environmental Conditions</th>
<th>Temperature/Relative Humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor use</td>
<td>-10°C to +50°C, 5 to 95% RH</td>
</tr>
<tr>
<td>Outdoor use</td>
<td>-40°C to +70°C, 5 to 95% RH</td>
</tr>
</tbody>
</table>

(2) Install the instrument in the following locations:

- Avoid direct air flow from an air conditioner.
- Do not mount this instrument in an extremely dusty environment.
- Do not mount this instrument in locations subject to direct sunlight.
- Do not mount this instrument in locations subject to excessive temperature changes.
- Do not mount this instrument in locations subject to direct vibration or shock.
- Do not mount this instrument in locations subject to excessive induction noise, static electricity, magnetic fields or noise.
- Do not mount this instrument in locations subject to corrosive or inflammable gases.
- Do not mount this instrument in locations subject to explosive gases.

1.2 Terminal Configuration

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>T/R(B)</td>
</tr>
<tr>
<td>RS-485</td>
<td>FG</td>
</tr>
<tr>
<td>Out</td>
<td>24 V DC</td>
</tr>
<tr>
<td>Terminal No. 1</td>
<td>109.5 mm</td>
</tr>
<tr>
<td>Terminal No. 2</td>
<td>9.5 mm</td>
</tr>
<tr>
<td>Terminal No. 3</td>
<td>3 mm</td>
</tr>
</tbody>
</table>

1.3 DIN Rail Mounting

1.3.1 Mounting procedures

1. Pull down the mounting bracket at the bottom of the module (A). Attach the hooks on the top of the module to the DIN rail and pull the lower section into position on the DIN rail (B).

2. Slide the mounting bracket up to secure the module to the DIN rail (C).

1.3.2 Mounting dimensions

<table>
<thead>
<tr>
<th>Mounting hole (Unit: mm)</th>
<th>10.5</th>
<th>6.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting hole dimensions</td>
<td>10.5</td>
<td>6.3</td>
</tr>
</tbody>
</table>

1.4 Panel Mounting

1.4.1 Mounting procedures

1. Pull down the mounting bracket (A) until locked and that a hole appears.

2. Prepare one mounting bracket per module (B) sold separately (KSRX-55) and then insert it in the rear of the terminal board at top of the module until locked but a hole does not disappear.

3. Mount each module directly on the panel with screws which are inserted in the mounting holes of the top and bottom mounting brackets.

1.4.2 Recommended tightening torque: 0.3 Nm (4 kgf/cm)

2. Wiring

2.1 Wiring Cautions

- To avoid noise induction, keep communication signal wire away from instrument power lines, load lines and power lines wiring of other equipment.
- To prevent electric shock or instrument failure, do not turn on the power before mounting or removing the instrument.
- To avoid damage to instrument case, do not rub with an abrasive material or push front panel with a hard object.
- Use a soft, dry cloth to remove stains from the instrument.

2.2 Terminal Configuration

- Do not use a volatile solvent such as paint thinner to clean the instrument. Deformation or discoloration may occur.
- Turn off the power before cleaning the instrument.
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2.3 Connection to PLC

- **Method to connect**
  The PLC (master station) and COM-JC make multi-drop connection in CC-Link dedicated cable Var. 1.10.

2.4 Connection to the Controllers

- **Connection diagram**
  Always connect a termination resistor between the DA and DB terminals of the module to be located at the far end.

**Method to connect**
Always connect a termination resistor between the DA and DB.

**Communication speed and maximum transmitter distance**
- 10 Mbps: 100 m
- 5 Mbps: 160 m
- 2.5 Mbps: 400 m
- 625 kbps: 960 m
- 1.6 kbps: 1200 m

**Relationship between number of occupied station/extended cyclic and number of CC-Link assignment channel**
- Number of occupied station/extended cyclic
- Maximum number of CC-Link assignment channel

- 2 stations: 1 channel
- 4 stations: 2 channels
- 8 stations: 3 channels
- 16 stations: 4 channels
- 32 stations: 8 channels
- 64 stations: 16 channels
- The number of channels used depends on the data type.

- **Connection diagram**
  Conduct wiring between the COM-JC and controller (SRZ) as shown in the following.

**2.5 System Configuration Example**

- **Terminal numbers and signal details**
<table>
<thead>
<tr>
<th>Terminal No.</th>
<th>Signal name</th>
<th>Symbol</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Data A</td>
<td>DA</td>
<td>Blue</td>
</tr>
<tr>
<td>2</td>
<td>Data B</td>
<td>DB</td>
<td>White</td>
</tr>
<tr>
<td>3</td>
<td>Data ground</td>
<td>DG</td>
<td>Yellow</td>
</tr>
<tr>
<td>4</td>
<td>Shield</td>
<td>SD</td>
<td>Brown</td>
</tr>
<tr>
<td>5</td>
<td>Frame ground</td>
<td>FG</td>
<td></td>
</tr>
</tbody>
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- **Communication speed and maximum transmitter distance**
  - 10 Mbps: 100 m
  - 5 Mbps: 160 m
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3. PARTS DESCRIPTION

- **Connection diagram**
  - Communication speed and maximum transmitter distance
  - Terminal cover
  - Terminal base

4. SPECIFICATIONS

- **CC-Link communication**
  - Protocol: CC-Link Ver. 1.10/Var. 2.00
  - Communication speed: 156 kbps, 256 kbps, 2.5 Mbps, 5 Mbps, 10 Mbps
  - Station number: 1 to 61 (4 stations occupied 1 time), 4 stations occupied 2 times, and 4 stations occupied 4 times
  - Connection cable: CC-Link dedicated cable Var. 1.10
  - Maximum number of occupied station/extended cyclic: CC-Link assignment channel

5. MODEL CODE

- **COM-JC**
  - 02 [SRZ]
    - (1) Corresponding to the RKC temperature controller
    - (2) RUN/STOP logic selection
      - 0: RUN
      - 1: STOP
      - Initial state: 0: RUN

- **Terminal cover**, **Terminal base**, **Mainframe**, **Terminal cover**, **Terminal base**, **Mainframe**

**For specification, connection method and vendor, refer to the website of CC-Link Partner Association.**

**URL:** http://www.cc-link.org/