## Model Overview

<table>
<thead>
<tr>
<th>Name</th>
<th>ERCD</th>
</tr>
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<tbody>
<tr>
<td>Controllable robot</td>
<td>Dedicated for T4L / T5L / C4L / C5L</td>
</tr>
<tr>
<td>Input power</td>
<td>DC24V +/-10% maximum 3A to 4.5A (Variable depending on robots in use.)</td>
</tr>
<tr>
<td>Operating method</td>
<td>Pulse train control / Programming / I/O point tracing / Operation using RS-232C communication</td>
</tr>
<tr>
<td>Maximum number of controllable axes</td>
<td>Single-axis</td>
</tr>
<tr>
<td>Origin search method</td>
<td>Incremental</td>
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### Ordering method

**ERCD**

<table>
<thead>
<tr>
<th>Controller</th>
<th>I/O connector specification</th>
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<tbody>
<tr>
<td></td>
<td>UNI. 16 pin female 24-pin connect.</td>
</tr>
<tr>
<td></td>
<td>UN1 Twisted-pair cable 2m (pulse train function)</td>
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</tbody>
</table>

**Item** | **Model** | **ERCD**
---|---|---
Programming box | HPB, HPB-D (with enable switch) |
Support software for PC | POPCOM+ |
Operating temperature | -10°C to 40°C |
Storage temperature | -15°C to 65°C |
Operating humidity | 35% to 85% RH (non-condensing) |
Noise resistance capacity | IEC61000-4-4 Level 2 |
Protective functions | Overload, overvoltage, voltage drop, resolver wire breakage, runaway detection, etc. |

Note 1. Switching between the normal mode and pulse train mode is done by use of the parameter.

### Part names

- Status LED lamp (PWR, ERR)
- Robot I/O connector
- HPB connector
- I/O, CN connector
- Power terminal block (24P, 24N, FG)
- EXTN. CN connector

### Dimensions

- **44.6 x 44 x 117 mm (1.75 x 1.75 x 4.61 inches)**

### Installation conditions

- Install the ERCD inside the control panel.
- Install the ERCD on a vertical wall.
- Install the ERCD in a well ventilated location, with space on all sides of the ERCD (See fig. below).
- Ambient temperature: 0 to 40°C
- Ambient humidity: 35 to 85% RH (no condensation)