### 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>
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<tr>
<td>Operating method</td>
<td>Pulse train control / Programming / I/O point tracing / Operation using RS-232C communication</td>
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<tr>
<td>Maximum number of controllable axes</td>
<td>Single-axis</td>
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<td>Origin search method</td>
<td>Incremental</td>
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### Ordering method

**ERCD**

- **Controller**
- **I/O connector specification**
  - CN1: I/O flat cable 1m (Standard)
  - CN2: Twisted-pair cable 2m (Pulse train function)

### Part names

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

### 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)

### Dimensions

- **Height:** 117 mm
- **Width:** 94 mm
- **Depth:** 22 mm

### General specifications

- Operating temperature: -10°C to 65°C
- Operating humidity: 35% to 85%RH (non-condensing)
- 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.

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Instruction manuals can be downloaded from our company website. Please use the following for more detailed information.

https://global.yamaha-motor.com/business/robot