

E5CN-R2MTD-500

Industrial automation components

Manufacturer	Omron
Catalog number	e5cn-r2mtd-500
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Omron
Part Number	E5CN-R2MTD-500
Product Type	Digital Temperature Controller
Input Type	Universal thermocouple/platinum resistance thermometer
Control Output	Relay output
Auxiliary Outputs	Two outputs
Power Supply Voltage	24 V AC/DC
Operating Temperature Range	-10°C to +55°C
Panel Protection Rating	IP66

Description

The Omron E5CN-R2MTD-500 is a high-performance digital temperature controller designed for precise temperature regulation in industrial applications. This compact 48 x 48 mm controller offers a high-resolution 5-digit display with 0.01°C increments, ensuring accurate temperature monitoring. It features a high-speed sampling cycle of 60 ms and universal inputs compatible with various sensors, including thermocouples and platinum resistance thermometers. The controller provides flexible contact outputs with logic operations (AND, OR, and delays) and includes preventive maintenance functions for relays. With a wide operating temperature range from -10°C to +55°C and a supply voltage of 24 V AC/DC, the E5CN-R2MTD-500 is suitable for diverse industrial environments. Its IP66-rated front panel ensures durability and protection against dust and water ingress, making it ideal for demanding industrial settings.