

**SECURITY
OR SAFETY**
controllers & more

Multi Channels
Temperature Controller

MC9



Features and functions

- 0.3 Class high accuracy
- Heating / Cooling function (Only for 4 channels)
- 8/4 Channels control device
- Multi channels PID control per each channel
- Automatic monitoring per each channel by auto scan function
- Multi memory function (Max 8x8 units)
- Various alarm functions (15 types)
- DI contact input function
- Monitoring all information & remote control by communication.
- Heater-Break monitoring functions per each channel



- 0.3 Class high accuracy
- Heating / Cooling function (Only for 4 channels)
- 8/4 Channels control device
- Multi channels PID control per each channel
- User can set-up 'Control', 'Monitoring' and 'Non-using' functions per each channel
- Various alarm functions (15 types)
- Heater-Break monitoring functions per each channel
- Automatic monitoring per each channel by auto scan function
- Control can be started and finished by Digital input.
- Monitoring all information & remote control by communication
- Multi memory function (Max 8x8 units)

Specification

Specification	Description
Function	• Multi channels PID control device • Various alarm function (15 types) • multi memory function (max 8 x 8 units) • 8/4 channels control device • DI contact input function • Heating/cooling function (but, only 4 channels are possible)
Power Voltage	110 - 220 V a.c (50-60 Hz)
Power consumption	100 V a.c (below 14 VA)/ 240V a.c (below 20 VA)
Input	4 or 8 channel (Sampling Time: 1s) Type (TC, RTD, d.c V) / Input impedance (approx. 1 kΩ)
Output	Type (Relay Output, Voltage Pulse Output, Triac Output, 4 ~ 20 mA Output, 0 ~ 20 mA Output)
Alarm	1 a Contact Type/ 250 V a.c, 1 A (for resistive load) /Life time: above 300,000 times ON/OFF
Communication	EIA RS485 / RS232C, max connectable units: 31 units (for RS485, Address can be set from 1 to 99) Communication method: 4-wire half duplex/ 2-wire half duplex, Communication Protocol: PC-LINK
Contact input	From below 2kΩ, ON, From above 15 kΩ, OFF
HBA	Input: Current Transformer (CT) 0 ~ 100 A Accuracy: a larger value among (+/-) 5% of Span or (+/-) 2 A
Operating Environment	Temperature: 0 ~ 50 °C (32 °F ~ 122 °F), Humidity: 45 ~ 85 % RH (but, without condensation) Magnetic field: below 400 AT/m Without poisonous gas and without full of dust