REINMEER

RM-OC902

With Two Thermocouple Inputs Oven Control Devices-OC902

Description

OC902 Model devices are oven control devices with dimensions of 96x96 mm, which perform temperature control from two points with two Thermocouple inputs and are used for time-dependent baking processes.

They are fully modular devices capable of temperature control via ON/OFF control, featuring Automatic/Manual steaming, capable of triggering an alarm at the end of time, and each module can be independently configured.

Thanks to the universal power supply, it can be used with a 100-240VAC/DC or 24V power supply.

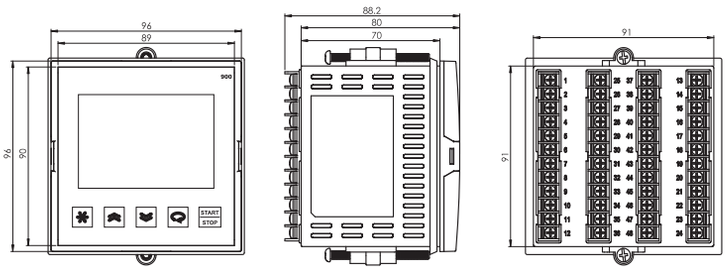
General Features

- On LCD Display
- 3 Pieces of 4-Digit Numeric Display
- LED Displays for Relays
- 2 Pieces of Sensor Inputs (E,J,K,L,N)
- 2 Pieces of Analog Outputs (0/4-20mA, 0/2-10V)
- 1 Piece of RS485 Communication Unit
- 4 Pieces of Relay or Logic Outputs (24V)
- 100-240V AC/DC Universal or 24V AC/DC Supply
- Isolation Between Input and Output Modules
- 2 Pieces of Temperature Control Outputs (ON/OFF Control)
- Independent Temperature and Time Setting Feature
- Temperature Set Value Adjustment Between 0...9999 or 0.0...999.9
- Time Setting Between 0...999 (Seconds, Minutes, Hours)
- Continuous or Time-Dependent Alarm Triggering at the End of Time
- Automatic / Manual Steaming Feature
- Steaming Duration Adjustment Between 1...9999 Seconds
- Temperature Offset Feature
- Sensor Failure Detection
- Retransmission (For process and set value)
- 15Vdc Logic Inputs
- Custom Software Can Be Made for Logic Inputs Upon Request.

- (Example: Start/Stop or Steaming Triggered by Door Switch)

- NOTE: Customer-specific programmatic requests regarding device operation can be made.

Device Dimensions



Panel Cutting Dimensions: 92 ± 0,5 mm x 92 ± 0,5 mm

Applications

Food, Plastic, Iron & Steel, Chemical, Metallurgy, Cement, Ceramics, Petro-Chemistry, Refineries, Glass, and other industrial sectors.

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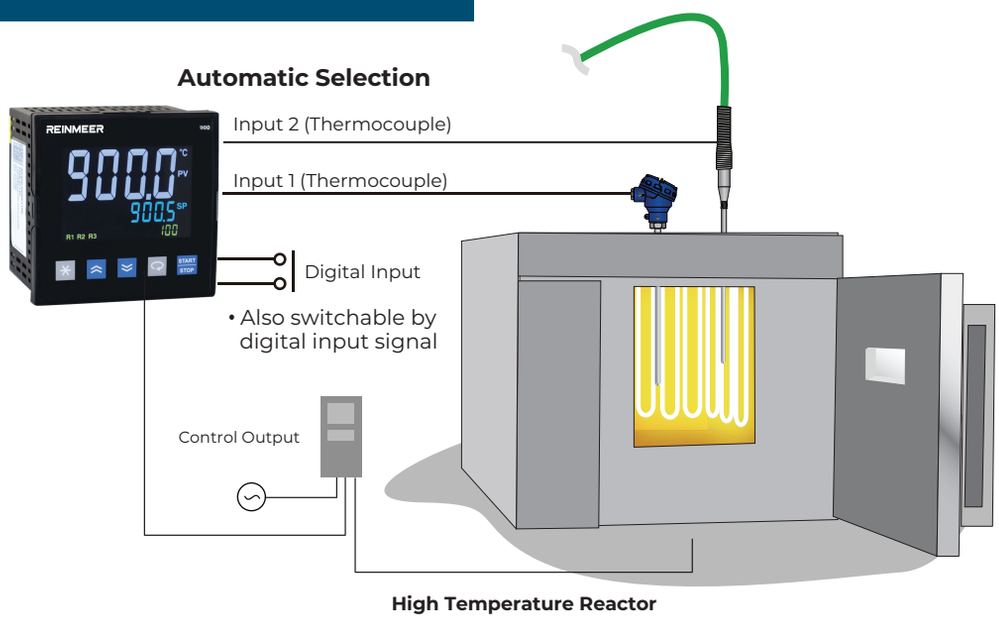

Technical Specifications

Supply Voltage (PS)	100-240 Vac/dc +10% -15% 24 Vac/dc +10% -20%
Power Consumption	4W, 6VA
Universal Sensor Input (S1)	Thermocouple : E,J,K,L,N Analog Input(01): Thermocouple, mV = 10 MΩ Current: 0/4-20mA, 20-4/0mA (RL ≥ 500 Ω) Voltage: 0/2-10V (RL ≥ 1 MΩ)
Relay Outputs (R1, R2, R3, R4)	Contact (R1, R2, R3, R4): 250VAC 10A Logic Output = 24Vdc 20mA
Contact Life	No Load = 10,000,000 Switching 250V 10A Resistive Load: 1,000,000 Switching
Other	Memory: 100 Years, 100,000 Renewals Accuracy: ± 0.2% Sampling time: 100 ms Operating temperature: -10...+55°C Storage temperature: -20...+65°C
Protection class:	Front panel IP54 / Rear panel IP20
Mechanical Specifications	Width: 96 mm Height: 96 mm Depth: 78.2 mm Panel cut-out: 92 ± 0.5 mm x 92 ± 0.5 mm Weight: 430 g

Electrical Wiring Diagram