

SINGLE THERMOCOUPLE INPUT OVEN CONTROL DEVICES

ETRANS – OC901 Datasheet

Precise Measurement,
Ultimate Control

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SINGLE THERMOCOUPLE INPUT OVEN CONTROL DEVICES

MODEL Etrans- OC901



Description

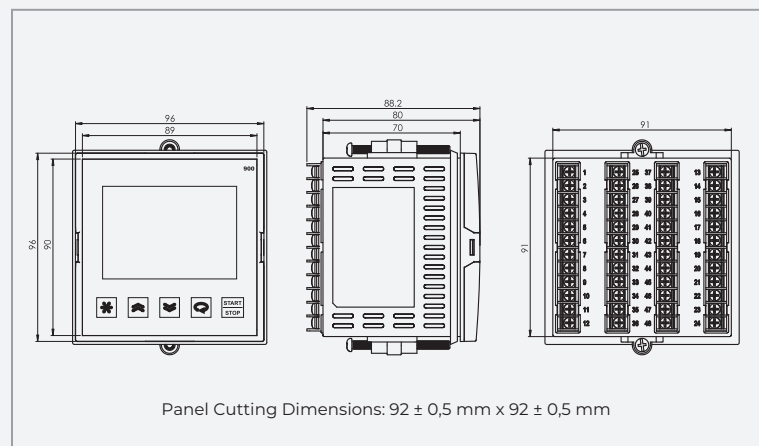
OC901 Model devices are 96x96 mm sized oven control devices that perform temperature control with a single thermocouple and are used for time-dependent baking processes. They are fully modular devices capable of temperature control with On/Off control, featuring Automatic/Manual steam generation, providing an alarm at the end of the time, and each module can be configured independently. Thanks to its universal power supply, it can be used with a 100-240VAC/DC or 24V power supply.



General Features

- Display: LCD Display
 - 3 Pieces 4-Digit Numeric Displays
 - LED Indicators for Relays
 - 1 Sensor Input (B, E, J, K, L, N, R, S, T, U)
 - 2 Analog Outputs (0/4-20mA, 0/2-10V)
 - 1 RS485 Communication Unit
 - 4 Relay or Logic Outputs (24V)
 - 100-240V AC/DC Universal or 24V AC/DC Supply
 - Isolation Between Input/Output Modules
 - Temperature Control Output (ON/OFF or PID Control)
 - Independent Temperature and Time Setting Feature
 - 0...9999 or 0.0...999.9 Temperature Set Value Adjustment
 - 0...999 Time Setting (Seconds, Minutes, Hours)
 - Continuous or Time-Dependent Alarm at the End of Time
 - Automatic / Manual Steam Feature
 - Steam Duration Adjustment between 1...9999 Seconds
 - Temperature Offset Feature
 - Sensor Failure Detection
 - Retransmission (For process and set value)
 - 15Vdc Logic Inputs
 - Customization: Custom Software Can Be Developed for
 - Logic Inputs Upon Request. (For example: Start/Stop or Steam Generation connected to a Door Switch).
- NOTE: Programmatic requests related to the customer-specific operation of the device can be made.

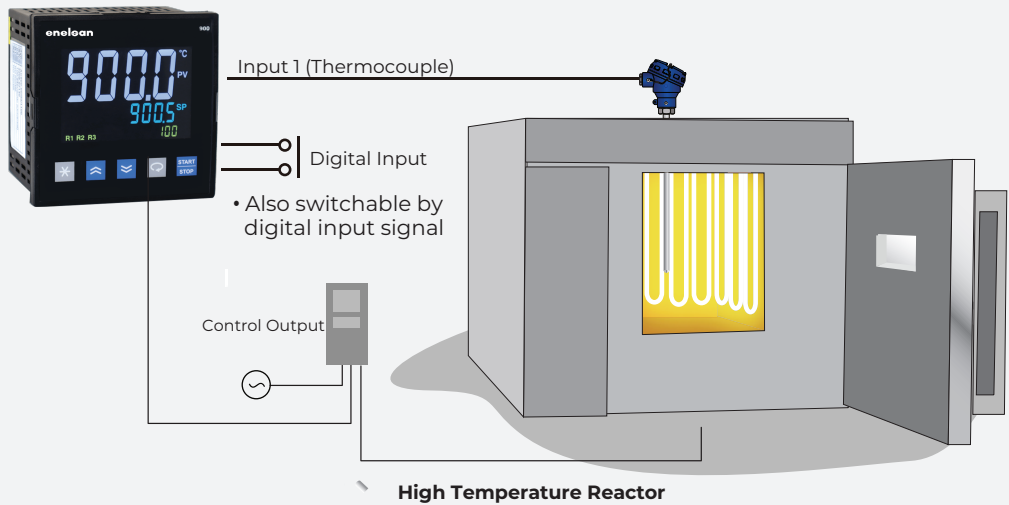
Device Dimensions



Applications

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

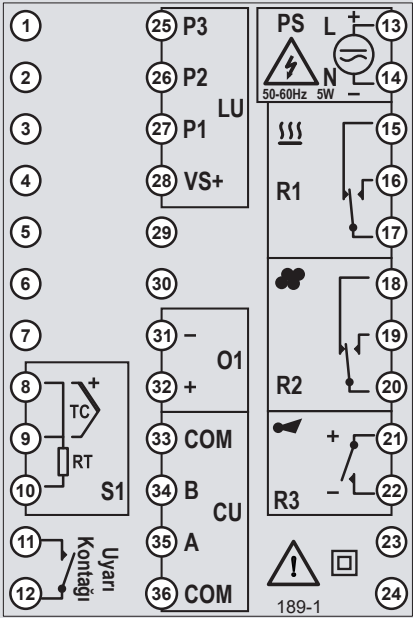
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Technical Specifications

Supply Voltage (PS)	100-240 Vac/dc +10% -15% 24 Vac/dc +10% -20%
Power Consumption	4W, 6VA
Universal Sensor Input (S1)	Thermocouple: B, E, J, K, L, N, R, S, T, U Analog Input Imped.: 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



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