

Cooking Controller

Industrial Kitchen Controllers

ESM-9944-N ESM-9945-N



- ▶ Programmable ON/OFF, P, PI, PD, and PID control types
- ▶ Ease of Use with Single Display and Port

- ▶ Adaptation of PID coefficients to the system by Auto Tune / Self Tune

Specifications

- 4 digits display
- Process input (TC,RTD)
- J,K,R,S Termokupl and 2 or 3 wire Pt100 input
- Adjustable Process Offset Value
- Working time selection in minutes or seconds
- Audible alarm by internal buzzer
- Door switch input
- Steam output (ESM-9945)

Technical Specification

Input: Selectable TC (J,K,R,S) or Pt-100

Measurement Range

Accuracy: ±0,25% of full scale

Cold Junction Compensation : Automatically ± 0.1°C/1°C

Sensor Break Protection: Upscale

Sampling Cycle: 10 samples per second

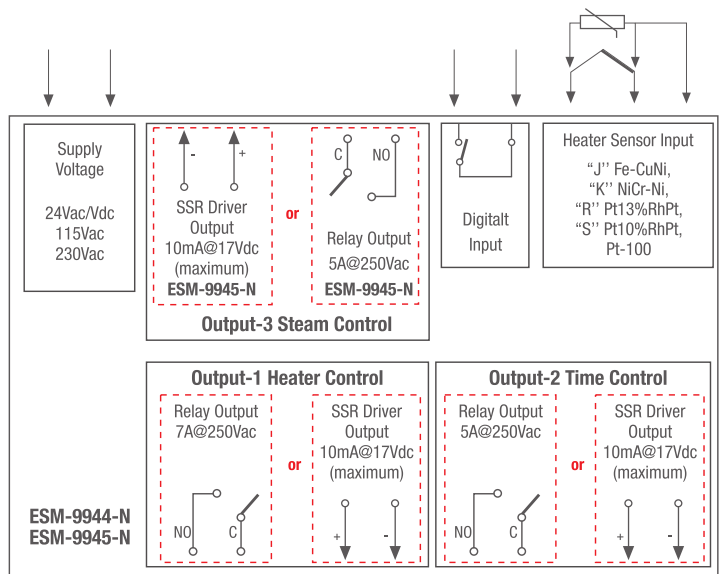
Supply Voltage

- 24Vac /Vdc (-%15, +%10) 50/60Hz 3VA
- 24Vac (-%15, +%10) 50/60Hz 3VA
- 115Vac (-%15, +%10) 50/60Hz 3VA
- 230Vac (-%15, +%10) 50/60Hz 3VA

Output

Heater Control Output:

- Relay (7A@250V at resistive load)
- SSR Driver Output (max. 10 mA@17Vdc)



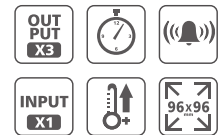
Time Output:

- Relay (5A@250V at resistive load)
- SSR Driver output (max. 10 mA@17Vdc)

Steam Output (ESM-9945)

- Relay (5A@250V at resistive load)
- SSR Driver output (max.10 mA@17Vdc)

Dimension: 96x96mm, Depth: 100mm



ESM-9944-N
ESM-9945-N

- A Supply Voltage
- 2 24Vac/dc (-%15, +%10) 50/60Hz
- 3 24Vac (-%15, +%10) 50/60Hz
- 4 115Vac (-%15, +%10) 50/60Hz
- 5 230Vac (-%15, +%10) 50/60Hz

- BC Input
- 25 Selectable TC (J,K,R,S) or Pt-100

- Steam Control Output-3 (ESM-9945-N) HI
- Relay Output (5A@250V at resistive load) 01
- SSR Driver Output (max. 10 mA@17Vdc) 02

- Time Control Output-2 FG
- Relay Output (5A@250V at resistive load) 01
- SSR Driver Output (max. 10 mA@17Vdc) 02

- Heater Control Output-1 E
- Relay Output (7A@250V at resistive load) 1
- SSR Driver Output (max. 10 mA@17Vdc) 2