

Heating and Cooling Controller

ESM-3711-HN

Dual SET Digital ON/OFF Heating Controller (SET+ALARM)

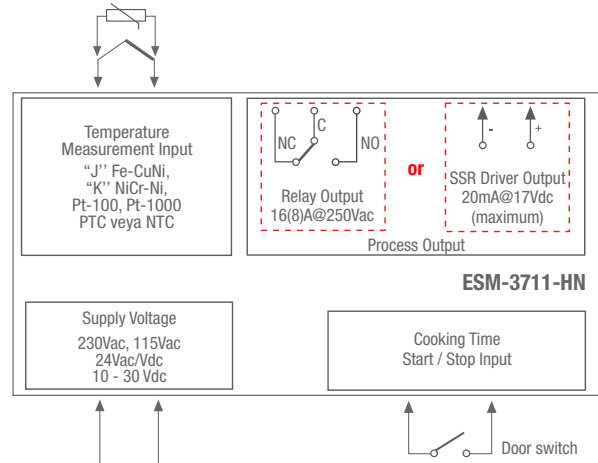


- ▶ Remote access, data collecting and controlling with Modbus RTU
- ▶ Installing parameters using Prokey
- ▶ User can select to start cooking time (Timer) when temperature reaches to the set value

- ▶ Adjustable temperature offset
- ▶ Functional Internal Buzzer
- ▶ ON / OFF temperature control

Specifications

- 4 Digits display
- User can select to start Cooking Time when Temperature reaches to the Set Value
- PTC, NTC, PT-100, PT-1000 thermoresistances input types
- Fe-Const (J), NiCr-Ni (K) thermocouples input types
- Temperature Control Output and Alarm Output
- Relay or SSR Driver Output
- Adjustable Cooking Time from Front Panel
- Digital Input (Start/Stop Input for Cooking Time)
- Temperature Control According to the Cooking Time
- Adjustable Internal Buzzer According to Cooking Time,
- Probe Defect and Alarm Status



Technical Specification

- Accuracy:** $\pm 1\%$ of scale
- Cold Junction Compensation:** Automatically $\pm 0.1^\circ\text{C}/1^\circ\text{C}$
- Sensor Break Protection:** Upscale
- Sampling Cycle:** 3 samples per second



ESM-3711-HN . A . BC . 0 . E / 00 . 00 / . 1 . V . 0 . 0

ESM-3711-HN
(76x34,5x71 mm)

- A** Supply Voltage
- 2** 24Vac/dc ($\pm 15\%$) 50/60 Hz
- 3** 24Vac ($\pm 15\%$) 50/60 Hz
- 4** 115Vac ($\pm 15\%$) 50/60 Hz
- 5** 230Vac ($\pm 15\%$) 50/60 Hz
- 8** 10...30Vdc
- BC** Input
- 05** J, Fe CuNi IEC584.1(ITS90)
- 10** K, NiCr Ni IEC584.1(ITS90)
- 11** Pt 100, (-50...400°C)
- 09** Pt 100, (-19.9...99.9°C)
- 12** PTC (-50...130°C)
- 14** Pt 1000, (-50...400°C)
- 13** Pt 1000, (-19.9...99.9°C)
- 18** NTC (-50...100°C)

- V**
- 1** PTC-M6L40.K1.5 (PTC Air Probe with 1.5 m silicon cable)
- 2** PTCS-M6L30.K1.5.1/8" (PTC Liquid Probe with 1.5 m silicon cable)
- 3** NTC-M5L20.K1.5 (NTC Probe, thermoplastic moulded with 1.5 m cable for cooling application)
- 4** NTC-M6L50.K1.5 (Metal protective tubular, 1.5 m wired NTC probe)
- E** Process Output
- 1** Relay Output: (16(8)A @ 250Vac)
- 2** SSR Driver Output: (Max.20mA, Max.17Vdc)