Temperature Controllers

ESM-3720

Digital PID
Temperature Controller

With Buzzer

CE EAC

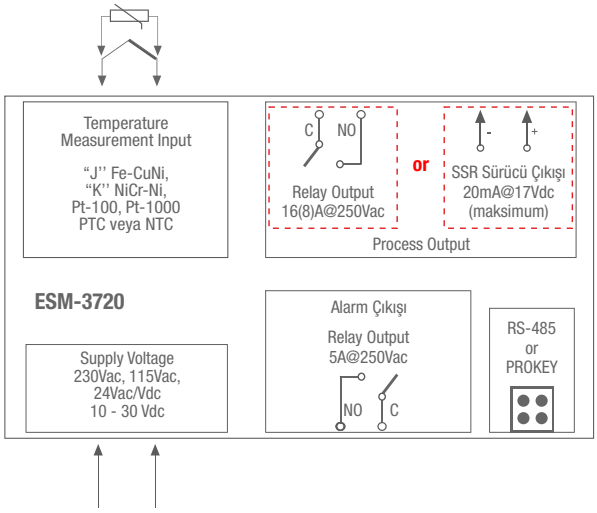
- Remote acces, data collecting and controlling with Modbus RTU
- Installing parameters using Prokey
- PID or ON/OFF selectable temperature control
- Password protection for programming section
- Having CE mark according to European Norms
- Adjustable internal buzzer according to sensor defect status

Specifications

4 Digits Display
NTC Input or PTC Input or
J type thermocouple Input or Ktype thermocouple Input or
2-Wire PT-100 Input ori 2-Wire PT-1000 Input (Must be determined in order.)
Adjustable temperature offset
Selection of operation with hysteresis
Adjustable temperature offset
Set value low limit and set value high limit boundaries
Operation selection of compressor operates continously,
stops or operates periodically in case of sensor defect
Compressor protection delays

Technical Specification

Accuracy: ±1%of scale
Cold Junction Compensation: Automatically ± 0.1°C/1°C
Sensor Break Protection: Upscale
Sampling Cycle: 3 samples per second



ESM-3720 A . BC . 0 . E / 01 . 00 / . 1 . V . 0 . 0

ESM-3720 (76x34,5x71mm)

A Supply Voltage
- 2 24Vac/dc (±%15) 50/60 Hz
- 3 24Vac (±%15) 50/60 Hz
- 4 115Vac (±%15) 50/60 Hz
- 5 230Vac (±%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
- PTC-M6L40.K1.5 (PTC Air Probe with 1.5 m silicon cable) 1
- PTCS-M6L30.K1.5.1/8" (PTC Liquid Probe with 1.5 m silicon cable) 2
- NTC-M5L20.K1.5 (NTC Probe, thermoplastic moulded with 1.5 m cable for cooling application) 3
- NTC-M6L50.K1.5 (Metal protective tubular, 1.5 m wired NTC probe) 4

Alarm Output FG
- 5A@250 Vac, 1 NO 01

Process Output E
- Relay Output: (16(8)A @ 250Vac) 1
- SSR Driver output (Maximum 20mA @ 17Vdc) 2