ESM-3710-N 77 x 35 DIN Size
Digital, ON / OFF Temperature Controller

1. Specifications

1.1 General Specifications

- Digital Display
- ON/OFF inputs

- PTC Input
- 2-Wire PT-100 Input
- 2-Wire PT-1000 Input

- Adjustable temperature offset
- ON/OFF temperature control
- Drivable heating or cooling function
- No adjustable alarm level setting
- Adjustable temperature display
- Adjustable output delay according to sensor fault
- Adjustable output delay according to sensor fault
- Adjustable output delay according to sensor fault

- Alarm Output
- RS-485 Communication Interface

- Front Panel
- IP65 protection

- Mounting Clamp

- Panel Surface (Maximum thickness 10 mm / 0.39 inch)

- 2.1 Front View and Dimensions of ESM-3710-N Temperature Controller

- 3.2 Panel Cut-Out

1.2 Ordering Information

- ESM-3710-N (77x35 DIN Size) Temperature Controller

1.3 Installation

- A visual inspection of the device prior to installation is recommended. It is important to ensure that the device is properly grounded and protected from electrical surges.

- The device must be plugged into a 115V or 230V power supply. It is recommended to use a power surge protector to protect the device from electrical surges.

- Be sure to use the rated power supply voltage to protect the unit against damage.

- Care should be taken to avoid damage to the unit in case of sensor failures.

- Do not use the unit in combustible or explosive hazardous atmospheres.

- During operation, a metal panel and mechanical connections are made to metal bars which can cause injury if handled carelessly.

- Mounting the product on a system must be done with care.

- Do not do the mounting of the device with inappropriate fixing clamps.

- The installation must be thoroughly checked and documented.

1.4 Warranty

- The device must be properly grounded and protected from electrical surges.

- The warranty is provided for a period of two years. The warranty period starts from the delivery date. The warranty is null if the device is returned in a damaged condition.

1.5 Maintenance

- The device must be properly grounded and protected from electrical surges.

- The device must be handled with care.

- Do not use the device in combustible or explosive hazardous atmospheres.

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1.6 Manufacturer Company

- Contact information
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Thank you very much for your preferences to use Emko Elektronik products, please visit our website to download detailed user manual.

www.emkoelektronik.com.tr
Before starting to remove the unit from panel, power off the unit and the related system.

When this parameter is 1, if decrement button is pressed, the unit is observed. In this condition buzzer is active till buzzer silence button is pressed.

It is used to increase the value in the Set screen and Programming mode. It is used to decrease the value in the Set screen. Pressing SET button will show the message when an error occurs while programming. If you want to reload, switch off the device and press OK button. The device will turn back to main operation screen.

If probe defect parameter is 2, then this parameter is observed. It can be adjusted from 0 to 99 minutes. Compressor is inactive during this time period in case of probe defect (Default = 0) MODBUS ADRES:40014

Password is different from 0, then press SET button for accessing to the parameter value. Press increment button for accessing to the next parameter, press decrement button for accessing to the previous parameter.

When SET button pressed, "S" led will be active and temperature set value will be displayed.

Conditions of Set displays:
- The led will be on in case of IN/OUT temperature set value is being displayed.
- The led will be off other wise.

Temperature set value can be changed with increment and decrement buttons.

Press SET button for accessing to the parameter value. Press increment button for accessing to the next parameter, press decrement button for accessing to the previous parameter.

When SET button pressed, "S" led will be active and temperature set value will be displayed.

Conditions of Set displays:
- The led will be on in case of IN/OUT temperature set value is being displayed.
- The led will be off other wise.

Temperature set value can be changed with increment and decrement buttons.

If no operation is performed in programming mode for 20 seconds, device turns to main operation screen automatically.

If probe defect parameter is 2, then this parameter is observed. It can be adjusted from 0 to 99 minutes. Compressor is inactive during this time period in case of probe defect (Default = 0) MODBUS ADRES:40014