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EMKO ESM-7710

EMKO Electronic provides a range of electronic products used in process-control applications. Their products include programmable multi function process-control instruments, counters, and time-relays.

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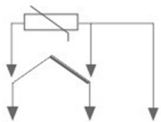
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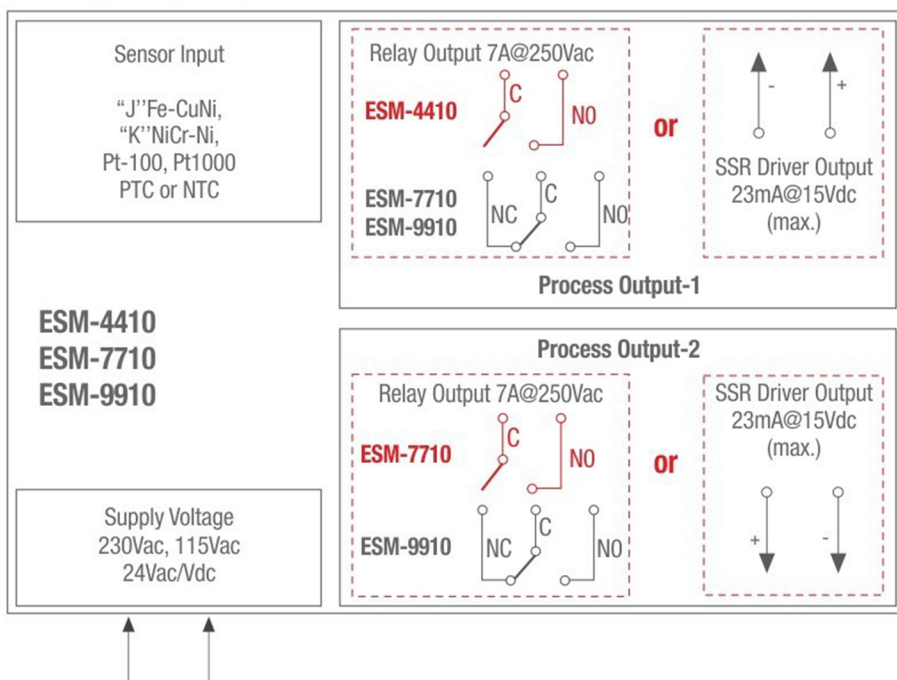
ESM-7710

Digital ON/OFF Temperature Control Device

- ON/OFF Control Form
- Selectable Heating and Cooling Function
- PTC, NTC, PT-100, PT-1000 thermoresesistances input types
- Fe-Const (J), NiCr-Ni (K) thermocouples input types (Must be determined in order)
- Operating Type Selection with Hysteresis
- Adjustment of Temperature Offset Value
- Minimum Pulling Time Adjustment for Control Outputs



Connection Diagram





Digital On/Off Temperature Controllers

Features	Descriptions
Physical Features	
Dimensions	72 mm x 72 mm 95.5 mm
Protection Class	NEMA 4X (IP65 at front, IP20 at rear)
Installation	Fixed Installation
Storage / Operating Temperature	0...50°C
Storage / Operating Humidity	90 % max. (None condensing)
Electrical Features	
Supply Voltage and Power	230 Vac (+%15) 50/60 Hz. 1.5 VA 115 Vac(+%15) 50/60 Hz. 1.5 VA 24 Vac(+%15) 50/60 Hz. 1.5 VA 24 Vac/dc (+%15, +%10) 50/60 Hz. 1.5 VA 100-240Vac 50/60Hz 10-30 Vdc
Sensor Inputs	NTC, PTC, TC, RTD NTC (10k @.25 °C) PTC(1000 @.25 °C) J, K (IEC584.1)(ITS90) PT-100, PT-1000 (IEC751)(ITS90)
Optional Sensor Inputs	
Scale	Fe CuNi 0°C...800°C NiCr 0°C...999°C PT 100 -50°C...400°C / -19.9°C...99.9°C NTC -50°C...100°C / -19.9°C...99.9°C PTC -50°C...130°C / -19.9°C...99.9°C
Accuracy	± % 1 of full scale
Output	
Relay Output	7A@250 Vac at resistive load
SSR Output	Max. 23mA, Max. 15Vdc
Analogue Output	
Optional Outputs	2nd 7A@250 Vac at resistive load
Control	
Control Form	On/Off
Reading Frequency	3 readings per second
Communication Protocols	
Approvals	GOST-R, CE

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