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EMKO ESM-4900

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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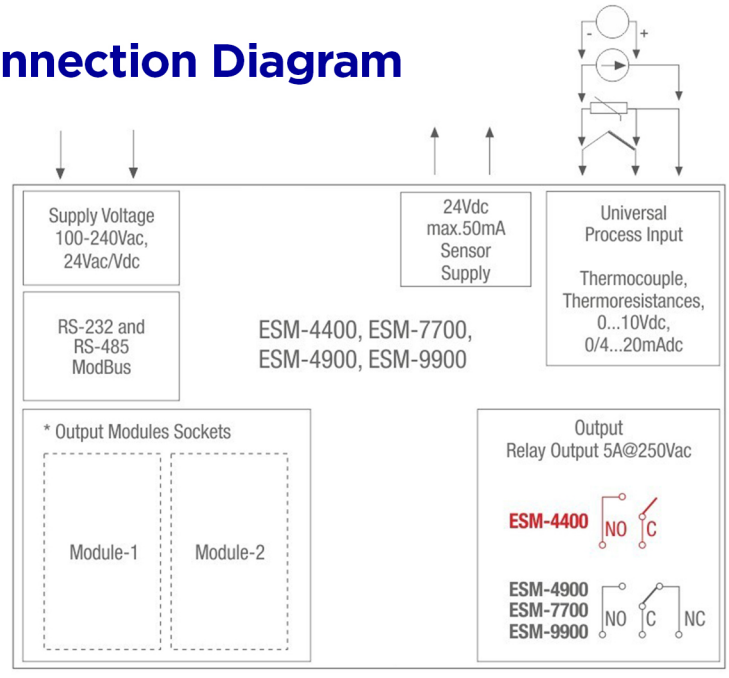
ESM-4900

"Smart Output Module" Process Indicator

ESM-4900

- Smart Output Module System
- Retransmission of Process Value or Process Control by using
- 0/4...20 mAdc Current Output Module
- Dual or multi point calibration for dc Voltage/Current input
- 4 Digit process (PV) display
- Universal process input (TC, RTD, mVdc, Vdc, mAdc)
- Programmable Alarm functions
- RS-232 (standart) or RS-485(Optional) serial communication with Modbus RTU protocol
- Configurable ON/OFF, P, PI, PD, and PID control forms

Connection Diagram



Process Control Devices

Features	Descriptions
Physical Features	
Dimensions	96 mm x 48 mm 86,5 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	100-240 V ac (-15%,+10%) 50/60 Hz. 6 VA 24 Vac (-15%,+10%) 50/60 Hz. 6 VA 24 Vdc (-15%,+10%) 6 W
Sensor Inputs	Universal Input TC, RTD, Voltage/Current (dc) Selectable by configuration parameters L (DIN43710) J, K, R, T, S, B, E, N (IEC584.1) (ITS90) PT100 (IEC751) (ITS90)
Optional Sensor Inputs	
Scale	
Accuracy	± 0.25% of full scale for thermocouple, thermoresista
Output	
Relay Outputı	5A@250 Vac at resistive load
SSR Outputı	
Analogue Output	
Optional Outputs	EM0-400 Relay Output Module (3A@250V) EM0-410 SSR Output Module (20mA@18V) EM0-420 Digital (Transistor) Output Module (40mA@ EM0-430 0/4-20mA Current Output Module
Control	
Control Form	On/Off
Reading Frequency	3 readings per second
Communication Protocols	MODBUS-RTU
Approvals	UL Recognized Component (Fwith No : E 254103), GC

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