



# PMA KS50-1 Universal Industrial Controller

## Product Images



## Short Description

A universal controller for precise, and cost effective control tasks in all branches of industry providing on/off control, continuous PID control, or 3-point stepping control.

## Description

A universal controller for precise, and cost effective control tasks in all branches of industry providing on/off control, continuous PID control, or 3-point stepping control.

- Self-Tuning to the setpoint without oscillation
- 3-point controller for water, fan and oil cooling
- 100 ms cycle time
- Universal input and current input / alternatively 2nd universal input

- Customer-specific linearization for all sensors
- Freely configurable analog output
- Self-Tuning to the setpoint without oscillation
- 3-point controller for water, fan and oil cooling
- Programmer with 4 segments and 'end' signal
- Various timer functions
- Simple, 3-key operation

## Additional Information

Country of Manufacture	United Kingdom
Explanation	<div> <div>Specifications</div> <div>           Product Category: Single Loop Controller            Dimensions and size: 96m x 48mm x 118mm (HxWxD), 1/8 DIN            Connectors: Pin or screw terminals            Primary Input Type: Universal (TC, RTD, DC linear mA/mV)            Other Inputs: External setpoint, Heating current monitoring            Output Type: Relay, Logic, Continuous, Optocoupler            Max. Number of Outputs: 3            Scan Time: 100 ms            Control Type: 2-point (on/off), continuous PID control, or 3-point stepping            Number of Programmer Segments:10            Power Supply: 90-260 VAC, 20,4-26,4 VAC: Frequency 48-62 Hz, 18-31 V DC            Communications: Modbus RS422/485            Panel Sealing: IP65            Certifications: CE, cULus, DIN EN 14597, GOST-R            Software Tools: BlueControl         </div> </div>
Brand	West
Display Colour	Red
Display Digits	4
Input Type	Thermocouple, RTD, Linear
Typical applications	Environmental (Indoor), Industrial, Oven Profiling, Thermal Processing
Measurements	Temperature

## Additional Options

<b>Dimensions</b>	[50-1]1/8 DIN
	[52-1]1/4 DIN
<b>Terminal Type</b>	[0]Flat Pin Terminals
	[1]Screw Terminals
<b>Power Supply &amp; Outputs</b>	[0]90-250V AC, 3 relays
	[1]24VAC/18-30VDC, 3 relays
	[2]90-250V AC, 2 relays, mA/V/Logic
	[3]24VAC/18-30VDC, 2 relays, mA/V/Logic
<b>Serial Interface &amp; Options</b>	[4]24VAC/18-30VDC, 2 relays, mA/V/Logic
	[0]No Option
	[1]RS422/485 + UT + di2, di3 + OUT5/6
<b>Configuration</b>	[8]UT + di2, di3 + OUT5/6
	[0]Standard Configuration
	[9]Configuration to Specification
<b>Manual Language</b>	[0]No Manual
	[E]English
	[F]French
	[D]German
<b>Certification</b>	[0]Standard Configuration
	[U]UL certified
	[D]DIN 3440 certified
<b>Documentation</b>	Operating Manual- German
	Operating Manual- English
	Operating Manual- French
	Datasheet- German
	Datasheet- English