



Temperature Controller

Panasonic Electric Works Corporation of America offers a broad line of highly flexible controllers for use as temperature controllers with PID (built-in auto-tuning function included), analog signal conditioners with scaling and panel meters with a very bright and easy to read display. The KT line of controllers is well suited for a wide variety of machine and process control applications. Each controller offers a wide selection of inputs and outputs.

Key Features

- Slim Size (22.5 x 75 x 100mm)
 - RS485 ASCII/Modbus Communications Available
 - Supply Voltage - 24V AC/DC or 100 to 240V AC
 - CE, UL/CSA Approval
 - Common Applications - Constant temperature bath, scrubber, shrink wrapping, oven, warm and cold storage units
 - Multi-Input - Versatile thermocouple, RTD, DC Current, DC Voltage
 - Control Modes - PID, on/off, Anti-Reset-Windup (ARW)
 - Control Outputs - Relay, non-contact voltage output (for SSR drive, DC current output)
 - Simple & Accurate - +/- 0.2% span
 - Alarm Output - 9 different operation modes
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Currently viewing: KT7 Temperature Controllers

Model Name	Sensor Input	Control Output	Heater Burnout Alarm	Pattern Function	Communications	Signal Conditioner	Relay Alarm Outputs
Sort ▲ ▼	Sort ▲ ▼	Sort ▲ ▼	Sort ▲ ▼	Sort ▲ ▼	Sort ▲ ▼	Sort ▲ ▼	Sort ▲ ▼
AKT7111100	Multiple	Relay		No		Yes	1
AKT71111001	Multiple	Relay		No	RS485	Yes	1
AKT7111101	Multiple	Relay		No		Yes	1
AKT71111011	Multiple	Relay	5A Heater burnout Alarm	No	RS485	Yes	1
AKT7111102	Multiple	Relay		No		Yes	1
AKT71111021	Multiple	Relay	10A Heater burnout Alarm	No	RS485	Yes	1
AKT7111103	Multiple	Relay		No		Yes	1
AKT71111031	Multiple	Relay	20A Heater burnout Alarm	No	RS485	Yes	1
AKT7111104	Multiple	Relay		No		Yes	1
AKT71111041	Multiple	Relay	50A Heater burnout Alarm	No	RS485	Yes	1
AKT7112100	Multiple	Non-Contact voltage for SSR		No		Yes	1
AKT71121001	Multiple	Non-Contact voltage for SSR		No	RS485	Yes	1
AKT7112101	Multiple	Non-Contact voltage for SSR		No		Yes	1
AKT71121011	Multiple	Non-Contact voltage for SSR	5A Heater burnout Alarm	No	RS485	Yes	1
AKT7112102	Multiple	Non-Contact voltage for SSR		No		Yes	1
AKT71121021	Multiple	Non-Contact voltage for SSR	10A Heater burnout Alarm	No	RS485	Yes	1
AKT7112103	Multiple	Non-Contact voltage for SSR		No		Yes	1
AKT71121031	Multiple	Non-Contact voltage for SSR	20A Heater burnout alarm	No	RS485	Yes	1
AKT7112104	Multiple	Non-Contact voltage for SSR		No		Yes	1
AKT71121041	Multiple	Non-Contact voltage for SSR	50A Heater burnout alarm	No	RS485	Yes	1
AKT7113100	Multiple	4-20mA		No		Yes	1
AKT71131001	Multiple	4-20mA		No	RS485	Yes	1
AKT7211100	Multiple	Relay		No		Yes	1



KT7

Product Types

Temperature Controller KT7

Handy and slim

- Size 22.5 x 75 x 100mm (WxHxD)
- Front screw terminals
- DIN rail mounting type
- Analogue value converter function



Ordering code

A K T 7 1 1 1 1 0 0 1

Power Supply
1=100 to 240V AC
2=24V AC/DC

Sensor input
1=multi-input

In stock:
AKT7111100
AKT7112100
AKT7113100
AKT7211100
AKT7212100
AKT7213100
AKT71111001
AKT71111001
AKT72111001
AKT72121001
other types on demand

Control output
1=relay
2=non-contact voltage
3=DC current

Alarm output
0=alarm1 open collector

Communication function
blank=not available
1=RS485

Heater burnout alarm
0=not available
1=5A
2=10A
3=20A
4=50A

Heating/Cooling control output
0=no control output 2