

- Selectable input from panel (TC, RTD, Analog)
- **PID**, Initial power-up overshoot suppression function
- Super large and bright LED display
- High measuring accuracy, 0.2% F.S.
- Wide range of power supply 85~265VAC
- SSR drive/Relay/4-20mA/Triac output
- Dual line 4 digits display
- RS-485, 4-20mA Re-transmission optional
- Decimal points for all input signals
- C or F display selected on user's discretion
- Alarm standby function integrated
- Output graphic bar indication
- Soft-start function (analog output only)



Ordering Information

MTA-
 ① ② ③ ④ ⑤ ⑥

① Panel Size

48 _____ 48mm (width) x 48mm (height)
 49 _____ 48mm (width) x 96mm (height)
 72 _____ 72mm (width) x 72mm (height)
 96 _____ 96mm (width) x 96mm (height)
 94 _____ 94mm (width) x 48mm (height)

② Output

R _____ Relay
 V _____ SSR drive
 D _____ 4-20mA
 M _____ Triac

③ Alarm

1 _____ 1 alarm
 2 _____ 2 alarm

④ Power Supply

96 _____ 85~265VAC

⑤ PV or SV Re-Transmission Output

N _____ Without PV or SV re-transmission
 P42 _____ PV re-transmission as 4-20mA
 P005 _____ PV re-transmission as 0-5VDC
 P010 _____ PV re-transmission as 0-10VDC
 S42 _____ SV re-transmission as 4-20mA
 S005 _____ SV re-transmission as 0-5VDC
 S010 _____ SV re-transmission as 0-10VDC

⑥ Modbus-RTU RS-485 Communication

N _____ Without RS-485 Communication
 K _____ With RS-485 Communication

① ② ③ ④ ⑤ ⑥

Example: MTA - 48 - R - 1 - 96 - N - K
 MTA controller, size 48mm x 48mm, relay output, 1 alarm,
 85~265VAC source, with RS-485 communication.

Standard Stock Range

CODE	DESCRIPTION	PRICE
MTA-48-R-1-96-N-N	Size: 48mm x 48mm Input: TC, RTD, or Analog Output: Relay, Alarm: 1	€75.00

CODE	DESCRIPTION	PRICE
MTA-48-V-1-96-N-N	Size: 48mm x 48mm Input: TC, RTD, or Analog Output: SSR Drive, Alarm: 1	€75.00

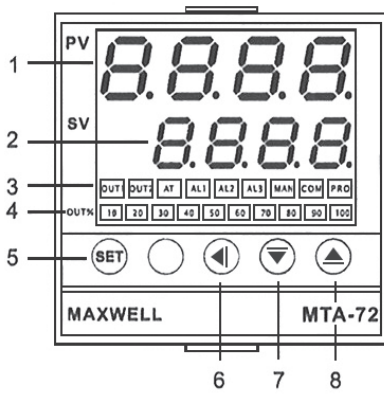
CODE	DESCRIPTION	PRICE
MTA-48-D-1-96-N-N	Size: 48mm x 48mm Input: TC, RTD, or Analog Output: 4-20mA, Alarm: 1	€97.00

CODE	DESCRIPTION	PRICE
MTA-49-R-1-96-N-N	Size: 48mm x 96mm Input: TC, RTD, or Analog Output: Relay, Alarm: 1	€75.00

CODE	DESCRIPTION	PRICE
MTA-49-V-1-96-N-N	Size: 48mm x 96mm Input: TC, RTD, or Analog Output: SSR Drive, Alarm: 1	€75.00

CODE	DESCRIPTION	PRICE
MTA-49-D-1-96-N-N	Size: 48mm x 96mm Input: TC, RTD, or Analog Output: 4-20mA, Alarm: 1	€97.00

Panel Description



- 1 _____ Measured value (PV) display (RED)
- 2 _____ Set value (SV) display (GREEN)
- 3 _____ OUT1 lamp: Output indication
OUT2 lamp: Remark lamp
AT lamp: Auto-tuning indication
AL1 lamp: Alarm 1 output indication
AL2 lamp: Alarm 2 output indication
AL3 lamp: Remark lamp
MAN lamp: Remark lamp
COM lamp: Communication indication
PRG lamp: Remark lamp
- 4 _____ LED bar: Output 1% value indication
- 5 _____ SET key: Used for parameter calling up and set value registration
- 6 ◀ _____ Shift key and setting SV key
- 7 ▼ _____ Down key, decrease numbers
- 8 ▲ _____ Up key, increase numbers

General Specifications

Power Supply _____	85~265VAC/24DC
Power Consumption _____	5 VA (maximum)
Display _____	Dual line four digits. 7 segments LED display
Control Method _____	P, PID, PI, PD, ON/OFF (P=0)
Control Action _____	Reverse (heating) or direct (cooling)
Input _____	Thermocouple (K, E, J, N, Wu3_Re25, S, T, R, B) Pt100 (up to 800°C) Voltage and current (0-5VDC, 0-10VDC, 0-50mV, 0-20mV, 0-20mA, 2-10VDC, 1-5VDC, 4-20mA)
Measuring Accuracy _____	0.2% F.S.
Control Accuracy _____	+/- 1 Celsius
Alarm Output _____	1 alarm/ 2 alarms
Proportional Band (P) _____	0.0-200.0
Integral Time (I) _____	1-3600S
Derivative Times (D) _____	1-3600S
Control Time (T) _____	1-999S
Sampling Time (T) _____	0.25 second / 4 times per second
Ambient Temperature _____	0°C~50°C
Memory Retention _____	Yes
Ambient Humidity _____	45%-85% RH (none freeze)
Package Size _____	48mm x 48mm (6.5cm x 6.8cm x 12.5cm), 48mm x 96mm (10.8cm x 12.5cm x 6cm) 72mm x 72mm (12.5cm x 8cm x 8.2cm), 96mm x 96mm (12.5cm x 10.1cm x 11cm)
Unit Weight _____	48mm x 48xmm (0.18kg), 48mm x 96mm (0.22kg) 72mm x 72mm (0.26kg), 96mm x 96mm (0.32kg)
Communication _____	RS-485 modbus RTU

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