# ATR02 Series

Features

- High-performance CPU chips
- variety of operating modes
- set the digital display dial code
- multiple delay contact specifications, a variety of installat
- with a variety of outlets to choose from
- Dimensions: 48 × 48 × 95 (mm)

▶ Technical parameters

Type	ATR02-B1	ATR02-B2	ATR02-B3	ATR02-SB1	ATR02-SB2	ATR02-SB3
Forms of work	Single power-delay-type (positive, Countdown)			Single-stage cycle time delay or time delay		
Contact form	1 AC(with clear, pause)	2 AC	1AC（With instantaneous contact）	1 AC(with clear, pause)	2 AC	1AC（With instantaneous contact）
Contact capacity	AC250V/DC28V 5A(Resistive)					
Delay range	0.01S~99.99S 1S~99M99S 1M~99H99M (Arbitrarily set)			0.01S~990H (Arbitrarily set)		
Operating voltage	AC/DC12V、24V、36V、48V、110V AC220V、380V					
Delay accuracy	Time to repeat the error of movement±0.05%±50ms Voltage error±0.05%±50ms					
Power	≤4.5VA	Electrical life	≥10⁵	≤4.5VA	Electrical life	≥10⁵
Ambient temperature	-5~+40℃	Mechanical life	≥10⁶	-5~+40℃	Mechanical life	≥10⁶
Humidity	35~+85%RH	Storage temperature	-25~+55℃	35~+85%RH	Storage temperature	-25~+55℃

▶ Model description

A TR 02 - □ □ □

- Contact form
- Delay range
- Forms of work
- Design Code
- Time Relay
- AIKS
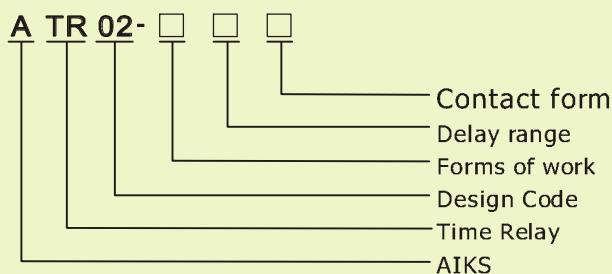
- Delay Range: A single session; B and more time
- Forms of work:
  space (not identified) for the power-delay;
  S for the cycle delay;

### ▶ Layout, mounting dimensions   unit: mm
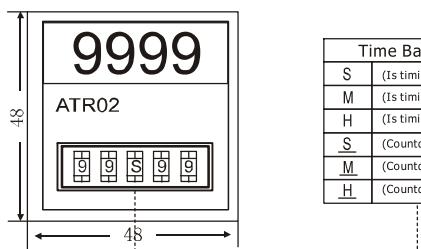
9999
ATR02
48 / 48

Time Base	
S	(Is timing)99.99S
M	(Is timing)99M99S
H	(Is timing)99H99S
S	(Countdown)99.99S
M	(Countdown)99M99S
H	(Countdown)99H99S

9999
ATR02-S
48 / 48

AIKS

▶ Layout, mounting dimensions   unit: mm

44.8

6

0.7
13.5
72.5
97.4

Note: Hole Size: 45 × 45

50
50
14.5
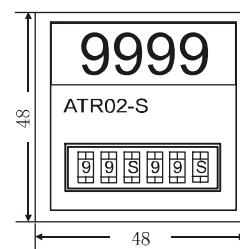
Transparent dust cover
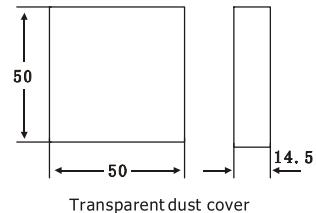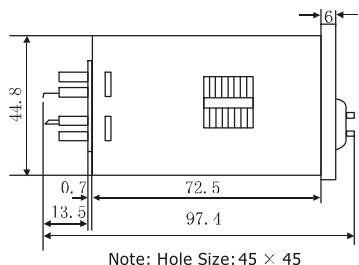
ATR02 panel mounting: Standard factory configuration: snap, transparent dust cover, UA08/UA11 outlet

33.5
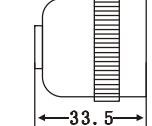
UA08 outlet (8 feet)
UA11 outlet (11 feet)

Snaps Panel

109
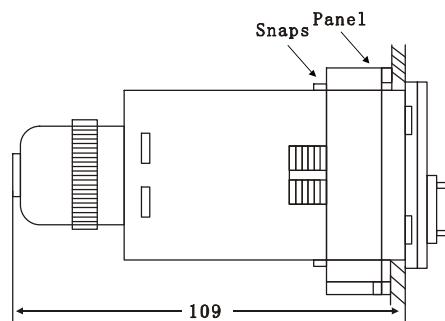
ATR02 panel installation: Snap, transparent dust cover, ARS09-08T socket (optional)
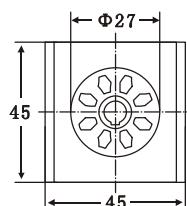
Φ27
45
45

ARS09-08T Socket

ARS09-08T Socket

Snaps Panel

108
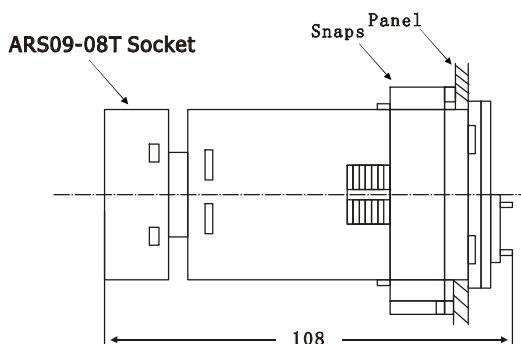
ATR02 device type and the rail mounting: Configuration: transparent dust cover, ARS07-08T socket (optional)

8-M3.5×7.5
40
70
2-Φ4.5
4
50
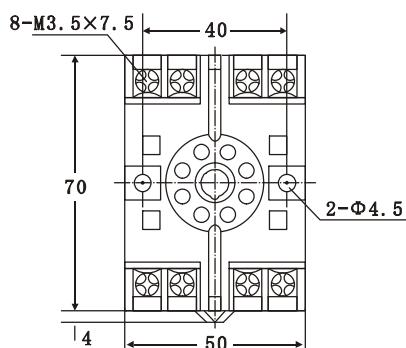
**Device type and rail socket ARS07-08T**

ARS07-08T插座

120.5
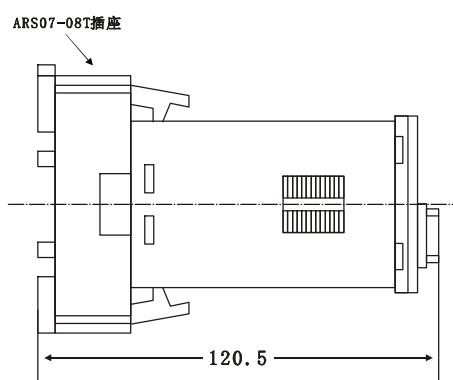
▶ Layout，mounting dimensions　　　　unit: mm

ATR02 device type and the rail mounting: Configuration: transparent dust cover, PF113A/ARS04-11T 11 pin socket (optional)

11-M3.5×7 Screw

52

41 5 34 4

43

Mounting Holes

$45^{+0.6}_{-0}$

$45^{+0.6}_{-0}$

117
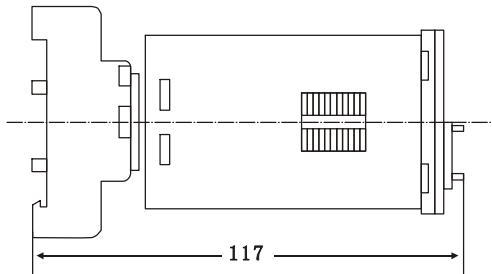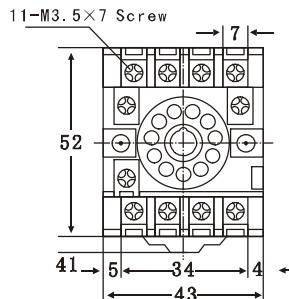
2 sets of side continued installation of more than
(2 sets side by side above the close air and naval installation)

$45^{+0.6}_{-0}$

N
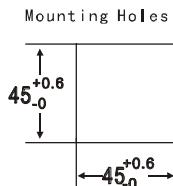
Note:
1, the installation panel thickness of 1 ~ 5mm for the most appropriate
2, for installation, please note that side by side, tandem and the direction of the buckle
3、When not using the transparent cover，$N=(48n-2.5)^{+1}_{0}$
4、When using the transparent cover，$N=(48n-2.5+(n-1)\times3)^{+1}_{0}$

## ▶ Wiring diagram

Enter a pause　　　　Delay contact
Re-zero input

Power

ATR02-B1

Delay contact　　　　Delay contact

Power

ATR02-B2

Delay contact

Power

ATR02-B3

暂停
复位

Power

ATR02-SB1

Power

ATR02-SB3

Power
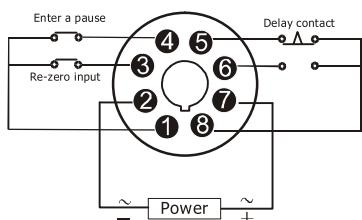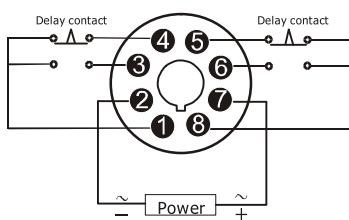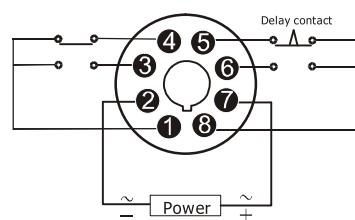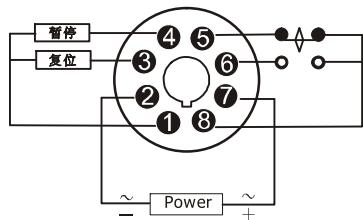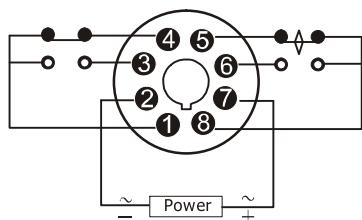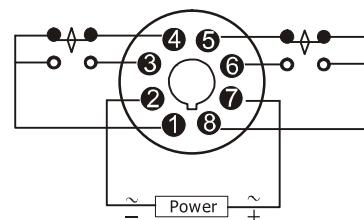
ATR02-SB2

▶ **Figure procedures**

● Single-stage-type functions

Power input
Reset input
Suspend the input
Get input

>1Seconds
≥0.05 Seconds
Time to reach
Time to reach
ON OFF

● Circular feature

Power input

Control signal

Get input

Time T1 | Time T2 | Time T1 | Time T2

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