AT SerieConverter /Isolator Manual (Stochastic version)

■ ADJUSTMENT

Customer can specify AT series with dip switch in optional code (-DP) for change of input and output range to save stock.

⚠ **Recalibration is recommended after change range.**

Signal input change table (by dip switches - option)

AT-PR(0~10V/4~20mA)

Input signal:				
Input range	Dip-Switch (ZC)			
	SW1	SW2	SW3	SW4
0 ~ 5 V				
0 ~ 10 V		on		
1 ~ 5 V			on	on
2 ~ 10 V		on	on	on
0 ~ 20 mA	on			
4 ~ 20 mA	on		on	on

AT-TR(Pt100Ω)

Input Signal : Pt100Ω(Code:P1)										
Signal Range	Dip-Switches – ZB1						Dip-Switches – ZC1			
	SW1	SW2	SW3	SW4	SW5	SW6	SW1	SW2	SW3	SW4
0 ~ 50°C				on			on			
0 ~ 100°C	on				on			on		
0 ~ 200°C		on				on			on	
0 ~ 400°C			on							on

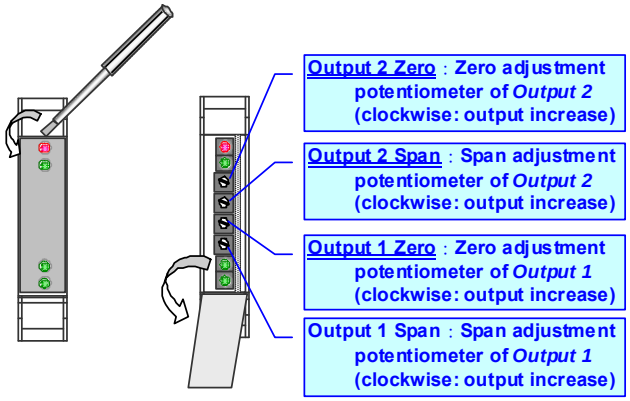
Input Signal: Pt100Ω(Code:P2)										
Signal Range	Dip-Switches – ZB1						Dip-Switches – ZC1			
	SW1	SW2	SW3	SW4	SW5	SW6	SW1	SW2	SW3	SW4
0 ~ 200°C				on			on			
0 ~ 400°C	on				on			on		
0 ~ 600°C		on				on			on	
0 ~ 800°C			on							on

Input Signal : Pt100Ω(Code:P3)										
Signal Range	Dip-Switches – ZB1						Dip-Switches – ZC1			
	SW1	SW2	SW3	SW4	SW5	SW6	SW1	SW2	SW3	SW4
-50 ~ 50°C				on			on			
-50 ~ 100°C	on				on			on		
-50 ~ 200°C		on				on			on	
-50 ~ 400°C			on							on

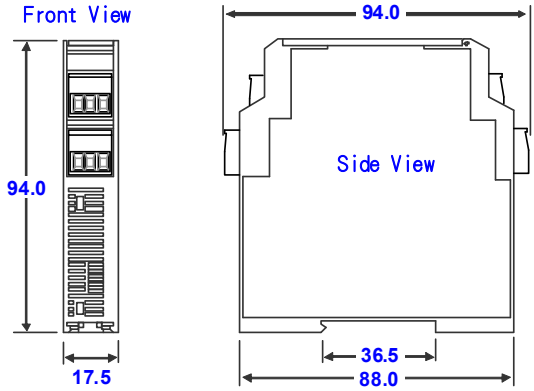
Output signal switching sheet (dip-switch- option)

Output signal :						
Output range	Dip-Switches – ZB/ZA					
	Output 1(ZB) / Output 2(ZA)					
	SW1	SW2	SW3	SW4	SW5	SW6
0 ~ 5 V		on	on	on		on
0 ~ 10 V		on		on		on
1 ~ 5 V	on		on	on		on
2 ~ 10 V	on			on		on
0 ~ 20 mA		on			on	
4 ~ 20 mA	on				on	

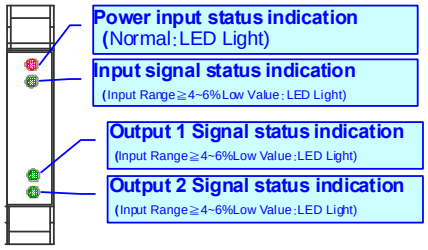
Adjustment



■ DIMENSIONS

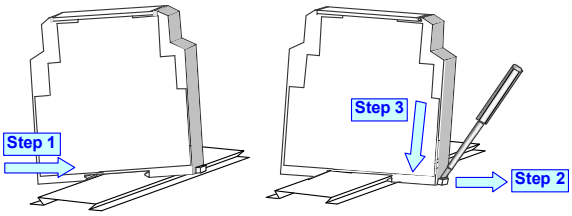


■ TOP PANEL



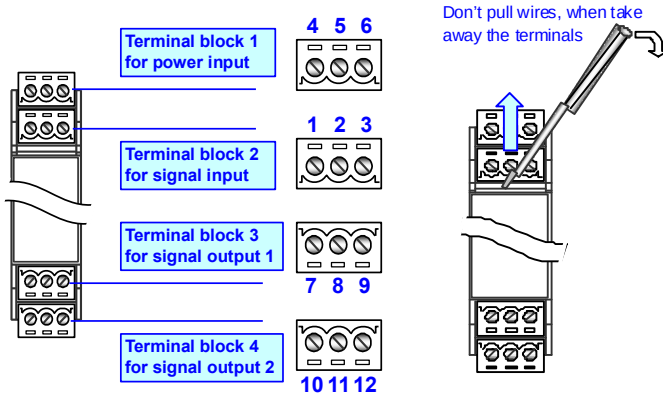
■ INSTALLATION

The converter should be installed in a location that dose not exceed the maximum operating temperature and provides good air circulation



■ CONNECTION DIAGRAM

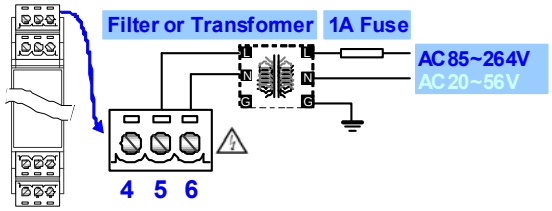
The converter has been designed pluggable terminal blocks
Rated voltage: 300V Rated current: 12A
Solid wire (AWG): 28~12 Wire strip length: 7~8mm
Screw: M2.5 Torque: 5.0 Kg-cm



Auxiliary power connection – Terminal block 1

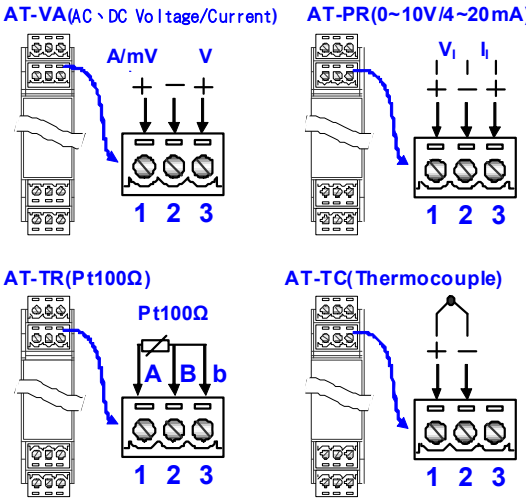
Please check the voltage of power supplied first, and then connect to the specified terminals。the meter be protected by a fuse or circuit breaker

⚠ The connection is maybe change. Please refer to the connection on the label of products



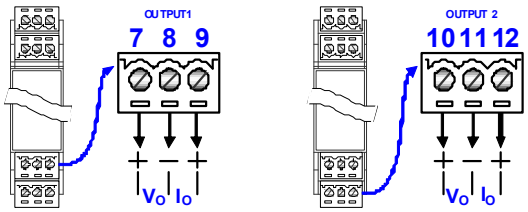
Input signal – Terminal block 2

The converter can be input and output mA and V that depends on the difference terminals wiring



Output signal 1 & 2 – Terminal block 3 & 4

OPTION "DP" Function， The converter can be output mA and V that depends on the terminals wiring. (by Dip-switch)



Excitation supply – Terminal block 4

Output 2 can be specified one of analogue and excitation supply