

ANALOG LIMITER

ALTP - □ □ □ □

Use

By setting upper/lower limit for various kinds of DC input signals, this device prevents output from exceeding the preset value. The device outputs a DC signal which is proportional to input within the preset value.

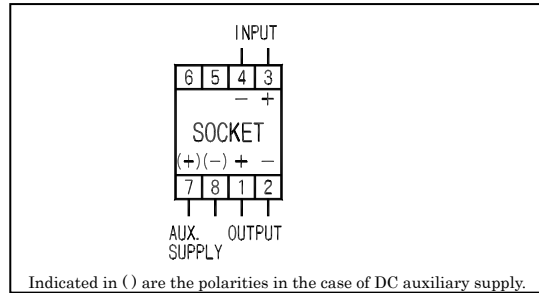
Features

1. Constant voltage/current output.
2. Volume setting is possible by front check terminal.
3. Withstand voltage between electric circuit and outer case is AC2, 000V (50/60Hz) for 1 minute, or between input/output and auxiliary supply is AC1, 500V (50/60Hz) for 1 minute. Non-insulated between input and output.
4. Impulse withstands voltage 5kV, 1.2/50μs (between electric circuit and outer case), and positive/negative polarity 3 times each is guaranteed.



**ALTP-C7F5**  
(80 × 50 × 121mm/450g)

Connection diagram



Specification

Input (input resistance or voltage drop)		Output (load resistance)	Auxiliary supply	Common specification
A1 : DC0-10mV (approx.1MΩ)	C1 : DC0-10 μ A (100mV) *1	1 : DC0-100mV ( 200 )	1 : AC100V±10%, 50/60Hz	Tolerance: ± 0.25% *2 Response time: 0.5sec./99% Consumption VA: AC power source:3VA DC power source:4W Weight: AC power source:450g DC power source:300g
A2 : DC0-50mV (approx.1MΩ)	C2 : DC0-100 μ A (100mV)	2 : DC0-1V ( 200 )	2 : AC110V±10%, 50/60Hz	
A3 : DC0-60mV (approx.1MΩ)	C3 : DC0-1mA (approx.100Ω)	3 : DC0-5V ( 1k )	3 : AC200V±10%, 50/60Hz	
A4 : DC0-100mV (approx.1MΩ)	C4 : DC0-5mA (approx.100Ω)	4 : DC 0-10V ( 2k )	4 : AC220V±10%, 50/60Hz	
A5 : DC0-1V (approx.1MΩ)	C5 : DC0-10mA (approx.100Ω)	5 : DC1-5V ( 1k )	5 : DC24V±10%	
A6 : DC0-5V (approx.1MΩ)	C6 : DC0-16mA (approx.100Ω)	A : DC0-1mA ( 10k )	0 : other than those above	
A7 : DC0-10V (approx.1MΩ)	C7 : DC4-20mA (approx.100Ω)	B : DC0-5mA ( 2k )		
A8 : DC1-5V (approx.1MΩ)	D1 : DC ± 10 μ A ( ± 100mV)*1	C : DC0-10mA ( 1k )		
B1 : DC ± 10mV (approx.1MΩ)	D2 : DC ± 100 μ A ( ± 100mV)	D : DC0-16mA ( 600 )		
B2 : DC ± 50mV (approx.1MΩ)	D3 : DC ± 500 μ A ( ± 100mV)	E : DC1-5mA ( 3k )		
B3 : DC ± 60mV (approx.1MΩ)	D4 : DC ± 1mA (approx.100Ω)	F : DC4-20mA ( 750 )		
B4 : DC ± 100mV (approx.1MΩ)	D5 : DC ± 5mA (approx.100Ω)	0 : other than those above		
B5 : DC ± 1V (approx.1MΩ)	D6 : DC ± 10mA (approx.100Ω)			
B6 : DC ± 5V (approx.1MΩ)	00 : other than those above			
B7 : DC ± 10V (approx.1MΩ)				

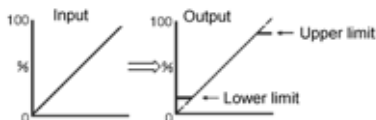
\*1. Circuit voltage 15V for an input of 10 μ A. \*2. Tolerance becomes ±0.5% when input voltage is less than 50mV; input current is less than 100μA. Open of current output: even if the current output terminal is used in a state of regular open, there is no problem. Also, a voltage of approx. 25V occurs on the output terminal.

UR-1 precise resistance unit (selling separately)

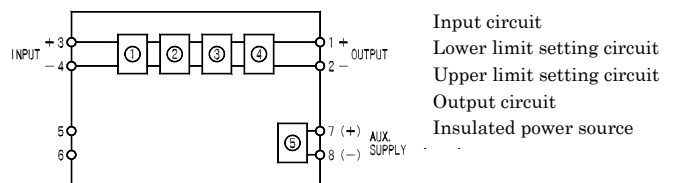
Please use a UR-1 combined with an analog limiter of voltage input. When changing the analog limiter a hot line state at the time of current input, if measures against open are necessary, connect UR-1 to socket and convert it into a voltage signal before using it. (UR-1, the resistance specified)

Limit setting method

Connect the measuring instrument to the front check terminal. (Upper limit: H-COM, Lower limit: L-COM), then convert output DC 0-10V into 0-100%, and set the upper/lower limit by volumes (ADJ) respectively. (Setting range is -5+105% respectively). Initial setting: upper limit 80%, lower limit 20%.



Block diagram



Purchase specifications

