Potentiometer Converter

WAP-MP / MZ / MS



This plug-in signal converter converts the amount of rotation movement or linear travel distance extracted as a change in the potentiometer's resistance value to the selected DC voltage or current output.

Model MZ and MS type is isolated between input and output by photocoupler.

Features

★ Wide Zero & span adjustment range and easy to adjust.

Voltage output 10V or less

other than the above

- \star Isolated between input and output by photocoupler (MZ, MS).
- \star Both AC and DC power supply are available.
- \star Easy to maintain by plug-in structure.

Ordering code

		WAP- M		- 🗖	Ę] - [-	
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Code	Descrip	otion			•			
MP	Potentiometer Conver	ter (non-isolate	ed)			ł		
	Response time 200m	<u>s (0 to 90%)</u> ter (isolated)				Code	Output	Allowable L
MZ	Response time 200ms	s (0 to 90%)				Α	4 to 20mAdc	750Ω or less
МС	Potentiometer Conver	ter (isolated)				В	1 to 5mAdc	3kΩ or less
IVIS	Response time 25ms	(0 to 90%)				С	2 to 10mAdc	1.5kΩ or less
						D	0 to 1mAdc	15k Ω or less
						Е	0 to 10mAdc	1.5kΩ or less
						F	0 to 16mAdc	937 Ω or less
Code	Input	Span Ad.		Zero Ad.		G	0 to 20mAdc	750 Ω or less
Coue	(Total Resistance)	Range		Range		Н	1 to 5Vdc	2.5kΩ or more
20	0 to 50Ω	25 to 50Ω	0 to	ο 25Ω		J	0 to 10mVdc	10kΩ or more
21	0 to 100Ω	50 to 100Ω	0 to	ο 50Ω		Κ	0 to 100mVdc	100kΩ or more
22	0 to 200Ω	100 to 200Ω	0 to	ο 100Ω		L	0 to 1Vdc	500Ω or more
23	0 to 500Ω	250 to 500Ω	0 to	250Ω		Ν	0 to 5Vdc	$2.5k\Omega$ or more
24	0 to 1kΩ	0.5 to 1kΩ	0 to	ο 500Ω		Р	0 to 10Vdc	5kΩ or more
25	0 to 2kΩ	1 to 2kΩ	0 to	o 1kΩ		R	±10Vdc	$5k\Omega$ or more
26	0 to 5kΩ	2.5 to 5kΩ	0 to	2.5kΩ			Contact us for	other than the a
27	0 to 10kΩ	5 to 10kΩ	0 to	5kΩ		S	Current outpu	ut 20mA or less

	. +	
	Code	Power Supply
Allowable Loau	1	100Vac ±10% 50/60Hz
0Ω or less	2	200Vac ±10% 50/60Hz
Ω or less	3	24Vdc ±10%
ökΩ or less	4	110Vac ±10% 50/60Hz
kΩ or less	5	220Vdc ±10% 50/60Hz
ökΩ or less		
7Ω or less		
00 or less		



Specifications

Contact us for other than the above

Accuracv

99

±0.1% FS (at 23°C)

Terminal connections

	Nol	Signal	Description
$\Pi(6)\Pi(5)\Pi(4)\Pi(3)\Pi$	110	Olgi lui	Description
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Allowable load resistance	Current output				
	15V or less of voltage drop between output				
	Voltage output				
	Load current 2mA or less				
	For 1V FS or less of output the current is 1µA or less				
Span adjustment	50 to 100% of rated input (multi-turn trimmer)				
Zero adjustment	0 to 50% of span (multi-turn trimmer)				
	Minimum span is 50% or more of the rated input signal.				
Operating temperature	-5 to +60°C				
Operating relative humidity	90% or less (non-condensing)				
Temperature coefficient	±0.015% FS of span per °C				
Insulation resistance	100MΩ or more with a 500Vdc megger				
	Between input, output, and power supply terminal				
Dielectric strength	2000Vac for 1 minute				
Power consumption	Approx. 4VA (AC), Approx. 120mA (DC)				
Dimensions	97(H) X 51(W) X 126(D)mm				
Weight	Approx. 400g				
Structure	Plug-in				
Connection	M3.5 SEMS screw part of the base socket				
Material of terminal screw	Chromated iron				
Case color and material	Ivory, heat-resistant ABS resin(94V-0)				
Mounting	DIN rail or wall surface				

	1	No.1 OUTPUT(+)	No 1 Output	
	2	No.1 OUTPUT(-)	No. i Output	
	3	INPUT(HIGH)		
	4	INPUT(SLIDE)	Input	
	5	INPUT(LOW)		
	6	NC	No connection	
	7	POWER U(+)	Dowor Supply	
д п д	8	POWER V(-)	Fower Suppry	

* Specification is subject to change without notice