# **Terminal Type Potentiometer Transducer MODEL TZ-5BA**



#### Input Specification

Code No.	Total resistan	ce Inp	ut range		
1	100Ω to 10kΩ	0 to 100%	)		
Reference voltage : 0.5V For Code No. Y Limit of specifications Span : More than 50% Note : No dip swithes can be used for the Yspecification. By changing a Dip switch setup, change of an input range is possible.					
	Dip switch	Input range	Dip switch	Input range	
	ON	0 to 70%	ON	10 to 90%	
	ON	0 to 80%		10 to 100%	
	ON	0 to 90%	ON	20 to 90%	
	UN	0 to 100% (Factory setting)		20 to 100%	
	ON 1234	10 to 80%	ON 1234	30 to 100%	

Note : Always maniqulate each dip switch with the power turned off.

### Output Specification

Code No.	Output signal	Allowable Loadresistance	
0	0 to 5V DC	More than 2kΩ	
1	1 to 5V DC		
2	0 to 10V DC	More than $4k\Omega$ Negative output:more than $10k\Omega$	
3	-10 to 10V DC		
4	-2 to 2VDC	More than $2k\Omega$ Negative output:more than $10k\Omega$	
5	-2.5 to 2.5VDC		
6	-5 to 5VDC		
7	0 to 4VDC	More than 2kΩ	
A	4 to 20mADC	Less than 550Ω	
В	0 to 20mADC		
Y	Other than the above		

For code No. Y

Limit of specifications

Voltage output : Less than +15 VDC and more than -12 VDC Minimum span : Less than +27 VDC and more than 0.06 VDC (Road resistance :  $10k\Omega$  at the output exceeding 10V, and a negative output) (Base accuracy : ±0.15 %F.S and temperature characteristic : ±0.03 %F.S/°C for a span of less than 1V) Current output : Less than +20 mADC and more than 0 mADC

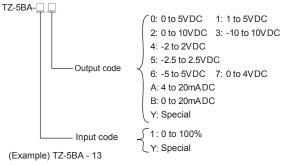
Minimum span : Less than +20 mADC and more than 1 mADC Outputs can be reversed for both voltage and current outputs.

#### General Specifications

#### Features

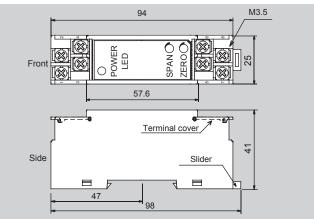
- DC power supply 24V DC
- DIN rail mounting
- Input/Output/Power supply isolated

#### Ordering Code

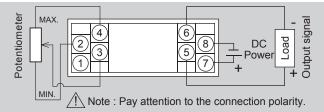


Potentiometer resistance : (total resistance  $100\Omega$  to  $10k\Omega$ )

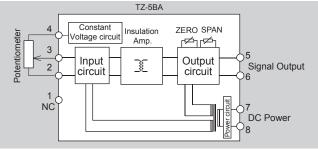
#### Dimensions



## Connection Diagram



#### Block Diagram



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