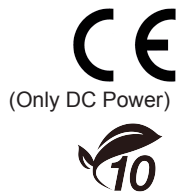


# Slim type signal isolate transmitter

## Model TH-2X, 5X



(Only DC Power)

### Input Specification

Code	Input	Input resistance	Input allowable range
0	0 to 5V DC	More than 1MΩ	-50 to +150% F.S
1	1 to 5V DC		
2	0 to 10V DC		
3	-10 to 10V DC		
4	0 to 1V DC		
5	0 to 0.1V DC		
6	0 to 0.06V DC		
7	0 to 20V DC		
8	-2 to 2V DC		
9	-5 to 5V DC		
A	4 to 20mA DC	250Ω	
B	0 to 20mA DC		
Y	Other than the above		

For code NO.Y limit of specifications

Voltage input: -250 to 250V DC      Minimum span : 0.06 to 500V  
 Current input: -50 to 50mA DC      Minimum span : 1 to 100mA

### Output Specification

Code	Output	Load resistance
0	0 to 5V DC	More than 2KΩ
1	1 to 5V DC	
2	0 to 10V DC	More than 4KΩ
3	-10 to 10V DC	Negative output : more than 10KΩ
A	4 to 20mA DC	Less than 550Ω
Y	Other than the above	

For code No.Y limit of specifications

Voltage output: -10 to 10V DC  
 Minimum span: 0.06 to 20V  
 (Base accuracy: ±0.15%F.S and temperature characteristic:  
 ±0.03%F.S/°C for a span of less than 1V)  
 Current output: 0 to 20mA DC  
 Minimum span: 1 to 20mA

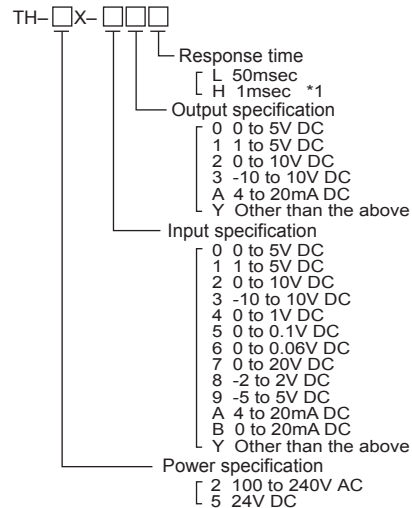
### General Specifications

Base accuracy: ±0.1% F.S (at 25±2°C)  
 Load resistance variation: ±0.06% F.S  
 Power supply variation: ±0.06% F.S  
 Temperature characteristic: ±0.02% F.S/°C  
 Response time: 50 or 1msec TYP (0 → 90%)  
 Front adjustments: More than ±5% F.S (zero, span)  
 Insulation resistance: Between the input and output/power supply  
 More than 100MΩ at 500V DC  
 Dielectric strength: Between the input and output/power supply  
 For 1 min. at 1500V AC  
 Power supply voltage: 100 to 240V AC ±10%  
 24V DC ±10%  
 Consuming current: Less than 20mA (at 100V AC)  
 Less than 50mA (at 24V DC)  
 Operating ambient temperature: -5 to 50°C  
 Operating ambient humidity: Less than 90%RH (No-condensing)  
 Storage temperature: Within -10 to +70°C  
 Storage humidity: Less than 60%RH (No-condensing)  
 Case material: Black PC 94V-2  
 Weight: Approx. 80g  
 Applicable standards : TH-5X (24V DC POWER)  
 EN61326-1  
 Only in the case of lines < 30m.  
 The above standards do not apply to the  
 converter with "Y" specifications.  
 EN IEC 63000

### Features

- AC power supply 100 to 240V AC
- DIN rail mounting
- Input/Output/Power supply isolated

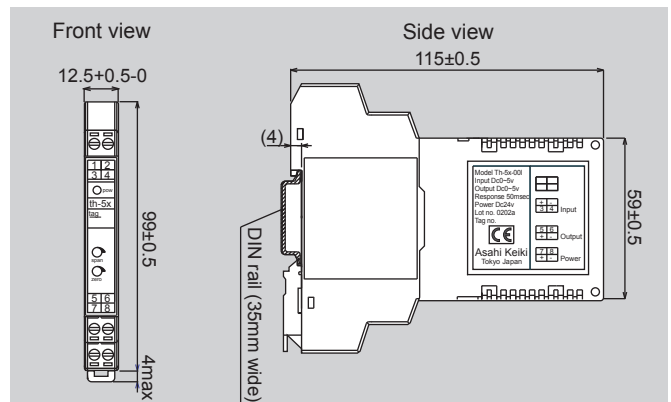
### Ordering Code



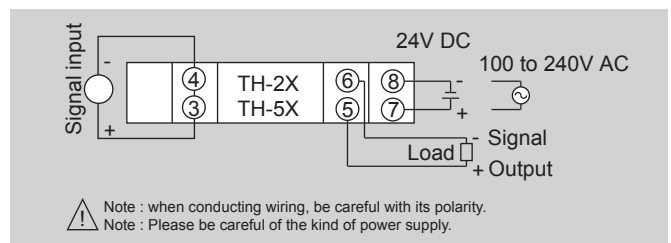
\*1 At AC power, the current output of 1msec responses cannot be chosen.

Example : TH- 5 X- A 0 L

### Dimensions



### Connection Diagram



### Block Diagram

