

Slim type signal isolate transmitter

Model TH-2X, 5X

NEW!



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 Negative output : more than 10KΩ
3	-10 to 10V DC	
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

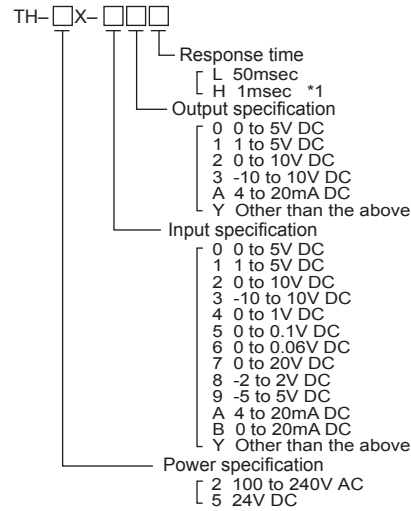
General Specifications

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 : 1997 +A1 : 1998 +A2 : 2001
 Only in the case of lines < 30m.
 The above standards do not apply to the converter with "Y" specifications.

Features

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

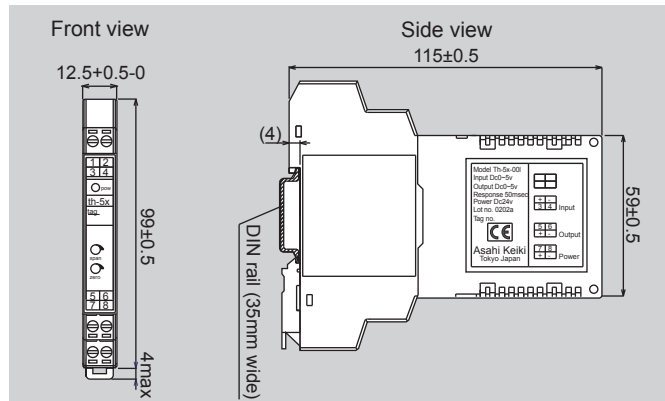
Ordering Code



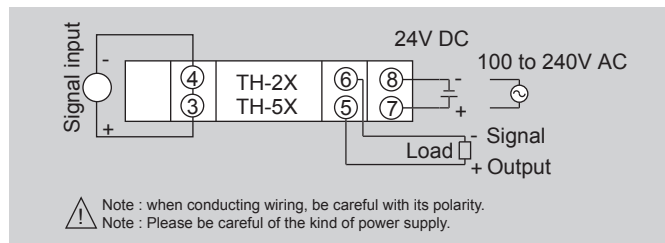
*1 At AC power, the current output of 1msec responses cannot be chosen.

Example : TH- 5 X- A 0 L

Dimensions



Connection Diagram



Block Diagram

