■ Input Specification

Code	Input	Input resistance	Input allowable range
5	0 to 5mV DC	More than 1MΩ	-50 to +150% F.S
6	0 to 10mV DC		
7	0 to 50mV DC		
8	0 to 60mV DC		
9	0 to 100mV DC		
B	0 to 10µA DC	1kΩ	
C	0 to 100µA DC		
D	0 to 200µA DC	500Ω	
Y	Other than the above		

For code No.Y limit of specifications
   Voltage input: -100 to 100mV DC
   Minimum span : 5 to 200mV
   Current input: -5 to 5mA DC
   Minimum span : 10µA to 10mA

■ 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 3msec TYP (0 → 90%)
Front adjustments: ±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)
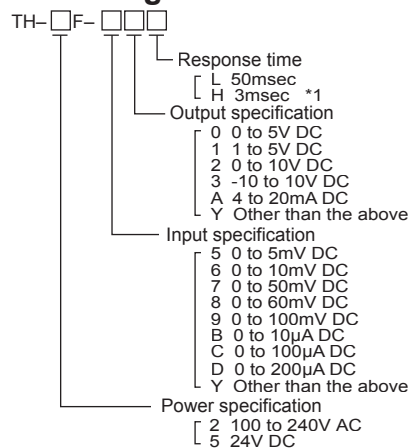Case material :   Black PC 94V-2
Weight :   Approx. 80g

■ Features

• AC power supply 100 to 240V AC
• DIN rail mounting
• Input/Output/Power supply isolated
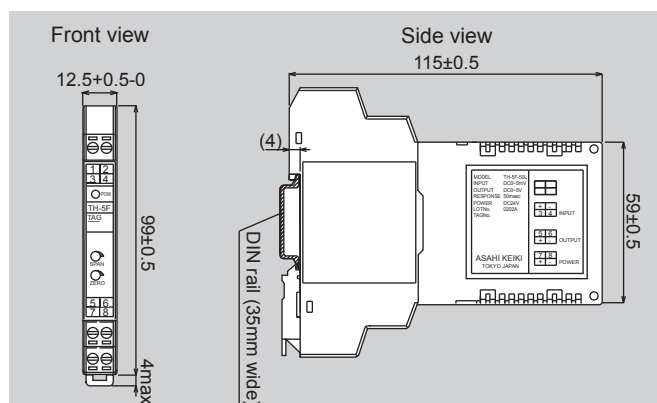• Can change input and output by dip switch
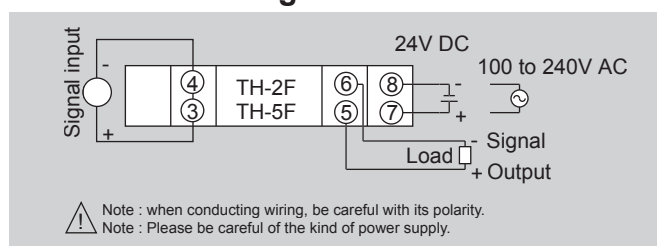
■ Ordering Code

TH– ☐ F– ☐☐☐

Response time
   L 50msec
   H 3msec *1
Output specification
   0 0 to 5V DC
   1 1 to 5V DC
   2 0 to 10V DC
   3 -10 to 10V DC
   A 4 to 20mA DC
   Y Other than the above
Input specification
   5 0 to 5mV DC
   6 0 to 10mV DC
   7 0 to 50mV DC
   8 0 to 60mV DC
   9 0 to 100mV DC
   B 0 to 10µA DC
   C 0 to 100µA DC
   D 0 to 200µA DC
   Y Other than the above
Power specification
   2 100 to 240V AC
   5 24V DC

*1 At AC power, the current output of 3msec responses cannot be chosen.

Example : TH– 5 F– ⑤⓪Ⓛ

■ Dimensions

Front view

Side view

■ Connection Diagram

Note : when conducting wiring, be careful with its polarity.
Note : Please be careful of the kind of power supply.

■ Block Diagram