

# Programmable Transmitter

## TH-1M

**NEW!**



### Input Specification

Input signal	Input resistance
0 to 5V DC	More than 1 M $\Omega$
1 to 5V DC	
0 to 10V DC	
0 to 60mV DC	250 $\Omega$
4 to 20mA DC	
0 to 20mA DC	

### Output Specification

Output signal	Allowable load resistance
0 to 5 V DC	More than 2 k $\Omega$
1 to 5 V DC	More than 2 k $\Omega$
0 to 10 V DC	More than 4 k $\Omega$
4 to 20 mA DC	Less than 550 $\Omega$
0 to 20 mA DC	Less than 550 $\Omega$

### General Specification

Setting range at factory: Input 1 to 5 V DC, Output 4 to 20mA DC  
 Accuracy:  $\pm 0.25\%$  F.S (25°C  $\pm 2^\circ$ C)  
 After changed input range error:  $\pm 1\%$  F.S  
 After changed output range error:  $\pm 1\%$  F.S  
 Temperature characteristic:  $\pm 0.02\%$  F.S/ $^\circ$ C  
 Response time: less than 15ms (0 to 90%)(TYP)  
 Insulation resistance: Between input and output/power supply more than 100M ohm at 500V DC  
 Dielectric strength: Between input and output/power supply 1500V AC per 1min.  
 Power supply: 24 V DC  $\pm 10\%$   
 Power consumption: Less than 80mA  
 Operating temperature:  $-5$  to  $50^\circ$ C Less than 90%RH (No condensing)  
 Weight: Approx. 80g  
 Approval: EN61000-6-2, EN55011  
 Accessory: Switch sheet

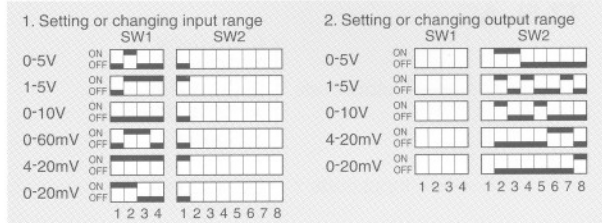
### Ordering code

**TH-1M**

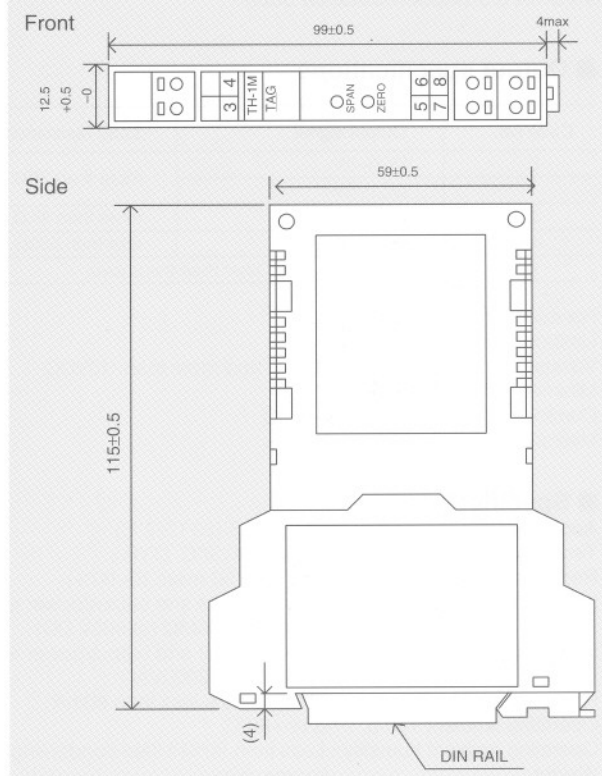
### Features

- Can change input and output by front dip switch
- Power supply 24V DC
- DIN Rail mount

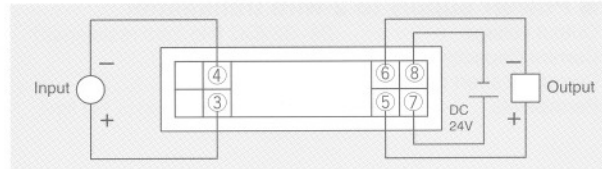
### Setting or changing input/output range



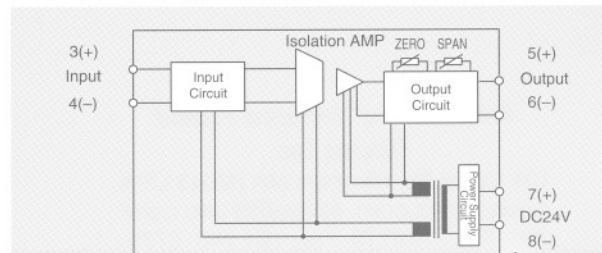
### Dimensions



### Connection Diagram



### Block Diagram



Sales, Service, Technical support  
**Topac Inc.**  
 101 Derby St., Hingham MA 02043 USA  
 www.topac.com, sales@topac.com  
 Tel: 781 740 8778 Fax: 781 740 8779