

## ***Slim Type Potentiometer Transmitter***

***MTSC-PMC***

The Model MTSC-PMC accepts 2- or 3-wire potentiometer value of  $470\Omega$  up to  $100k\Omega$  and provides isolated DC outputs.

- Linearization available and free input range

### ♣ Performance

- Accuracy :  $\pm 0.2\%$  of Full Scale
- Temp. Coefficient :  $\pm 0.015\%$  /  $^{\circ}\text{C}$
- Response Time : 0.5Sec or less(0~90%), Normal
- Insulation Resistance :  $100M\Omega$  or more  
with 500V DC(Input to Output to Power)
- Dielectric Strength : 1500V AC 0.5mA/Min.  
(Input to Output to Power)



### ♣ General Specifications

- Housing Material : Plastic ABS(Resin), Grey
- Isolation : Input to Output to Power
- Easy Calibration of the Zero and Span (Max.  $\pm 20\%$  of Full Scale)
- 3-Way Isolation for using on input and output of the PLC

### ♣ Installation

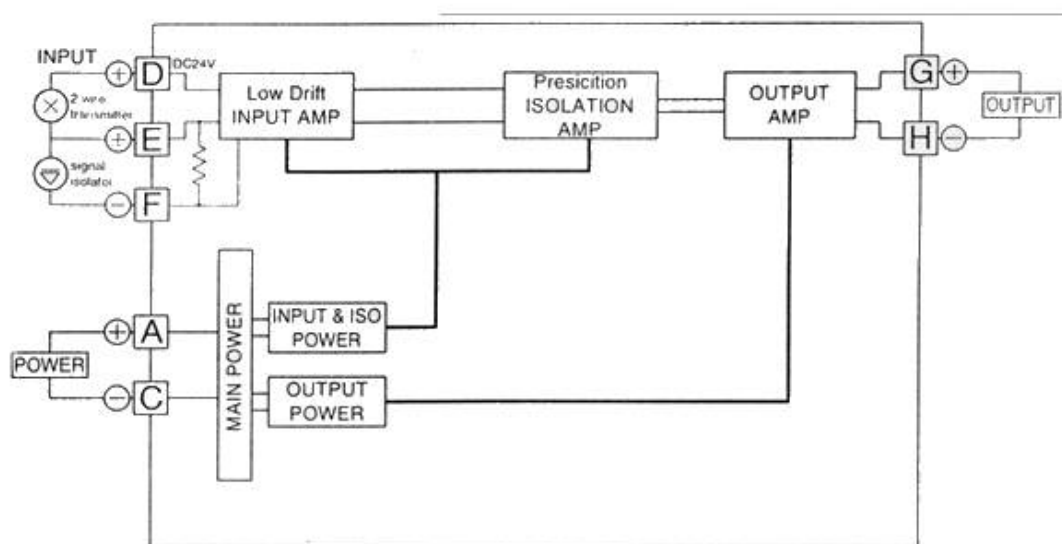
- Power Supply : DC 24V / 150mA
- Operating Temperature :  $0 \sim 50^{\circ}\text{C}$  (Storage :  $-20 \sim 80^{\circ}\text{C}$ )
- Operating Humidity : 90% RH Max. (Non-Condensing)
- Mounting : Rail Mounting (Terminal wiring)
- Dimension : 22.5(W) X 102(H) X 75(D) (Unit : mm)
- Weight : about 120g

### ♣ Ordering Information

Specify Code number and Variables

- Code No. : MTSC-PMC-Model/Input/Output-Power (Ex : MTSC-PMC-223-Y)
- Specify Output Range (Ex :  $0 \sim 20\text{mA}$ )

### ♣ Schematic Diagram



## ❧ Model & Suffix Code

MTSC-PMC-□□□-□

### Model Type Selection

- 1 : 2-Wire Potentiometer Input
- 2 : 3-Wire Potentiometer Input

### Input Type & Range Selection

- 1 : 2-wire 100~100K $\Omega$
- 2 : 3-wire 100~100K $\Omega$
- 3 : Other Special Type

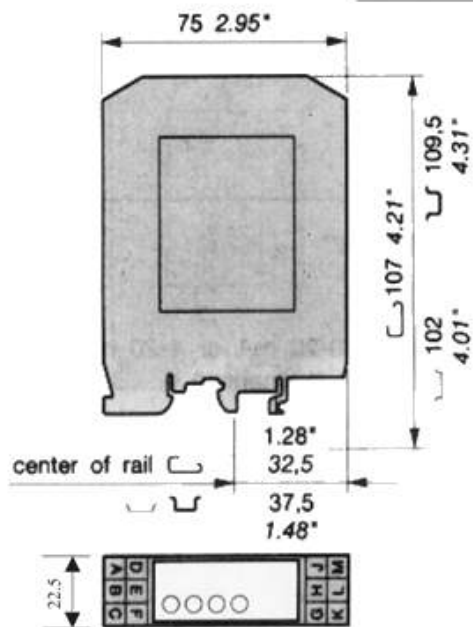
### Output Type & Range Selection

- 1 : DC 0~5V (Resistance 2K $\Omega$  or More)
- 2 : DC 1~5V (Resistance 2K $\Omega$  or More)
- 3 : DC 0~20mA (Resistance 0~750 $\Omega$ )
- 4 : DC 4~20mA (Resistance 0~750 $\Omega$ )
- 5 : Other Special Spec.

### Power Supply

- Y : DC 24V/150mADC
- Z : AC 90~250V(50/60Hz) Option

## ❧ Dimension



**INSTALLATION**  
Horizontal  
mounting advised

