

TXS-PR DC SIGNAL CONVERTER & ISOLATOR

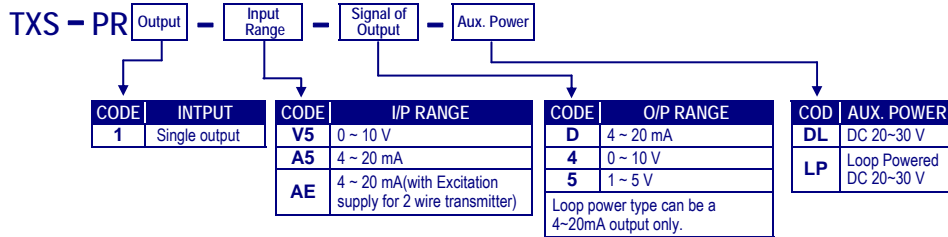
FEATURES

- Input signals for 4~20mA 0~10V, 1~5V or 4~20mA(with excitation supply available)
- Output 4~20mA loop powered, self powered or auxiliary powered
- DIN rail mounting with Ultra slim in 7.6 mm profile
- CE Approved & RoHS



Ultra Slim 7.6mm

ORDERING INFORMATION



TECHNICAL DATA

| Signal input | |
|--------------|-----------------|
| Input Range | Input Impedance |
| 4 ~ 20 mA | 250Ω |
| 0 ~ 10 V | 1MΩ |

| Analogue output | | | |
|-----------------|--------------|------------------|-------------------|
| Power Type | Output Range | Accuracy | Load Resistance |
| Auxiliary Power | 4 ~ 20mA | ≤ ±0.1% of F.S. | ≤ 550Ω; ≥ 10KΩ |
| Loop Power | 4 ~ 20mA | ≤ ±0.25% of F.S. | ≤ (Vs-12)/0.022 Ω |

Response time: ≤ 100msec (10%~90% of FS)
Output ripple: ≤ ±0.1% of F.S.

Power
Power supply: DC 20~30V or Loop powered DC 20~30V specify.
Excitation Supply: Auxiliary power type: DC 19~24V
 Loop power type: $V_{E.S.} \geq V_s - R_L \times I_{in} - 6$
 Auxiliary power type ≤ 60mA at 24V, 20mA

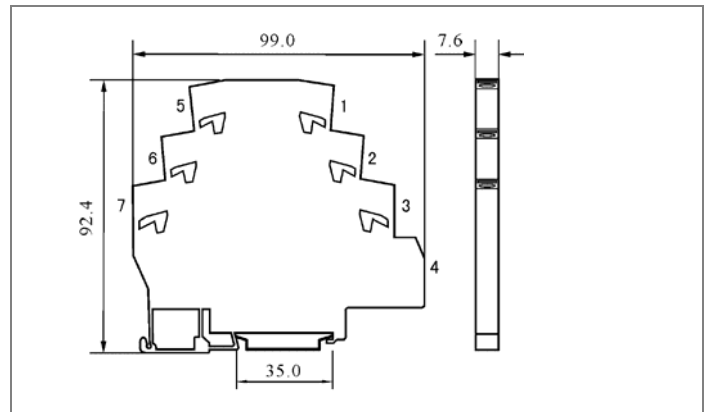
Power consumption:

Environmental
Operating temp.: -10~60 °C
Operating humidity: 20~95% RH, Non-condensing
Temperature drift: 0.1% F.S./10°C
Storage temperature: -10~70 °C
Protection: IP 42

Mechanical
Dimensions: 7.6mm(W) x 99mm(H) x 92.4mm(D)
Housing: Self-extinguishing, black ABS, UL94V0
Terminals: Sprint terminal, up to 1.0 mm² wire
Mounting: 35mm DIN rail (EN50022)
Weight: 150g

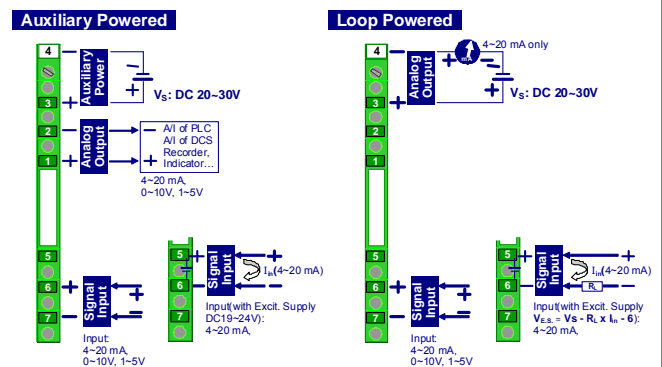
Specification
EMC: EN 61326-1
Electric Isolation: Auxiliary Powered:
 AC 1.5KV for 1min; Between Power/Input/Output
 Loop Powered:
 AC 1.5KV for 1min; Between Input / Output
 Self Powered:
 AC 1.5KV for 1min; Between Input / Output
Insulation resistance: ≥ 100MΩ at 500Vdc

DIMENSIONS



CONNECTION DIAGRAM

Please check the power supply, and then connect to the specified terminals. It is recommended that the power supply is protected by a fuse or circuit breaker.



Terminals and Wiring

