

Analogue Signal Input Transmitter

ECXI-33/333/3D33



Analogue Signal Input Transmitter can provide the insulating power for transmitter in the hazardous area and output the single channel current signal to safety area by insolate transmitter. Fast step response time.

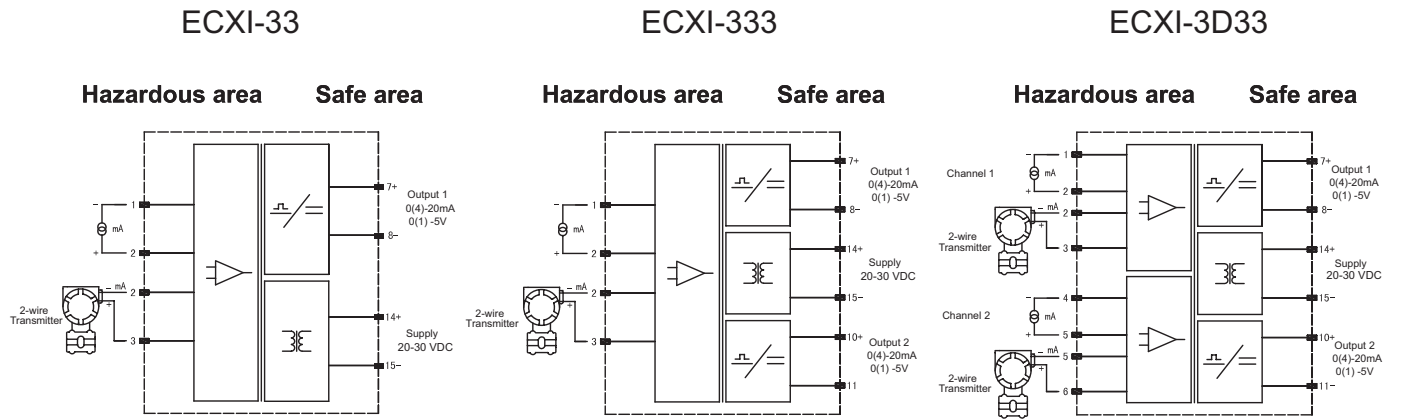
- Single/Double channel input loop 4...20mA
- Single/Double channel output loop 4...20mA
- Supply power for two-wire system transmitter
- Connect two-wire/four-wire system active signal
- Input, output and power supply isolated from each other
- Short-circuit protection function of a transmitter loop
- Provide transmitter with constant voltage source
- Intrinsic safety input loop EEx ia
- Connect site area and meet: ATEX: II (1) GD
- EMC according to NE21

Main Technical Parameter:

| | ECXI-33 | ECXI-333 | ECXI-3D33 |
|--|--|---|---|
| Explosion protection mark: | [EEx ia] IIC IIB | [EEx ia] IIC IIB | [EEx ia] IIC IIB |
| Current channel: | Single input-single outputs | Single input-double output | Double input-double output |
| Transmission precision: | ±0.1 %F·S (25°C) | ±0.1 %F·S (25°C) | ±0.1 %F·S (25°C) |
| Temperature draft: | <50ppm/°C | <50ppm/°C | <50ppm/°C |
| Input/Output step response time (10-90%): | ≤0.5ms | ≤0.5ms | ≤0.5ms |
| Frequency response: | 300Hz | 300Hz | 300Hz |
| Allowable input signal for hazardous area: | | | |
| Direct current: | 4-20mA | 4-20mA | 4-20mA |
| Input impedance: | ≤200Ω | ≤200Ω | ≤200Ω |
| Supply voltage: | No above 26V at no load, no bellow 16V at full load | No above 26V at no load, no bellow 16V at full load | No above 26V at no load, no bellow 16V at full load |
| Output signal to safe area: | | | |
| Direct current: | 4~20mA | 4~20mA | 4~20mA |
| Analogue output load capacity: | 4-20mA: 0-300Ω | 4-20mA: 0-300Ω | 4-20mA: 0-300Ω |
| Power consumption (at 24VDC power supply): | 0.8W | 0.8W | 1.3W |
| Panel indicator: | Indicator lights after on | | |
| Distribution protection: | It will enter protection state, when input current > 30mA. The meter normally operates after trouble shooting. | | |

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Wiring diagram:



Mechanical drawing :

