

Analogue Input - thermocouple & mV sources

SAG4001



Introduction

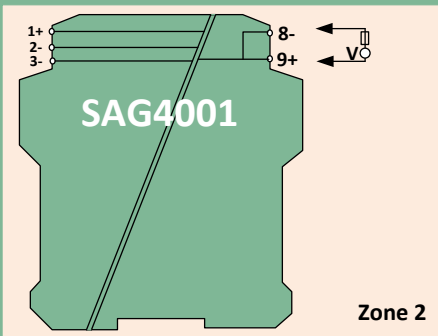
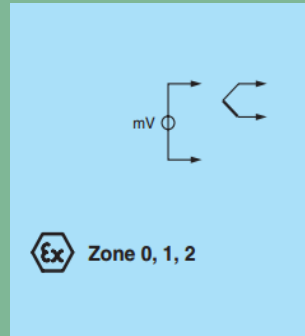
The barrier recommended for thermocouples and other mV sources is the SAG4000 series. This barrier is a non-polarized barrier that will allow the transfer of a mV signal to be passed from a hazardous area into a control system. When using T/C's, compensating T/C cable must be used to prevent offsets and CJ issues

Barrier's Function

This isolated barrier is used for intrinsic safety applications. It is a loop-powered isolator that converts thermocouple inputs in the hazardous area to a 4 mA ... 20 mA signal in the safe area. The output current is linear to input voltage, not proportional to temperature.

Technical Specifications

ATEX Approval	II (1)GD [Ex ia] IIC II 3G Ex nA II T4
Environment	Operating Temperature: -20 to +60 °C IP Rate: IP20
Power Supply	12 ... 35 V DC loop powered
Input	thermocouple E, J, K, N, R, S or T
Output	4 ... 20 mA , limited to ≤ 35 mA
Dimensions	100*115*25 mm
Weight	approx. 100 gr
Etc.	1 channel



About Communication SAG Company:

Our mission is developing and producing the general and specific communication parts base on standard communication protocols in Gas, Oil, Petrochemical, Power and Water files.

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