

Features

Inputs

Types of INPUTS	Measure range adjustable from:	Intrinsic error	Console resolution	Input impedance
mA	-2 to +22mA	< ±0.05% of the MR	10 µA	5 Ω
mV▲	-10 to +110mV		10 µV	≥ 1MΩ
V	-1 to +11V		1 mV	
	-30 to +330V		10mV	
Thermocouples ▲ Norme IEC 581	°C °F	<±0.1% of the MR ♦(2)	0.1°C / 0.1°F	≥ 1 MΩ
J	-160/1200 -256/2192			
K	-270/1370 -454/2498			
B	200/1820 392/3308			
R	-50/1770 -58/3218			
S	-50/1770 -58/3218			
T	-270/410 -454/770			
E	-120/1000 -184/1832			
N	0/1300 -32/2372			
L	-150/910 -238/1670			
W	1000/2300 1832/4172			
W3	0/2480 32/4496			
WRE5	0/2300 32/4172			
Sensor Pt100Ω (1)▲ 3 wire, Stand. IEC 751 (DIN 43760)	°C °F -200/850 -328/1562	<±0.1% of the MR	0.1°C / 0.1°F	Current 250µA
Sensor Ni 100 3 wr. (1)▲	-60/260 -76/500			
Resistive sensors	Calibers 0-440 Ω and 0-2.2 kΩ ▲ (0-8.8 kΩ optional)	<±0.1% of the MR (0.5% for 0-2KΩ)		-
Potentiometer	from 100Ω to 10 kΩ ▲			
Supply for 2-wire sensor	24 Vdc ±15% with protection from short circuits. 25 mA max.			
Special linearisation programming up to 20 points	On input : mV, V, mA. Resistive sensors and potentiometer			

(1) Line resistance <25Ω

(2) Or 30 µV typical (60µV Max.)

♦ CJC efficiency: ±0.03°C/°C ±0.5°C from -5°C to +55°C

MR measure range

▲ A 12 µA pulsed current allows the detection of line or sensor rupture.

▲ Cut off : the console display and the µC output remain at down scale for an input signal < than the cut off value, programmable from 0% to 100% of the input scale.

Thermic drift <150ppm /°C

Outputs

Code	Types of OUTPUTS	Features
A	1 analog Current active/ passive voltage	Current : Direct or reversed 0-20mA Load impedance ≤ Lr 600Ω Voltage : Direct or reversed 0-10V Load impedance ≥ Lr 5000Ω
R	2 inverting relays	2 setpoints per relay, configurable on the whole MR. Hysteresis programmable from 0 to 100%. Time delay programmable from 0 to 25 sec. (8A/250VAC on resistive load).

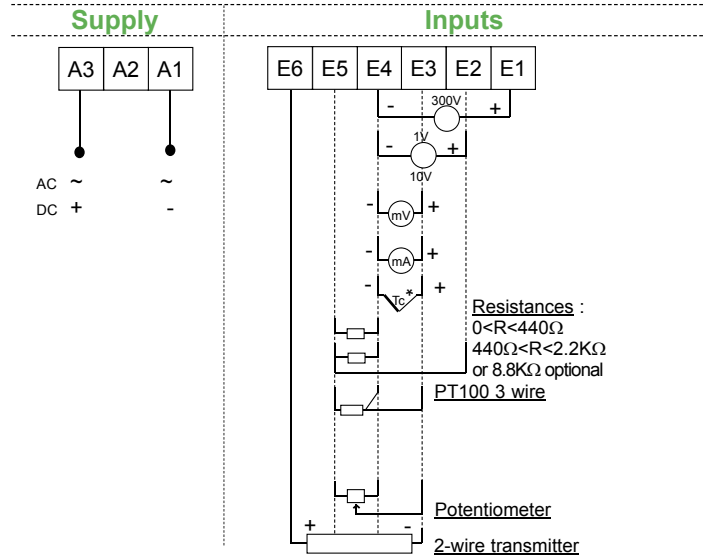
Typical response time: 300 ms (for a variation from 0 to 90 % of the input signal).

Galvanic partition:

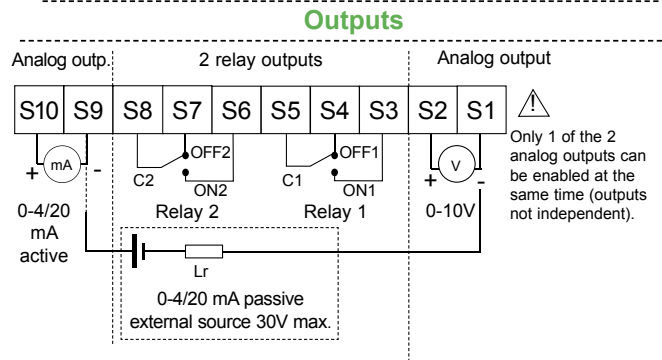
2kV-50Hz-1min. between supply, input, analog output, relay outputs

Wiring

Upper connectors



Lower connector



SFERE - CA CO/81C 03/06 - Any data in this documentation may be modified without prior notice.

SFERE . Société Française d'Etudes et de Réalisations Electroniques

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