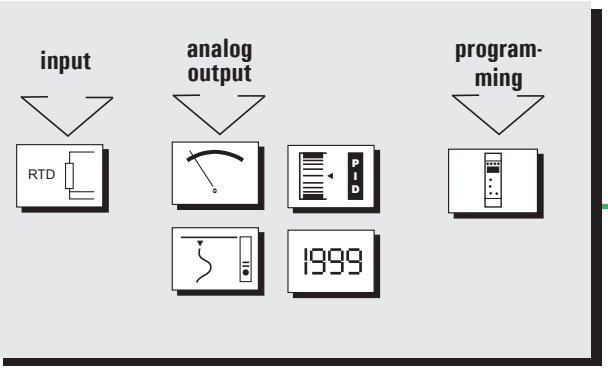
PROGRAMMABLE CONVERTER

µC Pt100



- **Pt100 3 wire input**
- Insulated analog output, programmable in 0-4-20 mA active or passive current, or 0-10 V voltage.
- Sensor rupture detection.
- Typical response time: 150ms on the analog output.
- Insulation between IN / OUT / Supply
- Self-zero, self-calibration and self-diagnosis.
- Mode driver: the analog output is piloted by the micro-console.
- Function simulation of the input measure
- Programming on front face with the **micro-console**.

CONVERTER

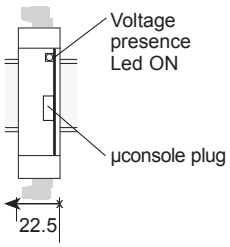
A range of measure interfaces fully programmable on front face with the micro-console
(universal mini-console clippable on the front face).

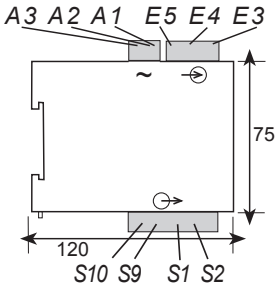
Programming with the micro-console

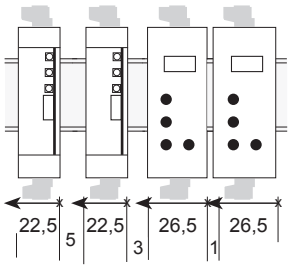
This µconsole which can be clipped on the front face allows visualising the measure on a 4 digit electroluminescent alphanumerical display, or occasional modifications of the programming via a 4-key keyboard.
It also allows teleloading programming files to other products of the SFERE range.

DIMENSIONS

Housing: (H x L x D) 75 x 22.5 x 120 mm
with µconsole : 80 x 26.5 x 130 mm
Self-extinguishing case of black UL 94VO ABS.
Mounting in switchbox: latching on symmetrical DIN rail. Rack version: consult







To allow the inserting of the µconsole: mount the instruments vertically (on horizontal DIN rail), leaving a 5 mm space between each.

CODING

Type	**µC Pt100**

Input:
Pt100 : µC Pt100

Power supply:

20 to 270 Vac and 20 to 300 Vdc

Power draw : 3 W max. 5 VA max.
Dielectric withstanding : 2 kV-50Hz-1min.

Environment
Operating temperature: -10°C to +50°C.
Storage temperature: -20°C to +70°C.
CE marking

sfere
The friendly interface

CA C0/91

FEATURES

Input

Type of **INPUT**	Measure range adjustable from:		Intrinsic error	µconsole resolution	Input impedance
Sensor Pt100Ω ♠* 3 wire, Standard IEC 751 (DIN 43760)	°C -200/850	°F -328/1562	< ±0.1% of the MR	0.1°C / 0.1°F	Current 250µA

* Line resistance < 25Ω

MR measure range

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

Thermic drift < 150ppm /°C

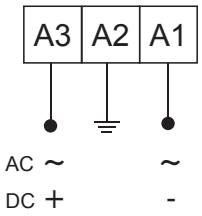
Output

Type of **OUTPUT**		Features
1 Analog	Active/passive current	Current: direct or reversed 0-20mA Load impedance ≤ Lr 600Ω
	Voltage	Voltage: direct or reversed 0-10V Load impedance ≥ Lr 2000Ω

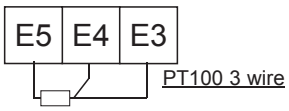
WIRING

Upper connectors

SUPPLY

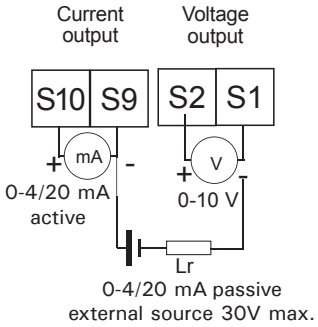


INPUT



Lower connector

ANALOG OUTPUT



⚠ * **Only 1 of the 2 analog outputs can be activated at the same time (outputs not independent).**

This appliance is dedicated to industrial applications. It has to be installed in an electrical switchbox, or equivalent.

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