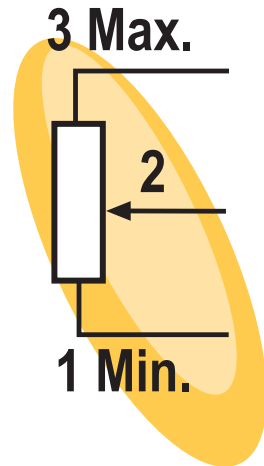


## POSITION

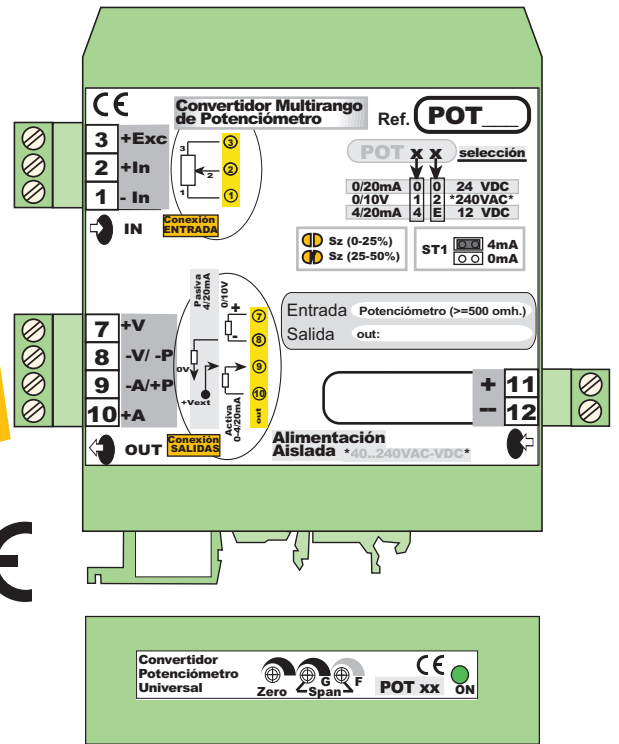
# Potentiometer CONVERTER

**CONFIGURABLE**  
Multirange **OUTPUT**  
0/10V, 0-4/20mA, ...

**WITH PLUG-IN CONNECTORS**



**ISOLATED Supply**  
24VDC or 90..240VAC



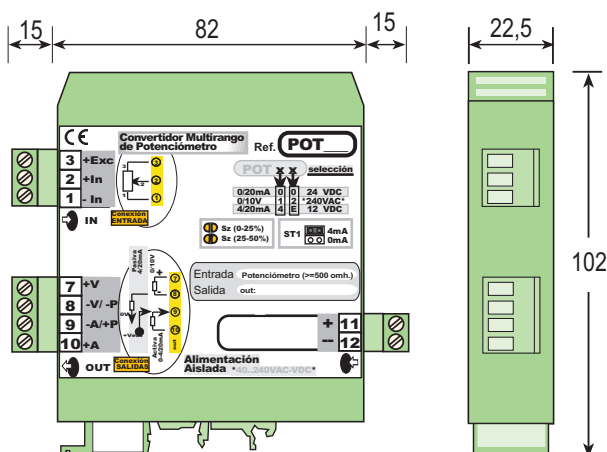
## DESCRIPTION

Position signal converter picked up by a potentiometer, with a configurable signal of 0-4 / 20mA, or 0 / 10V. The output is linearized with the input. They have SPAN and ZERO adjustment. They can absorb a range of Tara.

## TECHNICAL CHARACT.

- Supply voltage	90..240 VAC (+/-10%) or 24 VDC (+/-10%)
- Working Temp.	- 10° ... +60°C
- Storage Temp.	- 40 / +80 °C
- Temp. coefficient	50 ppm / °C
- Max. global error	< 0,1%
- Max linearity compensation error	< 0,08%
- Impedance in the compensation wire	0,1% per °C
- Warm up time	5 min.

## DIMENSIONS (mm)



## REGULATIONS COMPLIANCE

Electromagnetic Compatibility	2004 / 108 / CE
Low voltage for amb. industrial	2006/95/CEE
Electromagnetic emissions	UNE-EN 50081-2
Electromagnetic immunity	UNE-EN 50082-2
Waste electronics(WEEE)	2002 / 96 / CE

## MECHANICAL

Protection:	IP 20
Connection wire:	<2,5 mm, 12 AWG
Box:	Polyamide UL94. V2
Weight: max.	75/120 gr.
Rail:	EN 50035, EN 50022

## MODELS

OUTPUT	24VDC	90 ..240VAC
4 / 20 mA	POT40	POT42
0 / 10V	POT10	POT12
0 / 20 mA	POT00	POT02

## CURRENT OUTPUT

- Load impedance	max. 600 Ohm
- Max current	25 mA
- Thermal drift	0,5 $\mu$ A / °C
- Protection against polarity inversion	

## VOLTAGE

- Max current	10 mA
- Load impedance	mín 1K
- Max output voltage	14 V
- Deriva térmica	0,2mV / °C
- Protección contra cortocircuitos en la salida	

## CONNECTIONS POT xx ( Multirange Output 0/10V y 0-4/20mA).

### Potentiometer Input

- Min value 500 ohm
- V max excitat. 1,2 V

### OUTPUT

0/10V  
0/5V  
0/VDC

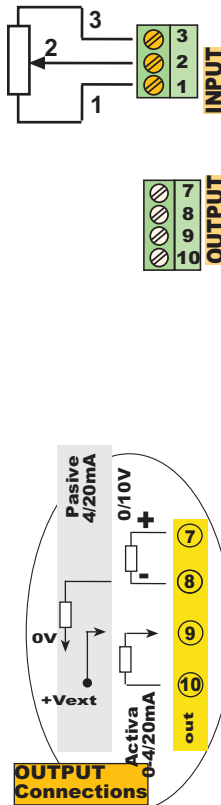
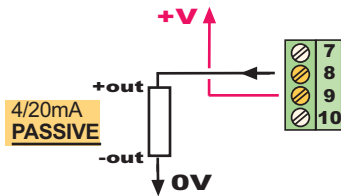
- Load limit 10mA -1Kohm.

### Selec. IDC

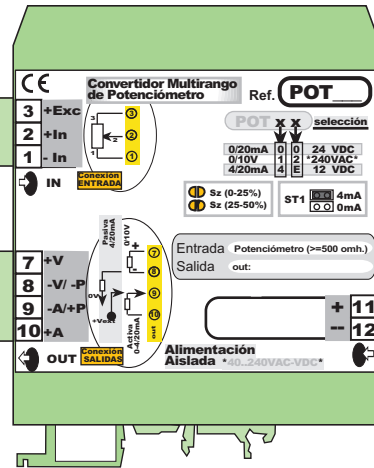
ST1  4mA  
 0mA

0-4/20mA  
0 / xx mA  
**ACTIVE**

- Load limit @24V 600 ohm.



### OUTPUT Connections



### Selection

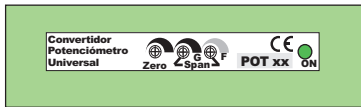
POT xx		
0/20mA	0	24 VDC
0/10V	1	*240VAC*
4/20mA	4	12 VDC

selección	
0/20mA	0
0/10V	1
4/20mA	4

Sz (0-25%)  
Sz (25-50%)

ST1  4mA  
 0mA

Entrada Potenciometro (>=500 ohm.)  
Salida out:



Span G: Coarse Adjust  
Span F: Fine adjust

### Tara

Sz (0-25%)  
 Sz (25-50%)