

3 way Thermo. Isolator



OUTPUT mV (Thermocoupler)

24VDC

PLUG-IN CONNECTORS



- Universal duplicator-Isolator, without configuration, for any kind of thermocoupler (J - K - S - T - E - B ...): range 0 / 60 mV. Protected output through a voltage limiter.
- APLICACION -1: Protect and isolate from voltage surge the thermocouple inputs
- APLICACION -2: Connection of 2 systems with a thermocouple input, to a single thermocoupler.

INPUT

- Impedance in the input V 100 Kohm.
- Max. signal V 30 V

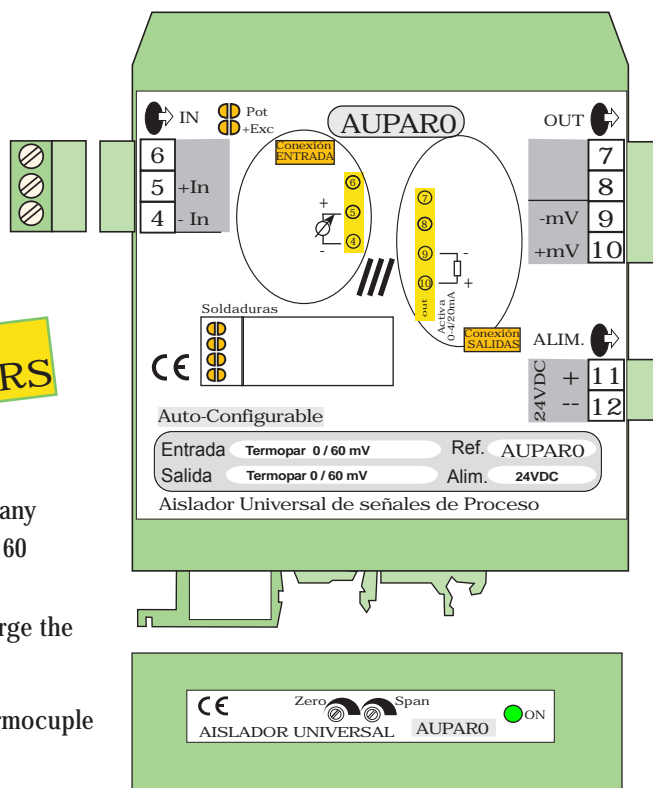
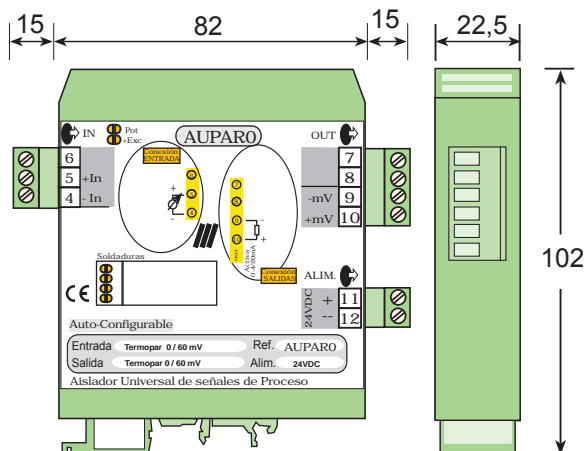
OUTPUT

- Load impedance V min. 1 Kohm.
- Output limitation V 75 mV

TECHNICAL CHARACT.

- 3 way galvanic isolation **3.000 V**
- Supply voltage **24 VDC (21... 30V)**
- Max. Consumption **50 mA**
- Max. Global error **< 0,1%**
- SPAN and ZERO adjustable **(+/- 5% multivuelta)**
- Typical response time **50ms**
- Min. response time **2ms**

DIMENSIONS (mm)



PRECISION



- Linearity error 0,08 %
- Thermal drift 0,5 μ A / $^{\circ}$ C
- Thermal drift 0,2mV / $^{\circ}$ C

AMBIENTALS

- Working temp. -10 / +60 $^{\circ}$ C
- Storage temp. -40 / +80 $^{\circ}$ C
- T^a coefficient 50 ppm / $^{\circ}$ C
- Warm up time 5 min.

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 CHARACTERISTICS

- Protection: **IP 20**
- Connection wire: **<2,5 mm, 12 AWG**
- Box: **Polyamide UL94. V2**
- Weight: max. **90 gr.**
- Rail: **EN 50035, EN 50022**

REFERENCE

AUPARO

