

IC 901/A

single stage temperature controller
with alarm output



Description

IC 901 controllers have one point of intervention only and can be used both for heating and cooling applications. These controllers also have an input for the PTC thermostatic probe (the NTC input can be selected with a parameter) and a relay output for management of the load. The values measured by the probes are displayed with two digits and sign. All models have TTL connections that enable the controllers to be used with Copy Card, the quick programming accessory. The IC 901A model also has an output for the alarm relay and acoustic signal buzzer.

Probe	Measurement range (°C)	Display
NTC	-50...110,0	-50...99
PTC	-55...150,0	-50...99

Relay output	Amp. capacity*	Hp power
Regulation	8	1/2
Regulation	15	1
Regulation	20	2
Alarm	8	1/2

*Maximum rating varies according to the type of terminal block used and the applicability of standards.

Technical Data

Front panel protection: IP65.

Casing: plastic, PC+ABS UL94V-0 resin, polycarbonate glass, thermoplastic resin keys.

Front panel dimensions: 32x74 mm, depth 60 mm.

Mounting: panel-mounting, with 29x71 mm (+0.2/-0.1mm) drilling template.

Connections: screw terminals for <2,5mm²

(one lead per bracket, in compliance with VDE regulations).

Operating temperature: -5...55°C;

Storage temperature: -30...85°C.

Operating environment humidity: 10...90% RH (non condensing).

Storage environment humidity: 10...90% RH (non condensing).

Digital output: refer to attached table.

Analogue input: refer to attached table.

Serial: TTL port for Copy Card.

Display: 2 digits plus a sign.

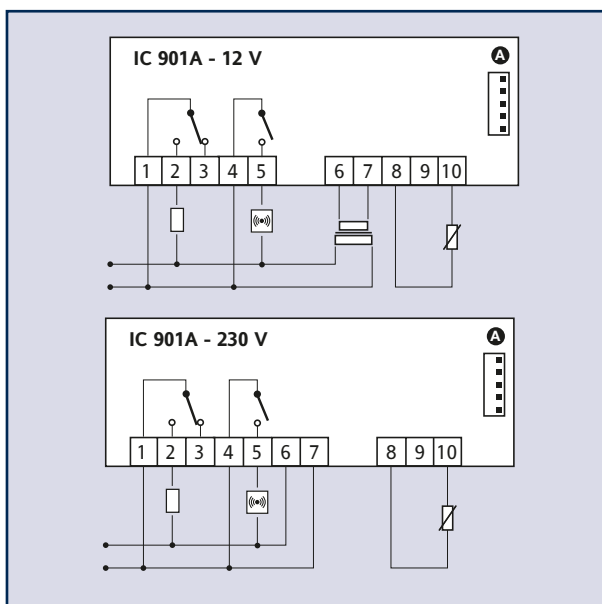
Resolution: 1°C (°F).

Accuracy: better of 0.5% than the end of scale + 1 digit.

Consumption: 3 VA (115/230 V model), 1.5 VA (12 V model).

Power supply: 230, 115 V~, or 12 V~/= ±10%, 50/60 Hz.

Wiring Diagram



Description of Wiring Diagram

- 1-2 Relay N.O.
- 1-3 Relay N.C.
- 4-5 Alarm relay
- 6-7 Power supply
- 8-10 Probe input
- A TTL input for Copy Card

Warning: check the power supply specified on the instrument label: contact the Sales Office for further information on relay capacity and power supply.

