IC 901 single stage temperature controller



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.

Probe	Measurement range (*C)	Display
NTC	-50110,0	-5099
РТС	-55150,0	-5099
Relay output	Amp. capacity*	Hp power
Relay output Regulation	Amp. capacity* 8 (3)	Hp power 1/2
Relay output Regulation Regulation	Amp. capacity* 8 (3) 15	Hp power 1/2 1

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

tel out %
fnc
fnc
set
elluzel.exe

Technical Data

Front panel protection: IP65 Casing: plastic in 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 sign Resolution: 1°C (°F) Accuracy: above 0.5% of bottom 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.C.
1–3	Relay N.O.
6–7	Power supply
8–9	Probe input
А	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.



