GENERAL FEATURES

Temperature visualization and regulation with NTC sensors in industrial heating and cooling applications.

TYPE	RANGE °C	MAIN SUPPLY	OUTPUT	DIFFERENTIAL K	RESOLUTION °C	INPUT
DTR11N7	-40...+105	230 Vac	10 A/250 Vac	0,1...99	0.1 - 1 °C	NTC 10K

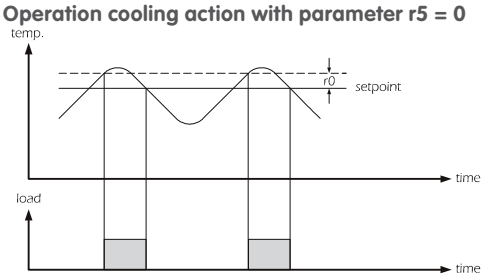
TECHNICAL FEATURES

Power supply: 230 Vac, 50/60 Hz, 3 VA (approximate)
Digital outputs: 1 SPDT relay 10 A 250 Vac resistive load
Measuring range: -40...+105 °C NTC sensors
Resolution: 0,1 °C/1 °C/1 °F
Working temperature: 0...+55 °C (10...90% r.h. non condensing)
Measure inputs: 1 NTC sensor
Housing: grey fire-proof
Dimensions: 75 x 33 x 65 mm
Mounting hole: 71 x 29 mm
Frontal protection: IP65
Connections: screw terminal blocks

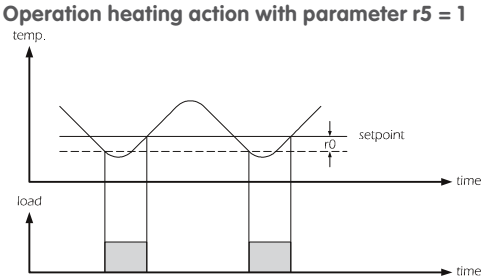
REGULATION OPERATING

Preliminary information
The operation mainly depends on parameter r5.

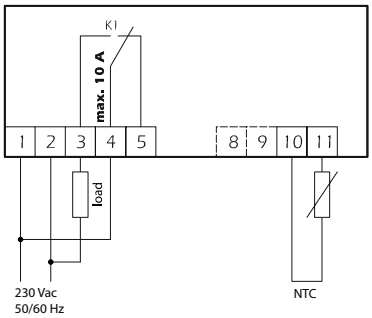
Operation cooling action with parameter r5 = 0



Operation heating action with parameter r5 = 1



ELECTRICAL CONNECTION

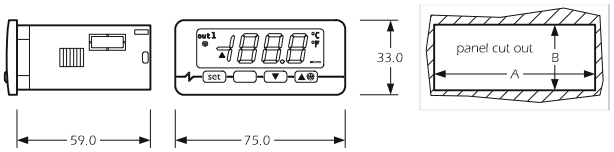


ADDITIONAL INFORMATION FOR ELECTRICAL CONNECTION

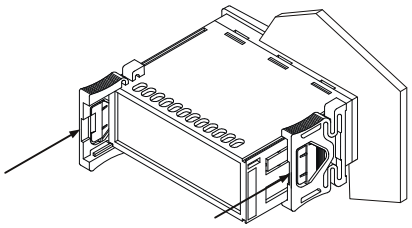
- do not operate on the terminal blocks with electrical or pneumatic screwers
- if the instrument has been moved from a cold location to a warm one, the humidity could condense inside; wait about an hour before supplying it
- test the working power supply voltage, working electrical frequency and working electrical power of the instrument; they must correspond with the local power supply
- disconnect the local power supply before servicing the instrument
- do not use the instrument as safety device

DIMENSIONS AND INSTALLATION

Dimension of model:



DIMENSION	
A	71.0
B	29.0



INSTALLATION

Panel mounting, with click brackets.

ADDITIONAL INFORMATION FOR INSTALLATION

- the panel thickness must not be higher than 8.0 mm (0.314 in)
- working conditions (working temperature, humidity, etc.) must be between the limits indicated on the technical data
- do not install the instrument close to heating sources (heaters, hot air ducts, etc.), devices provided with big magnetos (big speakers, etc.), locations subject to direct sunlight, rain, humidity, dust, mechanical vibrations or bumps
- according to the safety legislation, the protection against electrical parts must be ensured by a correct installation of the instrument; the parts that ensure the protection must be installed so that you can not remove them without using a tool.