

Electronic Multi-Function Temperature Controller for Trace Heating in mid- and small-sized plants in Front-panel mounting design.

## Electronic Controller non Ex

- For 4 or 8 Channels and up to 8 Zones
- Displays Set- and Process-value
- Multi Voltage Supply 100-240V
- Control: On-Off, P, PI, PD, PID and Auto-Tuning
- Input PT100 and other, Output as Relay and other
- 3 Alarm Outputs

### Description

The IRE8x is a simple to operate Electronic Multi-Function Temperature Controller with various adjustment possibilities for usage in mid- and small-sized plants.

The Controller is available in 4/8 Channel Version. Control-Parameter can be automatically determined and set by Auto-Tuning.

For monitoring you can set 3 different Alarm Outputs.

There are a lot of variants for Sensors, Outputs and monitoring possibilities available.

The Controller will be delivered with pre-set for freeze-protection.

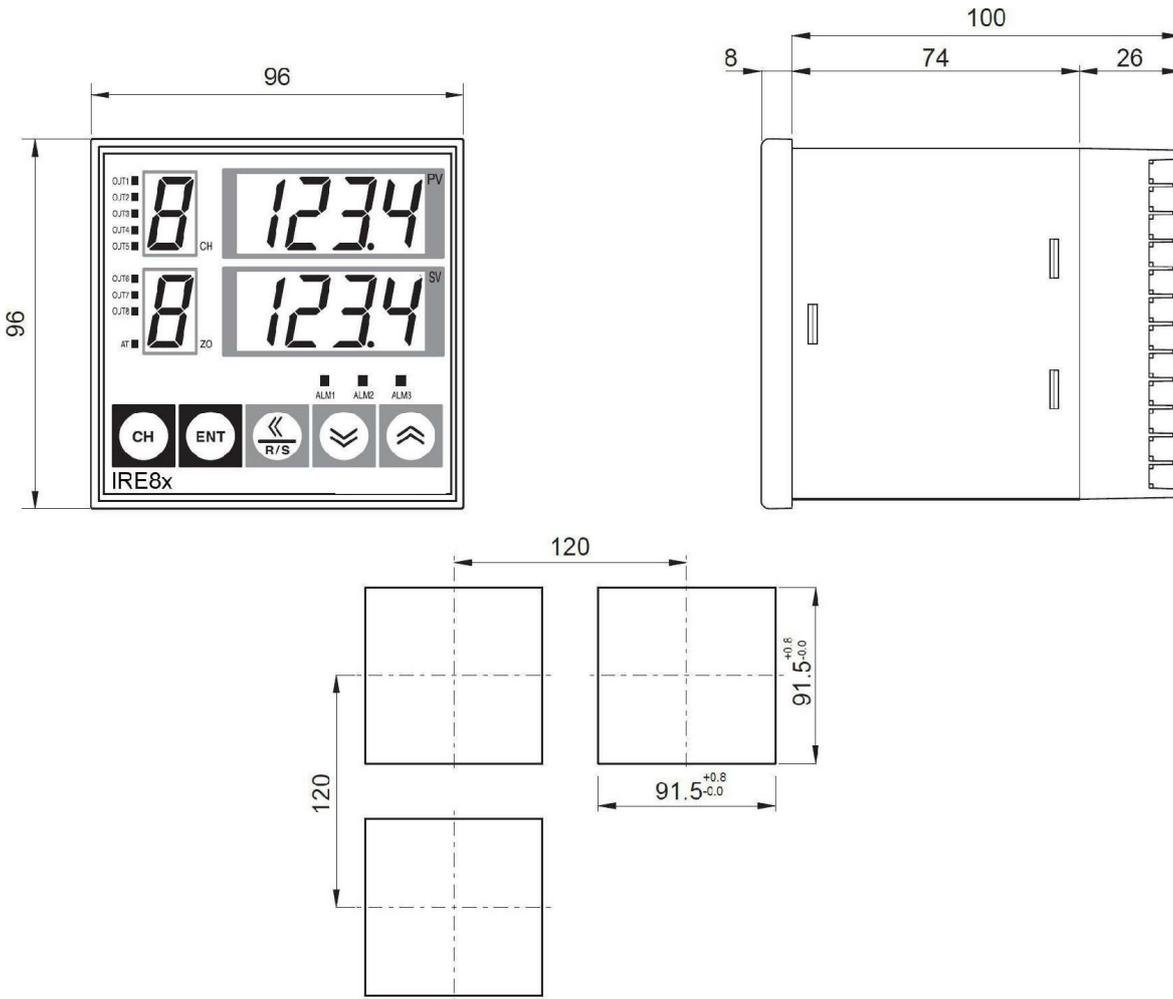


### Technical Data:

Number of Channels:	4 / 8
Number of Zones:	8
Functions:	On-OFF, P, PI, PD, PID
Regulator Parameters:	Manual Input / Auto Tuning
Channel Functions:	Each Channel can be set independent
Inputs:	PT100 (Standard) Optional: - Thermocouple: K,J,R,S,B,E,N,T,U,L, and others. - Voltage: 0-5V, 0-10V, 1-5V - Current Transformer: 0-100A
Input Impedance:	1M $\Omega$
Cycle Time:	1s
Temperature Range:	-199J+600°C (for PT100)
Outputs:	Relay (Standard) or SSR; Optional: TRIAC, 0-20mA, 4-20mA
Output Power:	Relay: 250V / 3A or SSR (Solid-State-Relay) with Pulse Output 0/12V, Load over 600I
Alarm Outputs:	3x Relay (max. 250V / 1A)
Alarm Functions:	15 Types
Communication:	based on EIA RS485 / RS422 / RS232C (Option)
Supply Voltage:	100-240VAC, 50-60Hz (Option 24VDC)
Power Consumption:	max. 12VA
Environment:	Temperature: 0-50°C, Humidity: 35-85% r
Dimension (LxWxD):	96x96x100mm

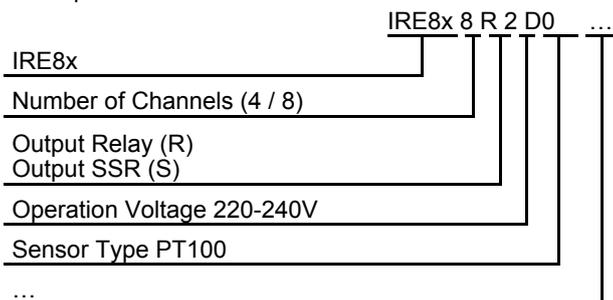
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## Dimensions / Assembly



## Ordering Information

Example:



More types on request.

## Further Products

Part Number:

IRPT100: PT100 Temperature Sensor 3-Wire  
 up to 180°C

## Further Information

Please consult operation instructions.