



Ref: **5 TX**

**SELF - TUNING  
CONTROL MODULE**

**SUPPLY** : 220/240 V 50/60 Hz single phase

**OUTPUT** : 0 to 230 V x 16 A (3600 W) Phase control or pulse triggered & zero crossing  
(Low voltage with addition of transformer)

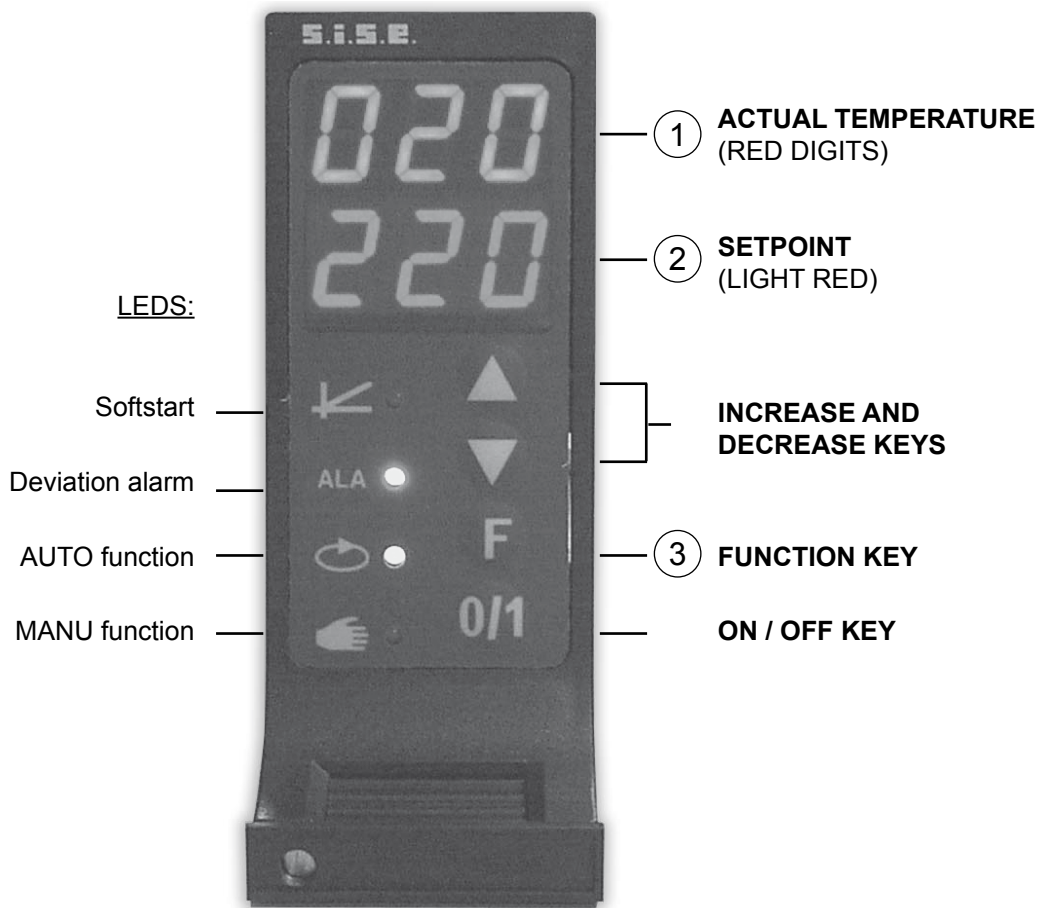
**INPUT** : **Thermocouple Fe/Co (J)** linearisation, accuracy 0,5%  
0 to 500°C (or 32 to 932°F according to configuration)  
or **Thermocouple K** with linearisation, accuracy 0,5%  
0 to 500°C (or 32 to 932°F according to configuration)

**CONTROL** : SELF-TUNING or programmable P.I.

**FUNCTIONS** : Automatic and manual  
**2nd Setpoint (standby) with remote switch**  
Programmable softstart of 0 to 99 min. (either 15% / 100°C or rate°C/minute)  
Display of current intensity (A)

**SAFETY** : Open thermocouple (displays  $\frac{LH}{L}$  and stops heating)  
**FEATURES** Inverted thermocouple (displays  $\frac{LH}{H}$  and stops heating)  
Asymmetrical upper / Lower deviation alarm (programmable)  
**Centralised alarm** (output from cabinet relays)  
Protection against supply overvoltage (on cabinet)  
Fuse GRB 16A

# TEMPERATURE CONTROLLER FOR HOT RUNNER MOULDING SYSTEMS



- ① **ACTUAL TEMPERATURE** is displayed on the red display
- ② **SETPOINT** is displayed on the light red display
- ③ **FUNCTION KEY** : Several items of data can be displayed by successive operation.

	<u>RED DISPLAY</u>	<u>LIGHT RED DISPLAY</u>	<u>FUNCTION</u>
1 <sup>st</sup> push	<i>Mod</i>	<i>Aut</i> or <i>Man</i>	Set of <b>AUTO</b> or <b>MANU</b> function by operating ▲ or ▼
2 <sup>nd</sup> push	<i>CO2</i>	xxx	Display and set of <b>2<sup>nd</sup> setpoint</b>
3 <sup>rd</sup> push	<i>PcU</i>	xx.x	<b>Power level used (%)</b>
4 <sup>th</sup> push	<i>ANP</i>	xx.x	<b>Actual RMS current</b> supplied at output (Ampere)
5 <sup>th</sup> push	<i>PL1</i>	ox.x	<b>Nominal power of heating elements (kW)</b>
6 <sup>th</sup> push	<i>CFG</i>	1 or 2	<b>Access to configuration parameters</b> (see detailed specifications) For specialists only.
7 <sup>th</sup> push or after 5 sec.	<b>Actual Temperature</b>	<b>Setpoint</b>	Back to normal display.

**S.i.S.E.**

**Hot Runner Controls**  
Mould Temperature Control  
Sequential Moulding  
Production Monitoring

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