



SDC Benchtop Digital Temperature Controller



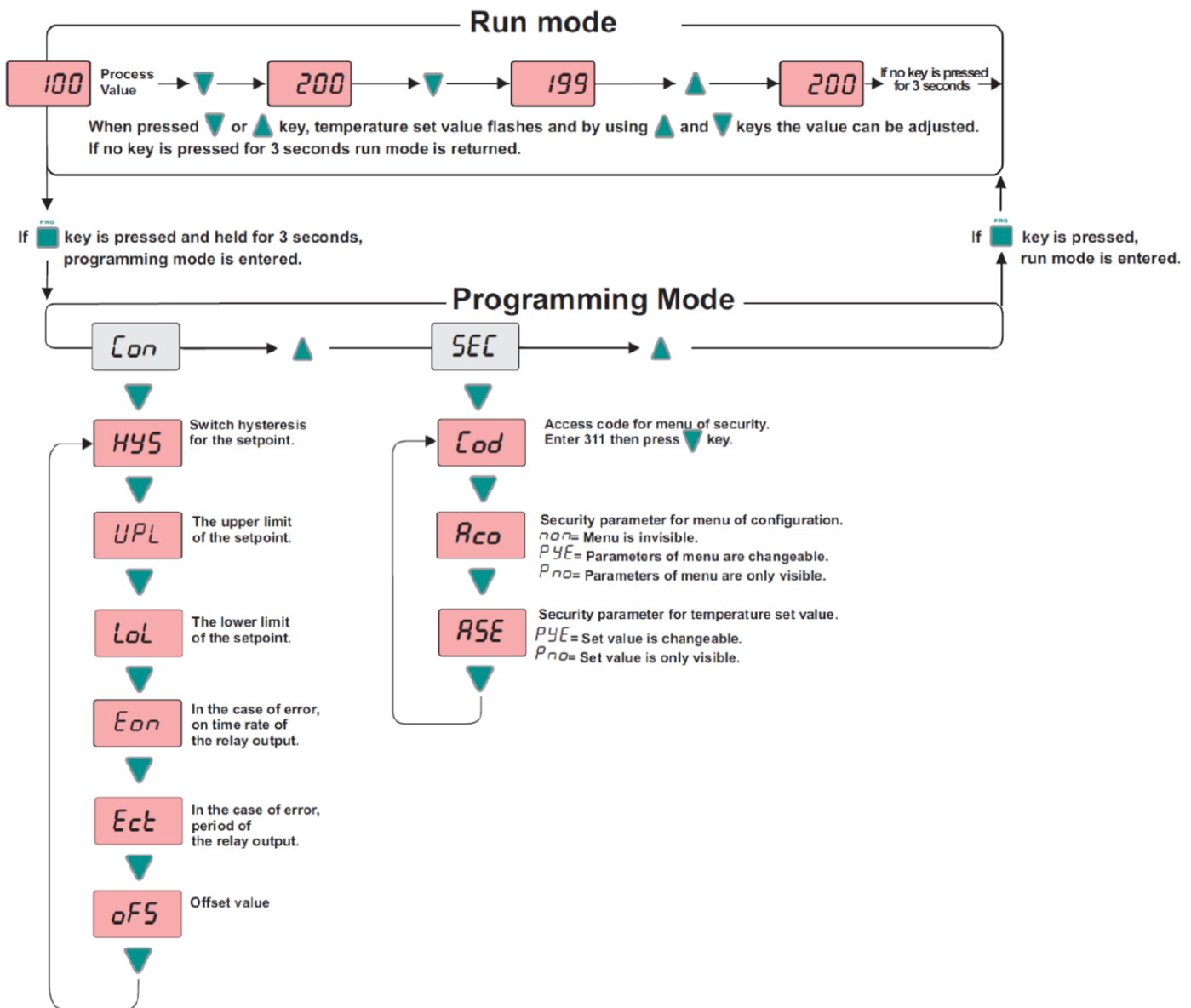
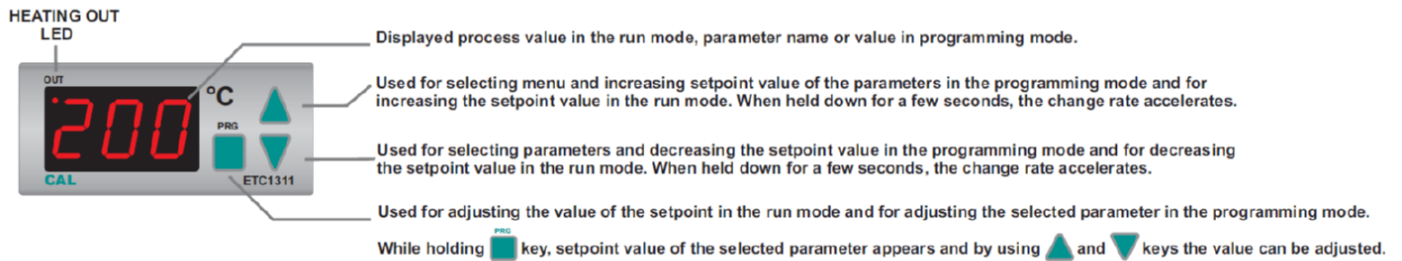
Read and understand this material before operating or servicing this temperature controller. Failure to understand how to safely operate this controller could result in an accident causing serious injury or death. This controller should only be operated by qualified personnel.

Technical Specifications

Part Number	Voltage	Degrees C or F	Thermocouple
SDC120JF-A	98-132VAC	° F	J-Type
SDC120KF-A	98-132VAC	° F	K-Type
SDC120JC-A	98-132VAC	° C	J-Type
SDC120KC-A	98-132VAC	° C	K-Type
SDC240JF-A	184-253VAC	° F	J-Type
SDC240KF-A	184-253VAC	° F	K-Type
SDC240JC-A	184-253VAC	° C	J-Type
SDC240KC-A	184-253VAC	° C	K-Type

- On-Off control.
- 120 VAC or 240 VAC power input.
- 10 Amp Max load.
- J type or K type Thermocouple.
- In the case of probe failure, heating can be selected on, off or periodical running.
- Upper and lower limits of the set-point can be adjusted.
- Set value can be adjusted by using single key.
- Hysteresis adjustable between 1 and 20 degrees.

Programming Your Controller



PARAMETER TABLE						
<i>Con</i>	Menu of Configuration parameters	MIN	MAX	UNIT	DEF.SET	
<i>HYS</i>	Switch hysteresis for the setpoint. (When temperature falls to SET-HYS, output relay becomes active.)	1	20	°C	1	
<i>UPL</i>	The upper limit of the setpoint.	<i>LoL</i>	600	°C	600	
<i>LoL</i>	The lower limit of the setpoint.	Fe-CuNi	0	<i>UPL</i>	°C	0
		Pt100	-99	<i>UPL</i>	°C	-99
<i>Eon</i>	In the case of error, on time rate of the relay output.	0	100	% Ect	0	
<i>Ect</i>	In the case of error, period of the relay output.	10	250	sec	30	
<i>oFS</i>	Offset value.	-99	99	°C	0	
<i>SEC</i>	Menu of Parameter security					
<i>Acc</i>	Security parameter for menu of configuration. <i>non</i> = Menu is invisible. <i>PYE</i> = Parameters of menu are changeable. <i>Pno</i> = Parameters of menu are only visible.					
<i>ASE</i>	Security parameter for temperature set value. <i>PYE</i> = Set value is changeable. <i>Pno</i> = Set value is only visible.					

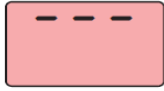
TROUBLESHOOTING GUIDE

Please read this guide prior to contacting BriskHeat®. This guide is designed to answer the most commonly asked questions. If you are unable to identify the problem or need additional assistance, please contact your local distributor/representative or us at:

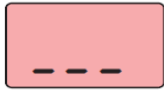
U.S. and Canada
Worldwide
Email

1-800-848-7673
614-294-3376
bhtsales1@briskheat.com

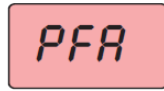
Error Messages



Means, temperature value is higher than the scale.



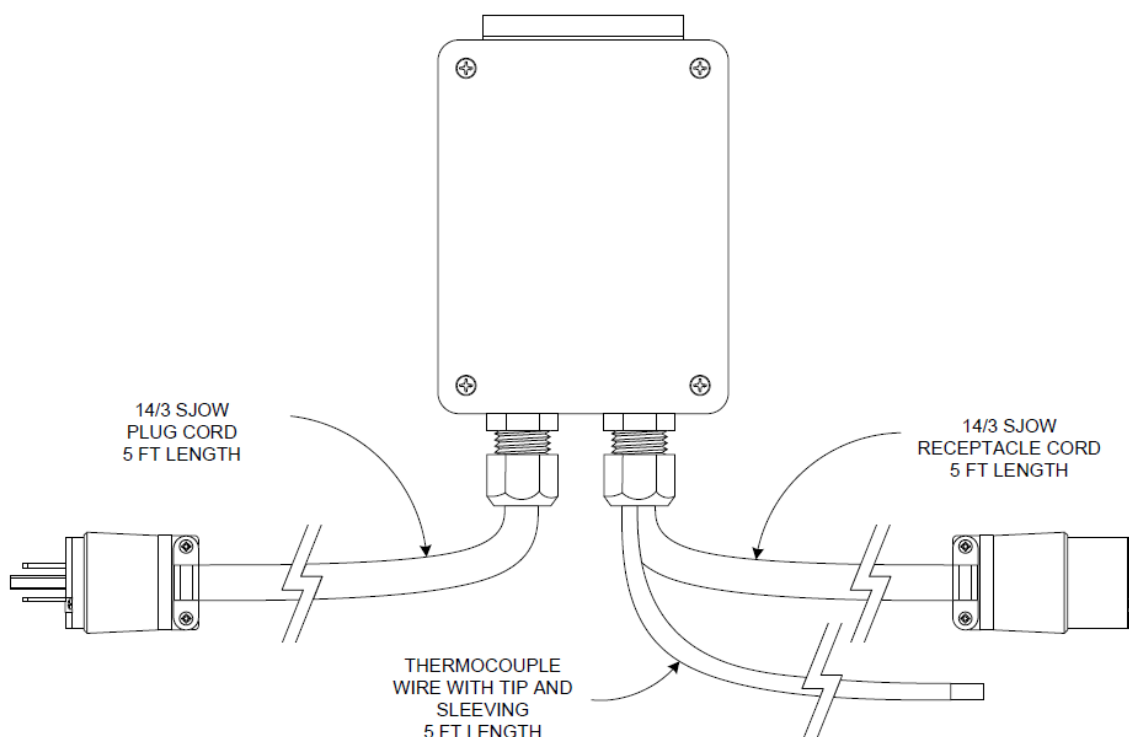
Means, temperature value is lower than the scale.



Means, temperature sensor is broken or over temperature.

Controller does not function

1. Check fuse: Unplug the unit from its power source. Remove the fuse and check its continuity. If the fuse is defective, replace it with like fuse. Fuse is located inside enclosure. (*Contact factory for assistance*)
2. Check power source: Using a voltmeter, test the power source and assure correct voltage is present.
3. Check thermocouple: Using a thermocouple meter, test the sensor to assure proper function.



Notes:

BriskHeat[®]
Corporation

Sales • Engineering
"Heat and Control
Specialists"



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