Manuals+ — User Manuals Simplified.

CRA112 Setpoint
Temperature
Controller

ESBE CRA112 Setpoint Temperature Controller Installation Guide

Contents

ESBE CRA112 Setpoint Temperature Controller

Product Specifications

- Ambient temp: 23°F to 131°F (-5°C to 55°C)
- Flow temp. range: 41°F to 200°F (5°C to 95°C)
- Power supply: 24 ± 10%, 60 Hz
- Power consumption: 3VA
- Max run time at max speed: 30 seconds
- Weight: 2 lbs (0,9 kg)
- Torque: 53.1 in.lbs (6 Nm)
- Enclosure rating: NEMA 2 (IP41)

Mountable to ESBE 3MG, 4MG, Type G and VRG valves up to 2

Product Usage Instructions

Startup:

1. Set the required rotation of the controller by pushing the rocker to the right for clockwise opening or left for counterclockwise opening.
2. Keep the rocker in the desired direction and connect the power
3. Wait for 2 seconds before releasing the rocker, the desired controller rotation is now set.

Temperature Setting:

- Default Setpoint Temperature: 120°F (49°C)
- Maximum Temperature Setting: 200°F (95°C)

Minimum Temperature Limitation:

- Default Minimum Temperature: 41°F (5°C)
- Minimum Temperature Setting: 41°F (5°C)

Secondary Temperature Setpoint (activated by external signal):
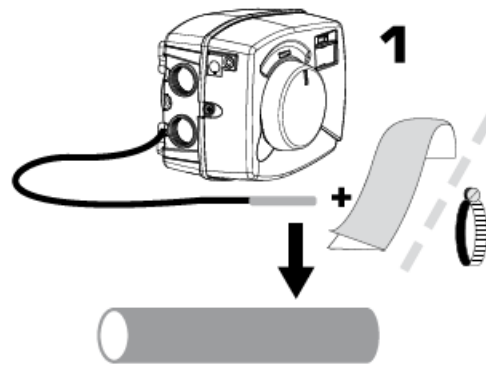Remove power to the actuator before making adjustments.

Changing of Setpoint Secondary Temperature:
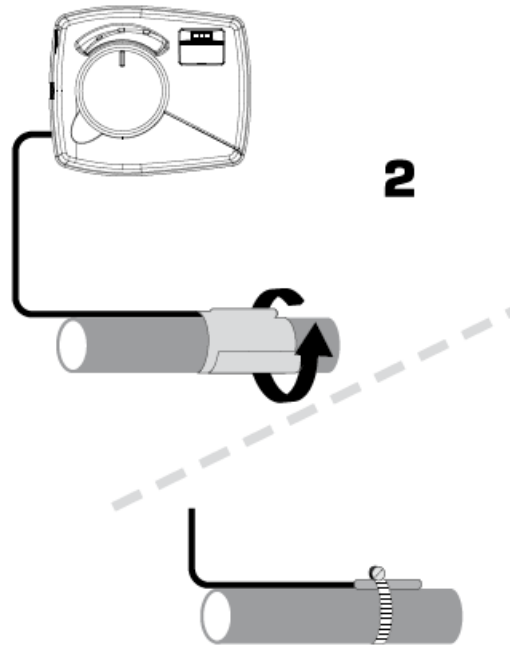Adjust as needed following the provided instructions

Changing of Setpoint Primary Temperature:
Adjust as needed following the provided instructions.
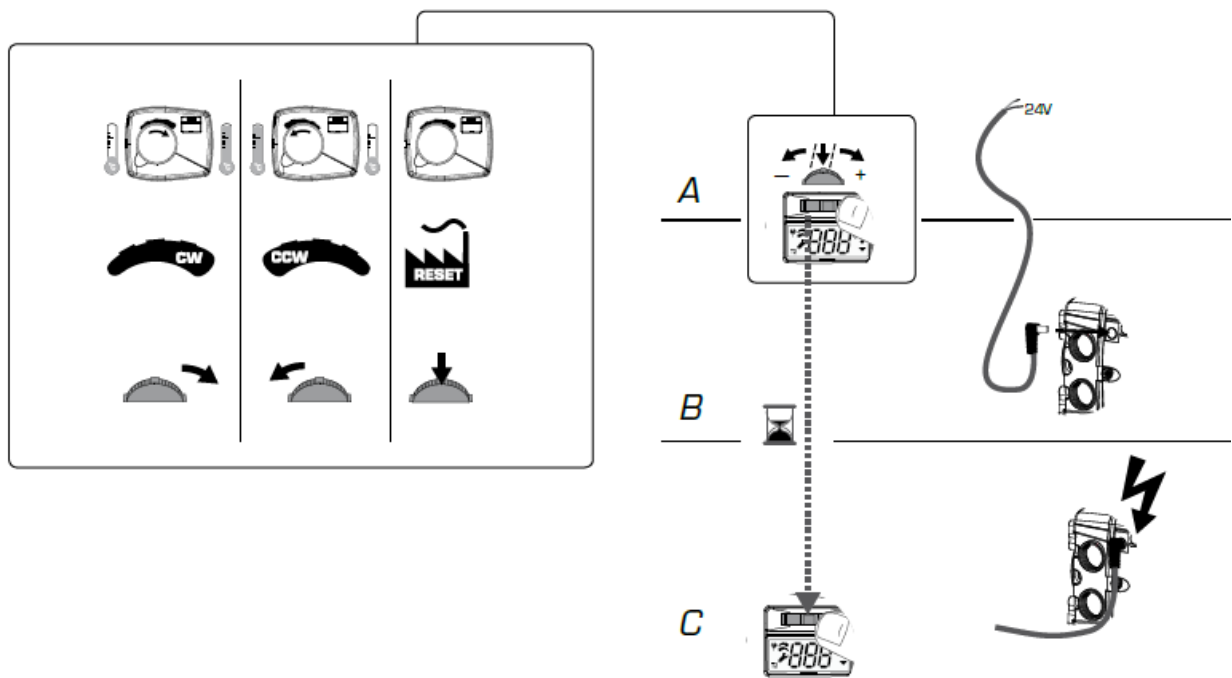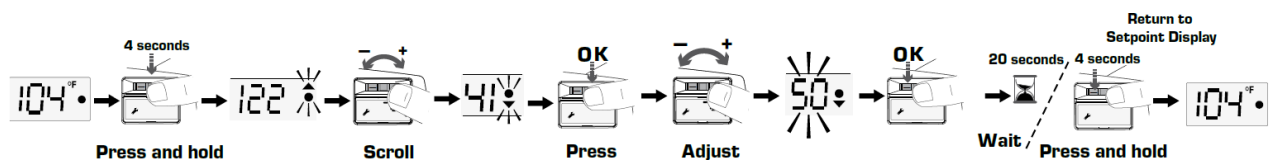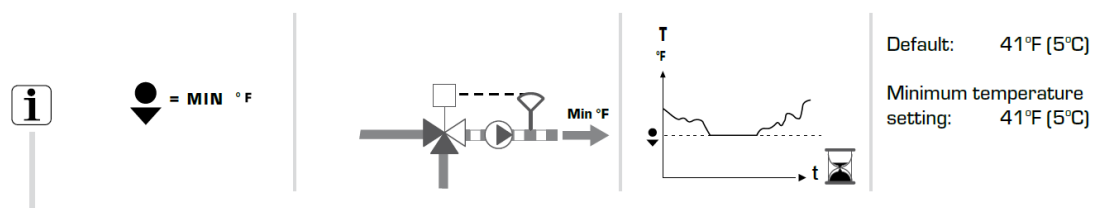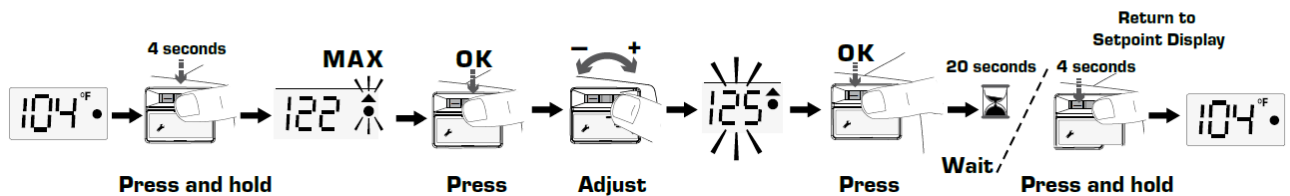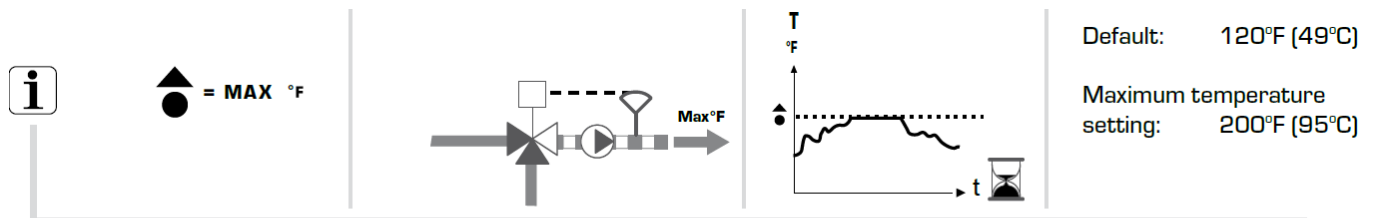
Temperature Sensor Installation

Wrap the sensor

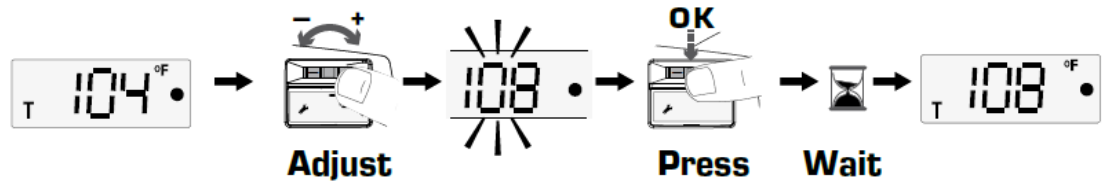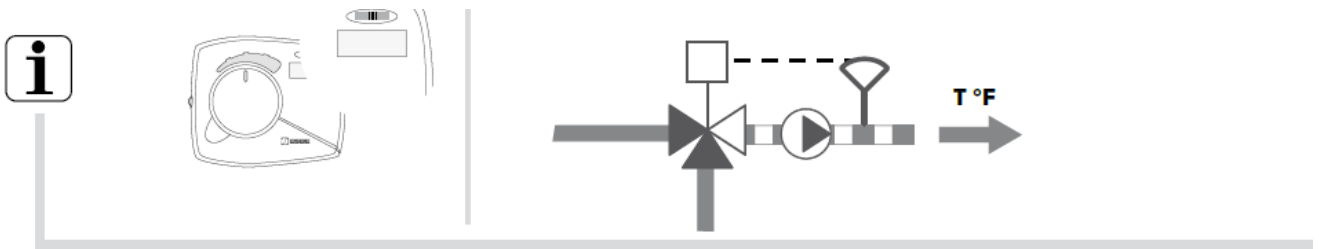## Selection Operation

Start up

1. Set the required rotation of the controller by pushing the rocker to the right for clockwise opening or left for counter clockwise opening (A).
2. Keep the rocker in the desired direction and connect power (B).
3. Wait 2 seconds before releasing the rocker (C), the desired controller rotation is now set.
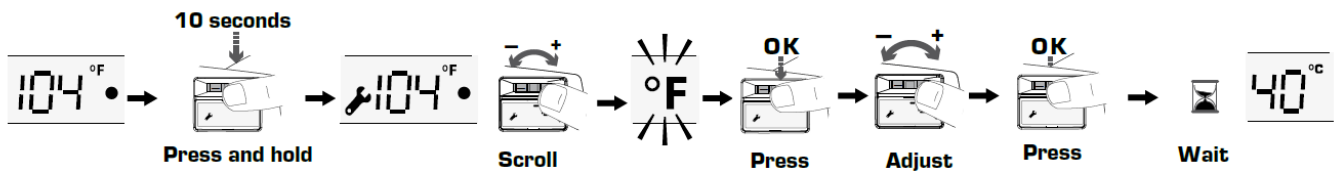
Maximum Temperature Limitation

● = MAX °F	Default: 120°F (49°C)
	Maximum temperature setting: 200°F (95°C)

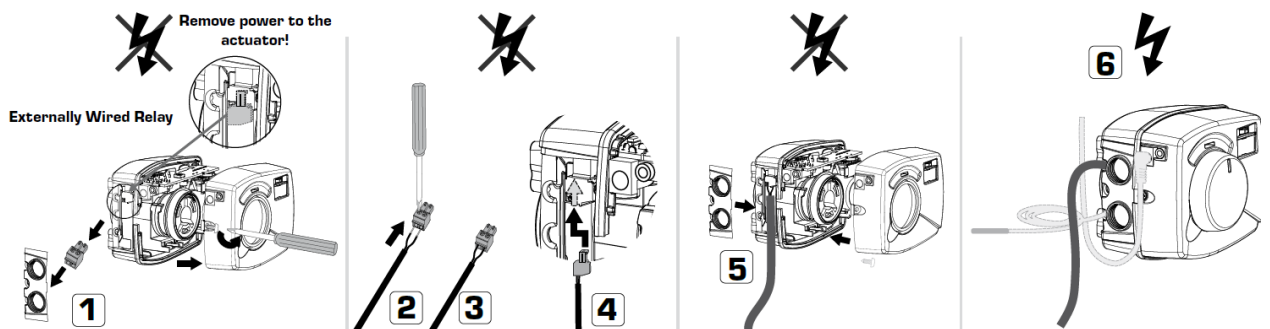|	
● = MIN °F	Default: 41°F (5°C)
	Minimum temperature setting: 41°F (5°C)

Changing of Setpoint, Primary

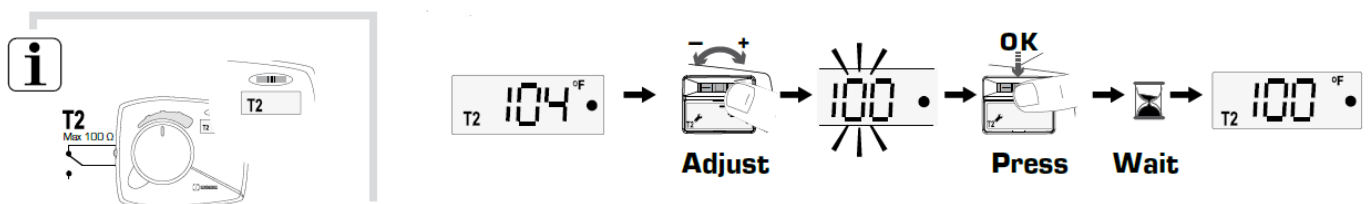## °F / °C Temperature Unit Display

Secondary Temperature Setpoint

(activated by external signal)

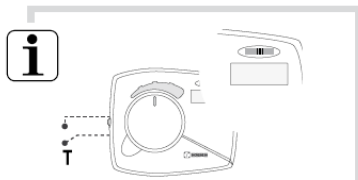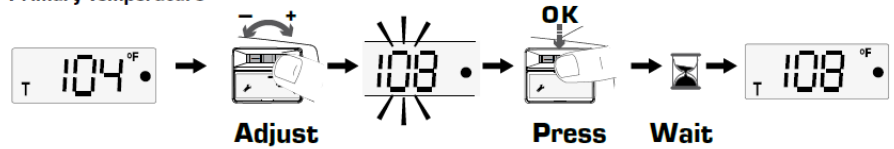

Changing of Setpoint Secondary Temperature

Changing of Setpoint Secondary Temperature

Changing of Setpoint Primary Temperature

T 104°F → Adjust → 108 → Press OK → Wait → T 108°F
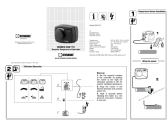
Frequently Asked Questions

- **Q: What is the default setpoint temperature for the Series CRA112 controller?**

  A: The default setpoint temperature is 120°F (49°C).

- **Q: How do I change the secondary temperature set point?**

  A: Remove power to the actuator and follow the instructions provided in the manual to adjust the secondary temperature setpoint.

Documents / Resources

	ESBE CRA112 Setpoint Temperature Controller [pdf] Installation Guide CRA112 Setpoint Temperature Controller, CRA112, Setpoint Temperature Controller, Temperature Controller

References

- **User Manual**