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**SERIES CRA112**  
**Setpoint Temperature Controller**



**NO.1 IN HYDRONIC SYSTEM CONTROL**

Mtrl.nr: 9814 09 32 Ritn.nr: 8419 utg. A • Rev. 1506



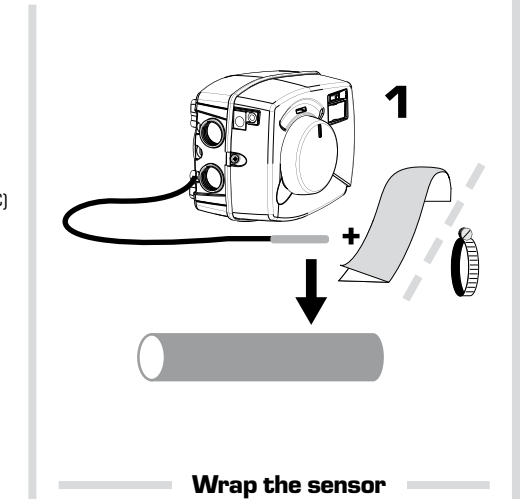
Series CRA112

CE  
LVD 2006/95/EC  
EMC 2004/108/EC  
RoHS 2002/95/EEC

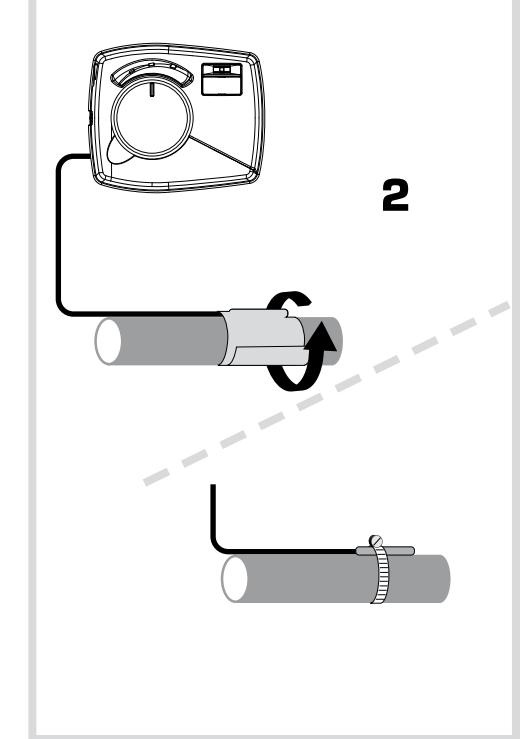
Ambient temp:	23°F to 131°F (-5°C to 55°C)
Flow temp. range:	41°F to 200°F (5°C to 95°C)
Power supply:	24 ± 10%, 60 Hz
Power consumption:	3VA
Max run time at max speed:	30 seconds
Weight:	2 lbs (0,9 kg)
Torque:	53.1 in.lbs (6 Nm)
Enclosure rating:	NEMA 2 (IP41)

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

**1** Temperature Sensor Installation

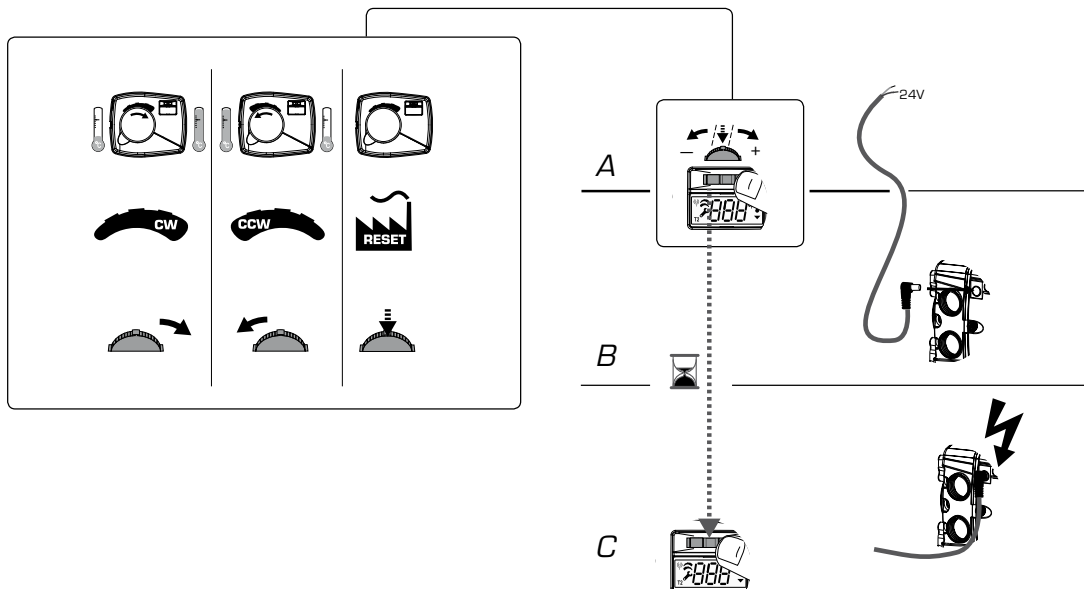


**Wrap the sensor**



**2**

**2** Selection Operation



**Start up**

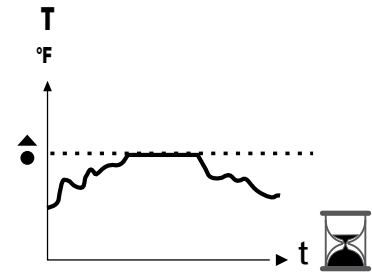
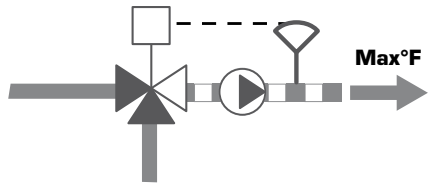
1. Set the required rotation of the controller by pushing the rocker to the right for clockwise opening or left for counter clockwise opening [A].
2. Keep the rocker in the desired direction and connect power [B].
3. Wait 2 seconds before releasing the rocker [C], the desired controller rotation is now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



### Maximum Temperature Limitation

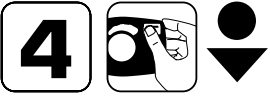
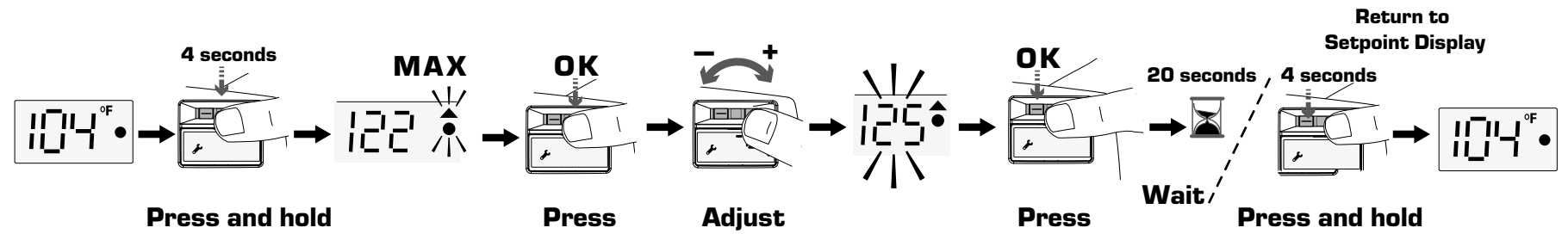


= MAX °F



Default: 120°F (49°C)

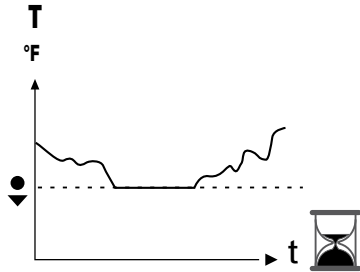
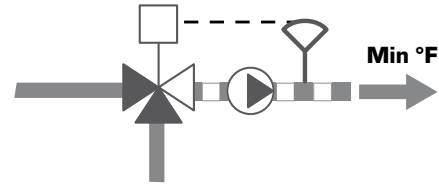
Maximum temperature setting: 200°F (95°C)



### Minimum Temperature Limitation

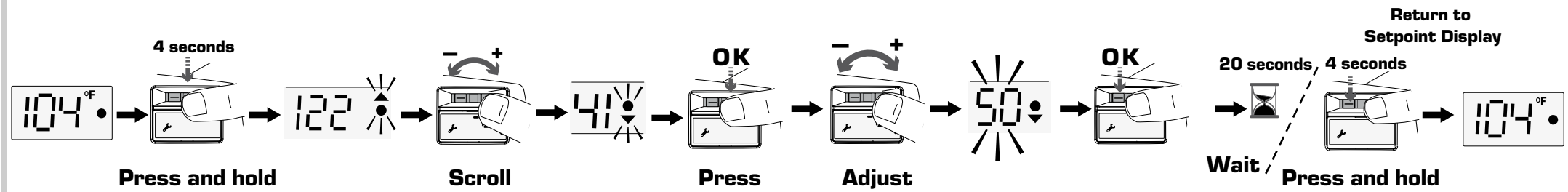


= MIN °F



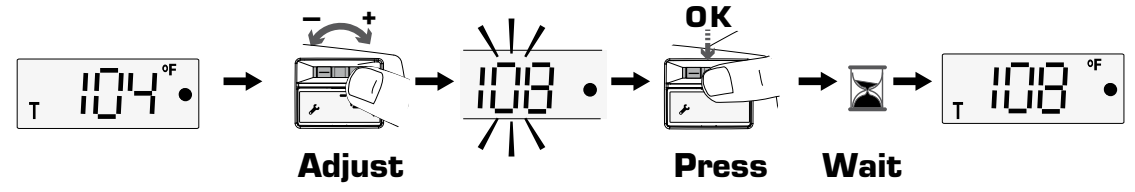
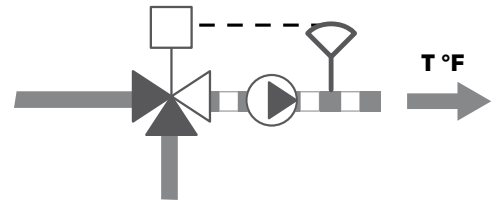
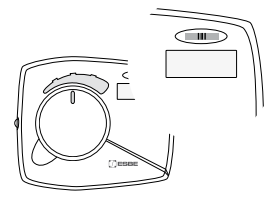
Default: 41°F (5°C)

Minimum temperature setting: 41°F (5°C)



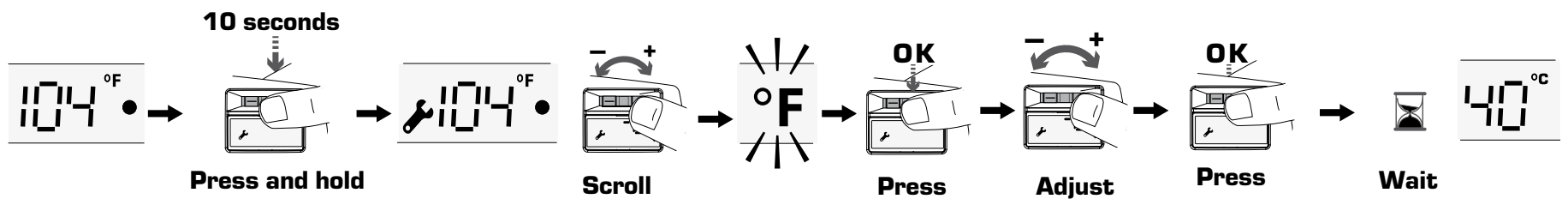
**5** **T**

**Changing of Setpoint, Primary**



**i**

**°F / °C Temperature Unit Display**



6

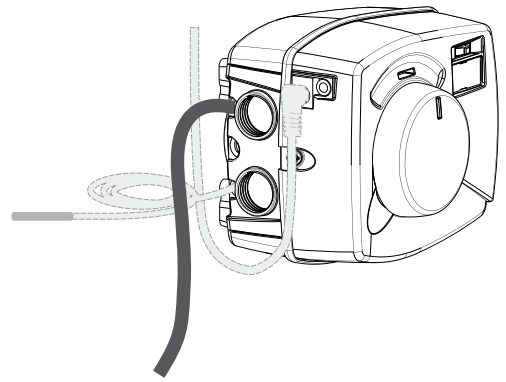
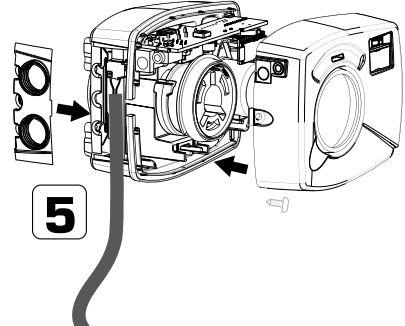
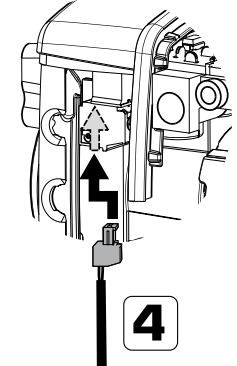
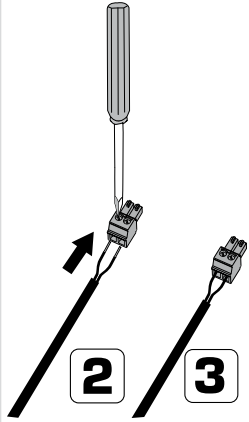
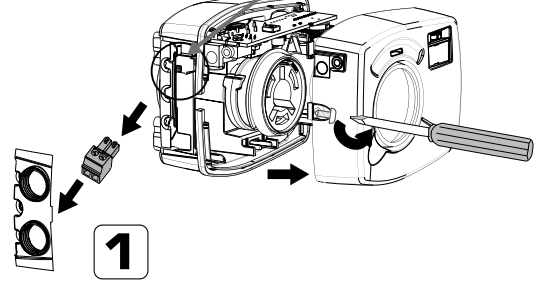
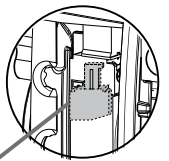


# T2 - Secondary Temperature Setpoint (activated by external signal)

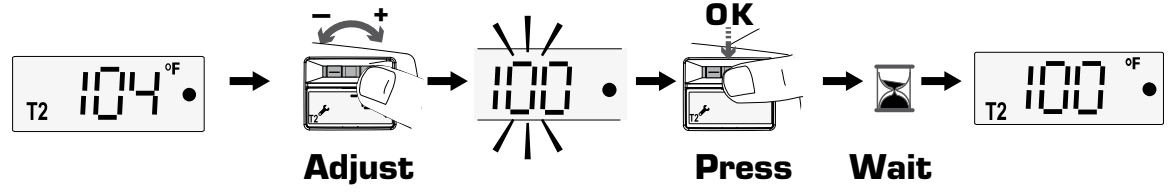
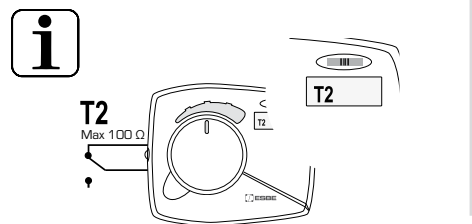


**Remove power to the actuator!**

Externally Wired Relay



## Changing of Setpoint Secondary Temperature



# T

## Changing of Setpoint Primary Temperature

