



## ECONOMICAL THERMOMETER MOVEMENT

1. First create your own thermometer dial using either the Celsius or Fahrenheit template shown on the other side.
2. The thermometer shaft requires a 5 diameter hole through the dial's center. Use templates on other side for a guide.
3. To mount movement to your finished thermometer, slip the rubber washer onto the movement's threaded shaft. Then pass the shaft through the hole in the dial. Add the brass washer and hex nut to the shaft. Tighten hex nut only finger-tight.
4. Place the indicator hand on the thermometer shaft so that the shaft passes through the hole in the indicator hand. Secure the indicator hand with the brass cap nut. If necessary, the indicator hand can be trimmed using sharp scissors.
5. The correct temperature can be set using your household thermostat reading as a guide. Thermostats are usually accurate to within  $\pm 1^\circ$  F. Any other reliable thermometer can also be used as a guide. To obtain a stable reading on your completed thermometer, place it near the reference thermometer and wait about an hour before adjusting it.
6. Finally, make sure the indicator hand moves freely. To do this, move it about  $20^\circ$  to either side and release it. The indicator hand should move back and forth several times before stopping. If the indicator hand does not stop on the correct temperature, re-adjust the thermometer slightly until it does.

