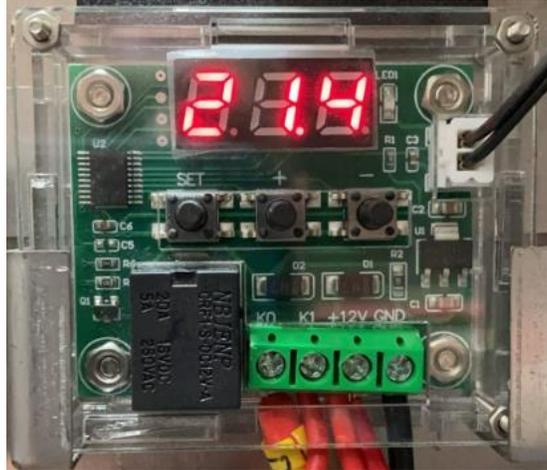


# Thermostat Configuration

Hamilton RFD-H13, Unitec WS2, Exacta RFB, American Changer RFB



### Setting the trigger temperature:

To set the trigger temperature, press the button marked “SET”. The seven-segment display will flash. You can now set a trigger temperature (in Celsius) using the “+” and “-” buttons in 0.1 degree increments. If no buttons are pressed for approximately 2 seconds, the trigger temperature will be stored and the display will return back to the current temperature.

### Dencar notes:

The default trigger temperature is set to 22C. You may need to adjust based on local conditions.

### Temperature conversion table

15C = 59F	16C = 61F	17C = 63F	18C = 65F	19C = 66F
20C = 68F	21C = 70F	22C = 72F	23C = 73F	24C = 75F
25C = 77F	26C = 79	27C = 80F	28C = 82F	29C = 84F

### Setting the parameters:

To set any parameter, first long press the “SET” button for at least 5 seconds. The seven-segment display should now display “P0”. This represents parameter P0. Pressing the + or – buttons will cycle through the various parameters (P0 to P6). Pressing the “SET” button while any of their parameters are displayed will allow you to change the value for that parameter using the + and – buttons (see below). When finished setting a parameter, press the set button to exit that option. If no buttons are pressed for approximately 5 seconds, the thermostat will exit the parameter options and will return back to the default temperature display.

### Setting the cooling or heating parameter P0:

The parameter P0 has two settings, C (cooling) and H (heating). When set to C (default), the relay will energize when the temperature is reached. Use this setting if connecting to a cooling system. When set to H, the relay will

### Dencar notes:

This unit is only designed for cooling.

de-energize when the temperature is reached. Use this setting when controlling a heating device.	Do not change to the H setting.
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<p><b>Setting the hysteresis parameter P1:</b> This sets how much change in temperature must occur before the relay will change state. For example, if set to the default 2 degrees Celsius, and the trigger temperature has been set to 22C, it will not de-energize until the temperature falls back below 20C. Setting this hysteresis helps stop the thermostat from continually triggering when the temperature drifts around the trip temperature.</p>	<p><b>Dencar notes:</b> You should not need to change this setting.</p>
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<p><b>Setting the upper limit of the thermostat parameter P2:</b> This parameter limits the maximum trigger temperature that can be set. It can be used as a safety to stop an excessively high trigger temperature from accidentally being set by the user.</p>	<p><b>Dencar notes:</b> You should not need to change this setting.</p>
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<p><b>Setting the lower limit of the thermostat parameter P3:</b> This parameter limits the minimum trigger temperature that can be set. It can be used as a safety to stop an excessively low trigger temperature from accidentally being set by the user.</p>	<p><b>Dencar notes:</b> You should not need to change this setting.</p>
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<p><b>Setting temperature offset correction parameter P4:</b> Should you find there is a difference between the displayed temperature and the actual temperature (for instance, if the temperature probe is on a long run of cable), you can make minor corrections to the temperature reading with this parameter.</p>	<p><b>Dencar notes:</b> You should not need to change this setting.</p>
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<p><b>Setting the trigger delay parameter P5:</b> This parameter allows for delaying switching of the relay when the trigger temperature has been reached. This parameter can be set in one-minute increments up to a maximum of 10 minutes.</p>	<p><b>Dencar notes:</b> You should not need to change this setting.</p>
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<p><b>Setting the high temperature alarm parameter P6:</b> Setting a value for this parameter will cause the relay to switch off when the temperature reaches this setting. The seven-segment display will also show “---” to indicate an alarm condition. The relay will not re-energize until the temperature falls below this value. The default setting is OFF.</p>	<p><b>Dencar notes:</b> You should not need to change this setting.</p>
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