# TA-1 INSTRUCTIONS

## 1. GENERAL


- The TA-1 will alarm when ever the temperature goes out of the set range. Otherwise the status is “OK” indicated with the green stack LED.

## 2. SETTING THE ALARM POINTS

The most common alarm is a simple high limit and low limit. This is set for a low alarm of 70º and a high of 80º from the factory. To change this:

- Enter the sub-menu by pressing the key on the module.
- Enter the “secret” code of 800 using the arrows and then press “enter” which will take you to the first submenu item - the high alarm.


- Change this value with the up or down keys to your preference.
- Pressing enter will confirm this entry, and take you to the next submenu item “low alarm”.


- This is probably all you need to do. You can just exit by pressing .

More parameters that can be set in the submenu are below.


- A moveable range is also possible instead of a fixed high and low. (above) This works by setting a deviation from the set point. (78º in the picture above) If the set point is 78º and the high deviation is 1º, then an alarm will happen when temperature reaches 79º. Since the set point is easy to adjust without entering the submenu, it is convenient if the set point varies frequently. This is set by adjusting the next items in the submenu known as the “deviation” alarms.


- The “Alarm Exemption” feature will stop the unit from alarming when it is first powered up. After the temperature is in range, then any temperature excursions will cause alarms. Set for 7 to enable.


- Another setting of possible interest is the Hysteresis. (how far the temperature has to recover after an alarm before the alarm resets) So for example, lets say the temperature exceeds 80º and then goes into alarm. If the hysteresis is set for the factory default of 0.2º, then the alarm will stop when temperature recovers down to 79.8º.


- Setpoint Compensation. To adjust the thermocouple reading, simply enter the offset in degrees.
- There are many other settings in the temperature module but they are all pre-set for you. However details on all of them can be found on our website at “detailed Instructions for Temperature Module”.

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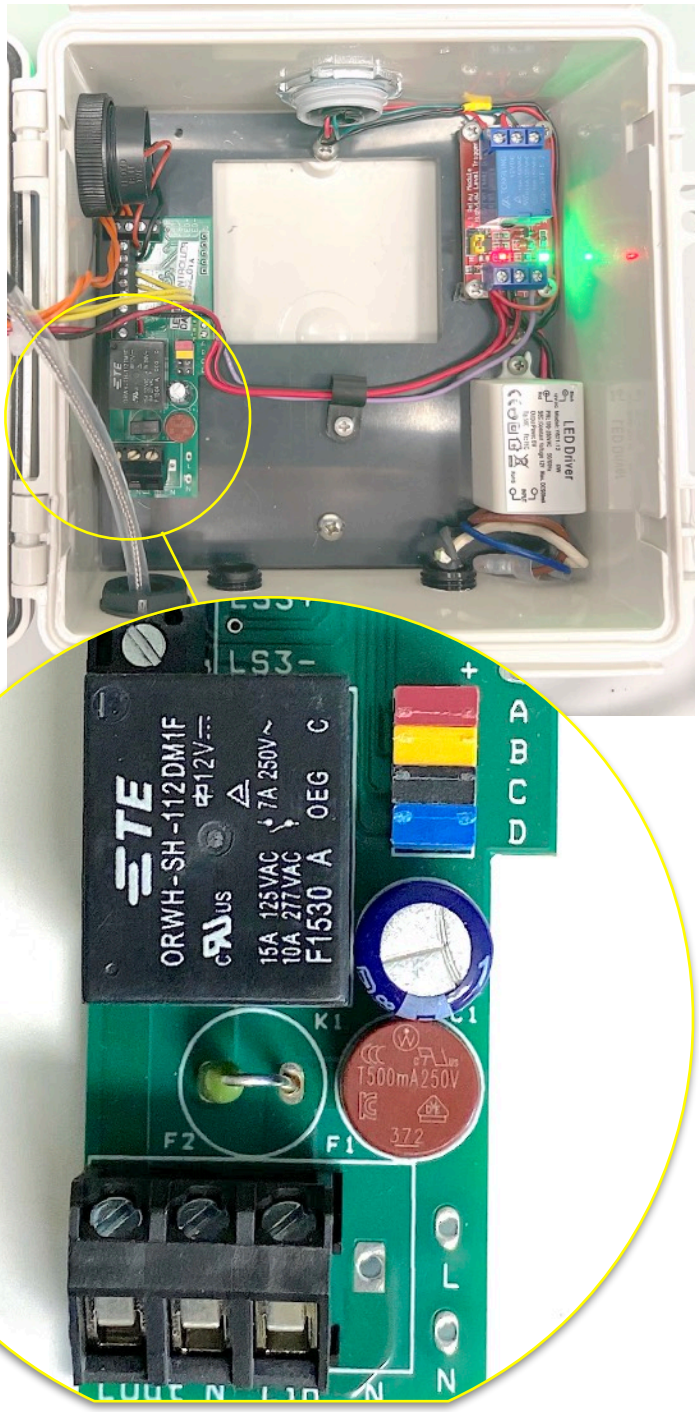
## 3. RELAY OUTPUT

- There is a relay available that changes state when there is an alarm. The relay is rated 15A.
- RELAY ORIENTATION is N.C. when the black jumper is on the pins. Change this to N.O. by removing the blue jumper pin. (position C)
- The blue jumper (D)should always be off the pins. (changes the logic to N.O.)




DRY CONTACT POINTS

## 4. ALARM BEHAVIOR

- SNOOZE ALARM The alarm can sound every 30 minutes after it has been silenced by the front (green) button, or a single press of the green button can stop it for good. The default is to have the snooze alarm feature enabled. (yellow jumper) on the ‘B’ pins. To disable this, remove the yellow jumper.
- LATCHING ALARM. The relay can reset automatically when temperature is corrected, or it can latch. This is the red jumper on position ‘A’. To have a latching alarm, remove jumper ‘A’.