

TEMPERATURE ALARM CONNECTIONS

1. SENSOR CONNECTION

- Connect a thermocouple to terminals 6,7 of the module.
- RTD connection is on 6,7,8.

2. ALARM INPUTS & OUTPUTS

There are two inputs for additional conditions besides temperature:

- “AL Level” are N.C terminals. When these terminals are “open”, it causes an alarm on the buzzer and blue stack LED. These are jumpered in the image.
- “EM. Level” are N.C. terminals and when “Open”, it causes an alarm on the buzzer and blue stack LED, and also turns off the power relay output. (RLY3) These are jumpered in the image.

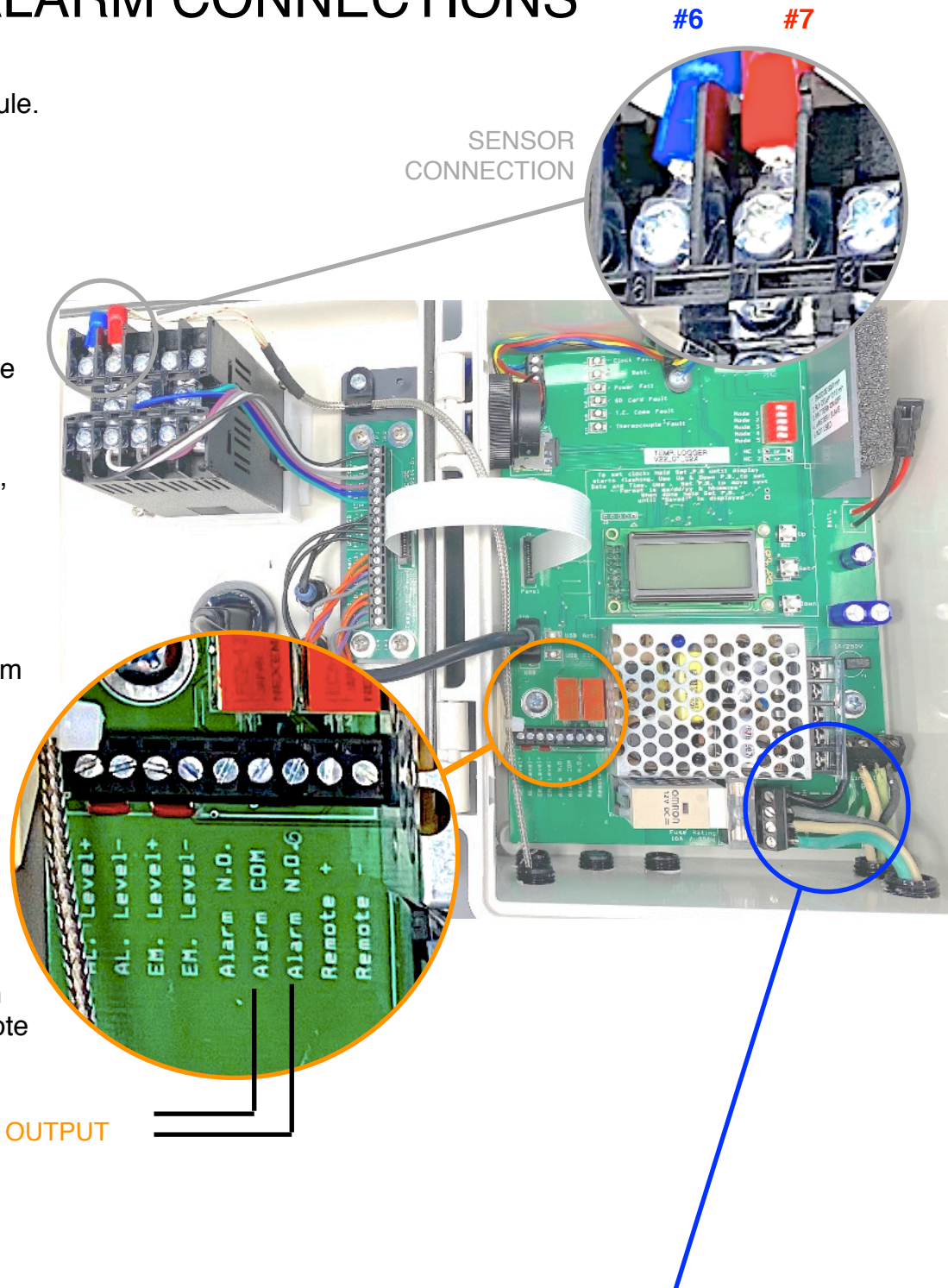
One alarm output:

- Terminals “Alarm N.O, COM, and N.C.” provide a 2A contact from a relay (RY1) whenever there is an alarm condition. Can be delayed with DIP #2.

3. REMOTE

- “Remote + and –” terminals are used for connecting multiple TCAD units together so all can be turned on or off from the front buttons on a designated “master” TCAD. The “master” is designated with DIP switch #4.
- To enable this, connect the “remote+” in every unit in a daisy chain. (in series) Likewise, connect all “remote –” terminals.

EXAMPLE N.O. OUTPUT



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4. POWER

INPUT

- 120VAC input power is connected to the terminal block marked “Line In” to terminals N, L, Gnd by a power cord.

120VAC OUTPUT

- A jumper wire connected is connected along the dashed line marked “In” by default. This brings 120VAC power to the terminal block marked “Control” in order to provide a 120VAC output there.
- Connect your solenoid or other device as shown.

DRY CONTACT OUTPUT

- If a dry contact output is called for, disconnect the black jumper wire along the “In” dashed line connecting the “Line In” block to the “Control” terminal block.
- The output from the “Control” block is N.O., and Closes when heat is called for. (when the temperature module is in the typical heating mode)

JUMPER HERE
PROVIDES 120VAC
OUTPUT

