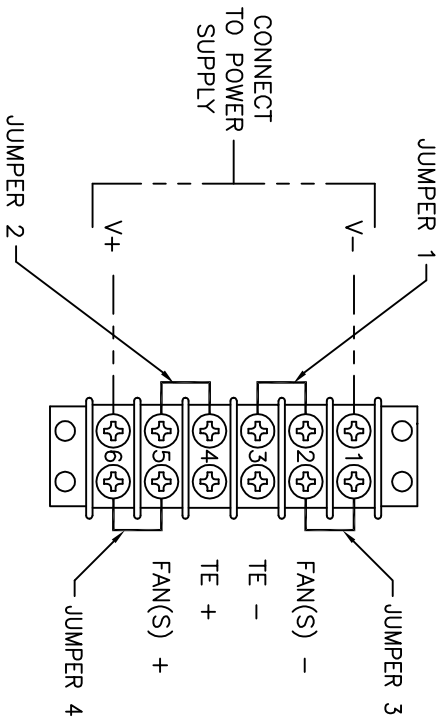


## FOR CONTINUOUS OPERATION AT FULL POWER:

(i.e. WHEN USING FIXED POWER SUPPLY AND COOLER IS TURNED EITHER FULLY ON OR OFF)

### INSTRUCTIONS:

1. APPLY CONSTANT POWER TO TERMINALS 1 AND 6

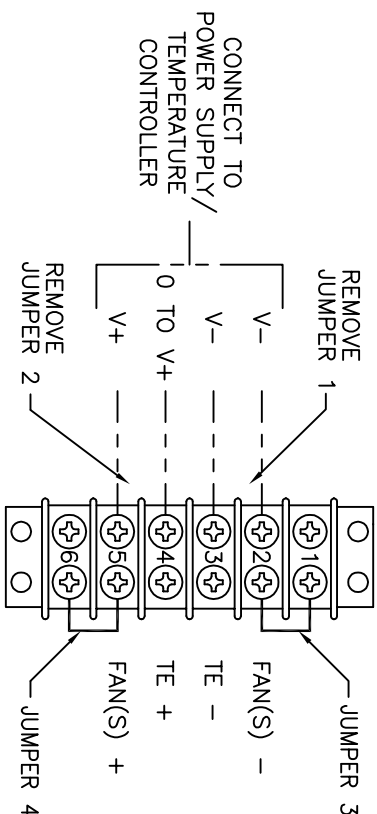


## WHEN VARYING POWER TO THE THERMOELECTRICS:

(i.e. WHEN USING TEMPERATURE CONTROLLER)

### INSTRUCTIONS:

1. REMOVE THE JUMPERS CONNECTING TERMINALS 2 AND 3 AND TERMINALS 4 AND 5.
2. APPLY CONSTANT VOLTAGE TO TERMINALS 2 AND 5 (FANS) AND VARIABLE VOLTAGE TO TERMINALS 3 AND 4 (THERMOELECTRIC MODULES)



The two center terminals are connected to the negative and positive terminals of the thermoelectric modules. Terminals for the fans are located on either side of the thermoelectric module's terminals. Negative fan terminals are located in positions 1 and 2, and the positive fan terminals are located in positions 5 and 6. ALL POSITIVE TERMINALS ARE ELECTRICALLY CONNECTED AND ALL NEGATIVE TERMINALS ARE ELECTRICALLY CONNECTED AT THE FACTORY USING TWO JUMPERS. This is so the cooler can be powered using only two wires if it will only be turned either fully on or fully off. If the power to the thermoelectric modules will be varied, such as when using a temperature controller, the jumpers connecting terminals 2 and 3 and 4 and 5 should be removed. This allows the fans to be powered with a constant input voltage (and run continuously) while the voltage to the thermoelectric modules is varied.

## NOTES:

1. JUMPER 1 AND JUMPER 2 MAY BE REMOVED AT THE FACTORY IF THE COOLER WAS ORDERED WITH A TEMPERATURE CONTROLLER
2. V+ IS THE COOLER'S OPERATING VOLTAGE, AS FOUND ON THE COOLER'S LABEL
3. TERMINAL NUMBERS ARE LOCATED ON ONE SIDE OF THE TERMINAL STRIP

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TITLE: STANDARD PRODUCT WIRING GUIDE

DWG. NO.: 3132 DRAWN BY: R. HAGAN

SHEET: 1 OF 1 REV: C ENG. APPROVAL:

SCALE: N/A SIZE: A MFG. APPROVAL: