

TURMOIL

WEST SWANZEY, NH 03469
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INSTALLATION & MAINTENANCE INSTRUCTIONS

CTC-106 TEMPERATURE CONTROLLER

MODEL: DIN FJ32ZU-N-N-106

RANGE: 32° F to 120° F

LINE INPUT VOLTAGE: 85-265 VAC

SENSOR: Thermister, 2252 ohms @ 25° C

OUTPUT: Relay K1; 15 amps max. De-energizes when the sensor temperature exceeds the set point temperature
Relay K2; 15 amps max. De-energizes when the sensor temperature exceeds the second set point temperature.

PROGRAMMING SEQUENCE:

POWER ON:

Upon power up, the process temperature will be displayed. The rightmost character will indicate F to show readout in degrees Fahrenheit (or C for degrees Centigrade if jumper J5 is ON). The control dead-band is fixed at 0.5 degrees F. During normal control operation, the display scrolls between Process Temperature(F or C) and Set point (S) approximately every 5 seconds.

PUSH SET: To enter the SET POINT programming mode or to see the set point setting, push SET once. The display will be indicating the set point temperature of the cooler. The '1' LED will illuminate. Adjust the set point with the up and down arrow keys.

PUSH SET 2nd TIME: To enter the HIGH LIMIT, LOW LIMIT, or HIGH/LOW LIMIT setting, push SET a second time. The '2' LED will illuminate and the display will be indicating the LIMIT DELTA T (the degrees above or below the set point that will indicate fault). Push the UP or DOWN arrows to adjust the LIMIT DELTA T between the limits of 1 and 20 degrees F (1 and 10 degrees C). Temperature Limit Indication is optional and is not provided on all models.

PUSH SET 3rd TIME: This will take you back to the beginning of the programming sequence, alternately displaying process temperature (F or C) and set point (S). If, when in any of the programming modes, no button is pushed for approximately 8 seconds, the controller will automatically return to the beginning of the program sequence.