32764-MP

Digital Thermostat "F"

Multi purpose, compact digital thermostat/controller with isolated relay output
and 3 digit 0.28" Red LED display.
Features: programmable set Points, Cool or Heat control, Hysteresis & Delay Time
Power: 12VDC
Current: ~35mA Relay open/~65mA Relay energized
Temperature Range: -50 to +220deg. F
Refresh rate: 0.5sec.
Resolution: 0.1deg . from -9.99 to +99.9
            1.0deg. for above 100deg. F
Accuracy: Measurement : 0.1deg.
            Control: 0.1deg.
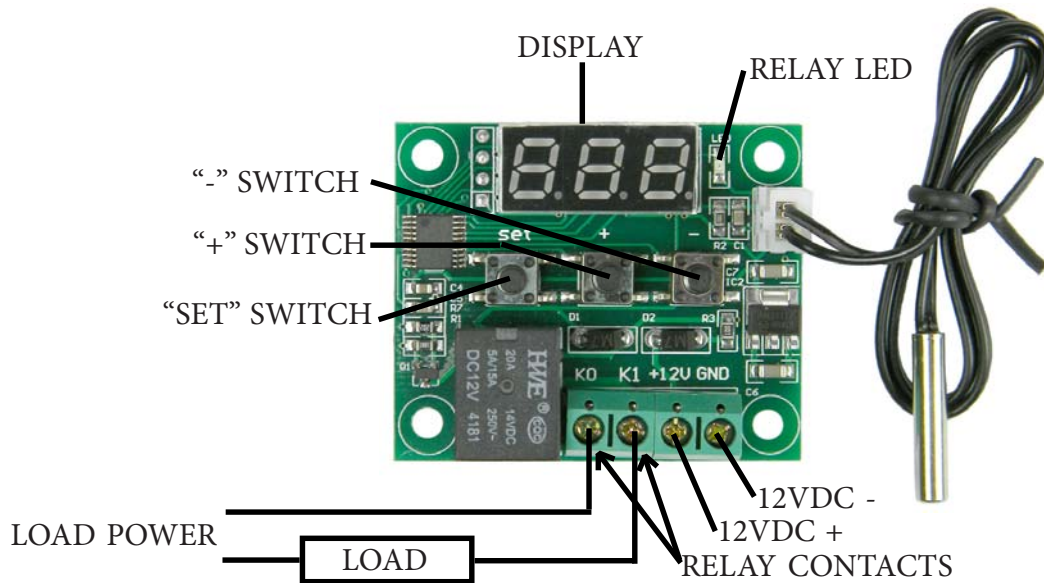**Relay:** SPST-NO 10A/14VDC; 5A/125VAC
Status LED: ON to indicate Relay Closed/OFF to indicate Relay Open
Sensor: Waterproof NTC resistive probe (12" leads)
Ambient Range: -10 to +60deg. C; 20-85% humidity
Terminal Strip for Power & Relay contacts.
L: 1-7/8in.   **W:** 1-9/16in.   **H:** 5/8in.   **WT:** .04

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Operation:

1: Place Controller in desired location along with the probe
2: Connect Load to Controller Relay Contacts (Be sure Load power is off)
3: Connect 12VDC Power Supply to Controller (Display will show ambient temperature)
4: Press SET button momentarly and the display will flash

      Press the + or - buttons to set the desired temperature
      Press SET to confirm setting & Exit

Setting Parameters:

1: Press & hold SET for >5seconds to enter Main Menu

    1.1: Press the + or - to sequence through the Setup P0-P6

        1.1.1: Short press of SET to show present setting
        1.1.2: Press + or - to adjust the settings
        1.1.3: Short press of SET to store & return to Parameter set mode (P0,P1 etc.)
        1.1.4: P6 Mode: Only functions in P0=H Mode

            Enter P6 mode, Press Press + or - to toggle to "ON",
            Press "SET" again to enter adjustment mode, Adjust Alarm Temp. with + or - buttons
            Hold SET for >5sec. or wait >10seconds to return to normal operation

    1.2: Repeat 1.1 steps to set other Parameters
    1.3: When finished Hold SET for >5sec. or wait >10seconds to return to normal operation

Parameter Chart:

Mode	Function	Range	Default	
P0	Heat/Cool	C/H	C	Sets Relay Function On Cool or On Heat
P1	Hystresis	0.1-15deg	2	Sets the the span between ON/OFF
P2	Upper Temp.	220deg	220	Limits the Max. temperature that can be entered in SET Mode
P3	Lower Temp.	-50deg	-50	Limits the Min. temperature that can be entered in SET Mode
P4	Correction	-7 to +7	0	Set Offset due to special circumstances
P5	ON Delay	0-10min.	0	Sets the Delay time after Set temp. is reached before relay is On
P6	High Alarm	0-220	OFF	In P0=H; sets the max limit. Over temp. forces relay Off and
To return Factory Default Value Press & Hold +- when powering up				Displays "---". Returns to Normal operation below set Temp.

LED Display Mode

    Normal: Ambient Temp
    Flashing: Setting
    Shows "LLL" Sensor is Open or disconnected
    Shows "HHH" Temperature is out of range
    Shows "---" High Temperature Protect

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