

W1209WK Digital Thermostat Temperature Control Smart Sensor

To Set Celsius or Fahrenheit:

When not in programming mode, the C/F switches between Celsius and Fahrenheit.

To Set Temperature:

Press SET to enter temperature setting mode. Set temperature will flash. Use the SET and C/F buttons to select the desired temperature (when in temperature setting mode, SET and C/F function as + and -). Temperature selection will automatically confirm after 3 seconds.

To Program:

Press and hold SET for 5 seconds to enter programming mode.

From programming mode, use SET and C/F (+ and -) to navigate parameters P0 through P8.

Once the desired parameter is reached (P0-P8), press SET and C/F at the same time to confirm.

At this time your selection will flash. Use SET and C/F to navigate through your options.

Press SET and C/F at the same time to confirm your choice.

Code	Description	Setting Range	Factory Setting
P0	Heating / cooling	H/C	C
P1	Return difference	0.1-30	2.0
P2	Set upper limit	110	110
P3	Set lower limit	-50	-50
P4	Temperature correction	-15-15	0
P5	Delay start	0-10	0
P6	High temperature alarm	-50-110	
P7	Celsius / Fahrenheit (this can also be done by pressing the C/F button)	CS/FH	CS
P8	Factory reset (this can also be done by holding SET and C/F at the same time for an extended length of time)	ON-OFF	OFF

Example:

I want to use this to control a heat source for an incubator to hatch chicken eggs. I want the temperature to stay between 99.5 and 100 degrees Fahrenheit.

Step 1, Switch to Fahrenheit:

- Press C/F once.

Step 2, Switch to Heating mode:

- Press and hold SET for 5 seconds to enter programming mode.
- From programming mode, use SET and C/F (+ and -) to navigate to P0.
- Press SET and C/F at the same time to confirm. At this time the current selection will flash.
- Use SET and C/F to select H (heat).
- Press SET and C/F at the same time to confirm your choice.

Step 3, Set Return Difference: This determines how much the temperature rises before the heat source is turned off. Setting this at the lowest setting (some units allow a setting of 0) might result in the heat source turning off and on rapidly, running the risk of burning out the heat source prematurely. In this case, I want the heat source to turn on when the temperature falls below 99.5 and turn off when the temperature reaches 100 (Return Difference of 0.5).

- Press and hold SET for 5 seconds to enter programming mode.
- From programming mode, use SET and C/F (+ and -) to navigate to P1.
- Press SET and C/F at the same time to confirm. At this time the current selection will flash.
- Use SET and C/F to select 0.5.
- Press SET and C/F at the same time to confirm your choice.

Step 4, Set temperature to 100:

- Press SET (temperature setting will flash).
- Use the SET and C/F buttons to set display to 100.
- Wait 3 seconds to confirm.