

## AHP5 NEW GENERATION

Pre-installed by Pach and Company Inc. Pach and Company Inc. does not recommend to purchase the AHP5 (New Generation) by itself, since the installation requires a technical knowledge.

### Programming Function

The temperature control only displays in Celsius, see the correlation table below

Celsius to Fahrenheit			
50 °C	122.0 °F	0 °C	32.0 °F
40 °C	104.0 °F	-1 °C	30.2 °F
30 °C	86.0 °F	-2 °C	28.4 °F
20 °C	68.0 °F	-3 °C	26.6 °F
10 °C	50.0 °F	-4 °C	24.8 °F
9 °C	48.2 °F	-5 °C	23.0 °F
8 °C	46.4 °F	-6 °C	21.2 °F
7 °C	44.6 °F	-7 °C	19.4 °F
6 °C	42.8 °F	-8 °C	17.6 °F
5 °C	41.0 °F	-9 °C	15.8 °F
4 °C	39.2 °F	-10 °C	14.0 °F
3 °C	37.4 °F	-20 °C	- 4.0 °F
2 °C	35.6 °F	-30 °C	-22.0 °F
1 °C	33.8 °F	-40 °C	-40.0 °F
0 °C	32.0 °F	-50 °C	-58.0 °F

Celsius to Fahrenheit:  $(^{\circ}\text{C} \times 9/5) + 32 = ^{\circ}\text{F}$  or  $T(^{\circ}\text{C}) \times 1.8 + 32$   
Fahrenheit to Celsius:  $(^{\circ}\text{F} - 32) \times 5/9 = ^{\circ}\text{C}$  or  $[T(^{\circ}\text{F}) - 32] \times 0.5556$

Temperature Control Range: -50 ~ 110°C      Refresh Rate: 0.5 Seconds  
Resolution at -9.9 to 99.9: 0.1°C      Input Power (DC): 12V  
Resolution at all other temperatures: 1°C      Measuring Inputs: NTC (10K 0.5%)  
Measurement Accuracy: 0.1°C      Waterproof Sensor: 0.5M  
Control Accuracy: 0.1°C      Output: 1 Channel Relay Output, Capacity: 10A



Press **SET** and + or - once to adjust desire temperature in Celsius (default 10 degree Celsius)

Press and hold **SET** then + or - to select program below then + and – to change setting:

**P0:** Cooling / Heating; Range: C/H; Default: °C

**P1:** Hysteresis Setting; Range: 0.1-15; Default: 2

**P2:** Highest Setting Limit; Range: 110 °C; Default: 110 °C

**P3:** Lowest setting Limit; Range:-50 °C; Default: -50 °C

**P4:** Temperature Correction; Range:-7~7°C; Default: 0°C

**P5:** Delay Start Time; Range: 0-10 Minute; Default: 0

**P6:** High Temperature Alarm; Range: 0-110 °C; Default: Off

**Press** + and – simultaneously the turn **OFF** and **ON** the **POWER** to reset the thermostat to factory default.