

# SPC User Manual

## 7 Ampere SPC

- Accurate climate control
- Adjustable minimum and maximum engine RPM
- **Max. current: 7A (8A fused)**
- 6 feet cable with temperature sensor included
- Easy installation and usage
- IP54 protection approved (damp-proof)



## 14 Ampere SPC

- Accurate climate control
- Adjustable minimum and maximum engine RPM
- **Max. current: 14A (16A fused)**
- 6 feet cable with temperature sensor included
- Easy installation and usage
- IP54 protection approved (damp-proof)

## 28 Ampere SPC

- Accurate climate control
- Adjustable minimum and maximum engine RPM
- **Max. current: 28A (32A fused)**



- 6 feet cable with temperature sensor included
- Easy installation and usage
- IP54 protection approved (damp-proof)

## Installation:

## PLUG and PLAY

Only authorized personnel are allowed to install the SPC and to take care of technical malfunctions.

After receiving the complete SPC package, please check for damage caused by transport and check the contents of the package. Before installation, please make sure the voltage and frequency settings are correct! (110V/60Hz or 230V/50Hz). Never install the SPC near wet conditions and make sure the power is switched off.

## Usage:

Main switch on "AUTO":

The SPC is now fully automatic. Depending on your configuration, the fans are controlled automatically. After switching on the SPC, the fans will always run at full speed for a few seconds.

Main switch on "0":

The SPC is turned 'OFF'.

Main switch on "100%":

In case of automatic malfunction, use this option in order to run the fans at full speed.

## Set-up:

See backside of this manual for a detailed picture.

- Switch (1) Set minimal ventilation level (f.e. 20%).
- Switch (2) Set maximum ventilation level (f.e. 100%).
- Switch (3) Set ventilation bandwidth. Irrespective to the minimum and maximum settings, getting below 10 % bandwidth is not possible (f.e. 2°C).
- Switch (4) Set desired temperature. When the air temperature exceeds your desired temperature, the fans will automatically adjust their speed.

## SPC 7 Ampere picture:

Fuse

The system uses an 8A 'slow' fuse.



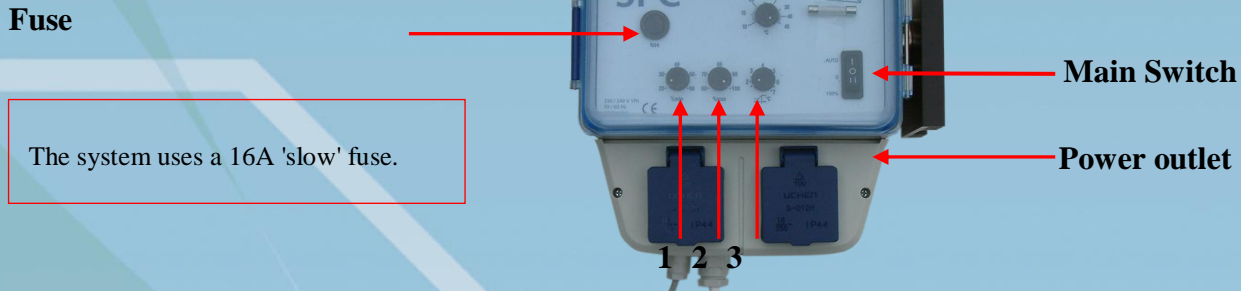
Main Switch

Power outlet

### Technical specifications: 7 Ampere

Adjustable Capacity	max. 8 Ampere	Frequency	50 / 60 Hz
Dynamic range	0,5 – 8,0 Ampere	Temperature sensor	4K7 at 77 °F
Input	110 V	Bandwidth range	33,8 till 44,6 °F

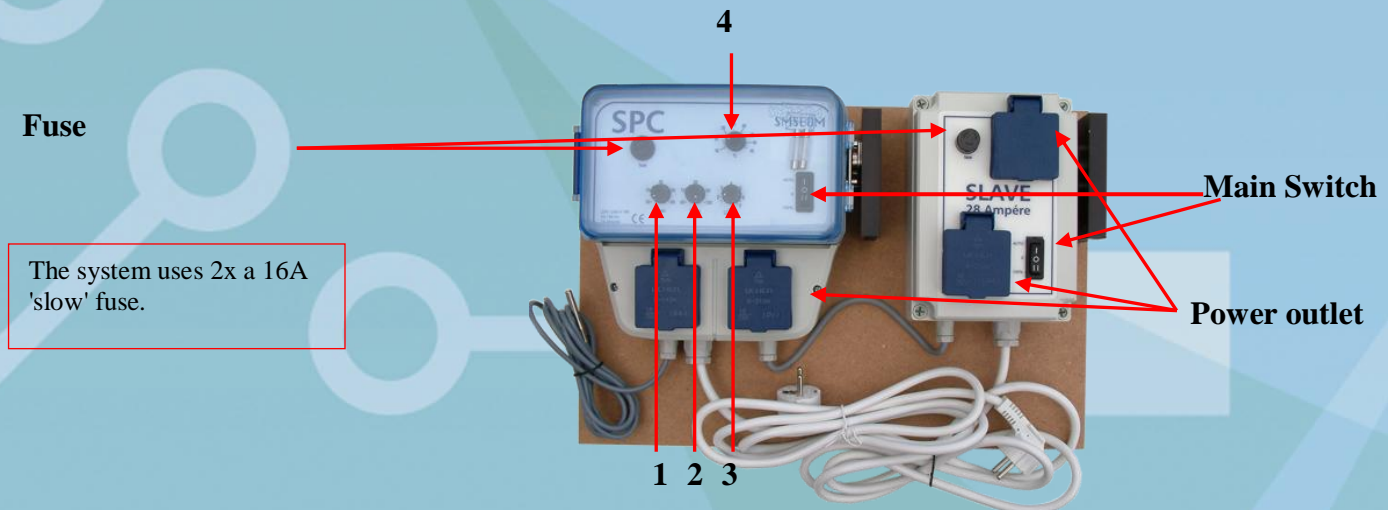
### SPC 14 Ampere picture:



### Technical specifications: 14 Ampere

Adjustable Capacity	max. 16 Ampere	Frequency	50 / 60 Hz
Dynamic range	0,5 – 16,0 Ampere	Temperature sensor	4K7 at 77 °F
Input	110 V	Bandwidth range	33,8 till 44,6 °F

### SPC 28 Ampere picture:



### Technical specifications: 28 Ampere

Adjustable Capacity	2x max.16 Ampere	Frequency	50 / 60 Hz
Dynamic range	2x 0,5 – 16,0 Ampere	Temperature sensor	4K7 at 77 °F
Input	110 V	Bandwidth range	33,8 till 44,6 °F

#### ATTENTION:

Our SPC's are being programmed for most used fans. However, switching the minimal speed down is possible.

For this purpose turn the cal. Min potentiometer (under the socket template on the left hand side).

Turn left for minus and right for plus. Turn down the speed in such a manner that the fan will always keep running. TURNING DOWN ANY MORE WILL INCREASE THE POSSIBILITY OF HUMMING FANS. If the SPC is being switched off through the switch (0-position) and then is restarted, first put the switch on 100% and only afterwards on auto. This is being recommended in order to protect the connected fans.