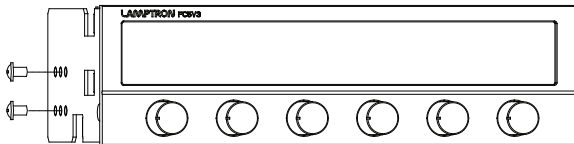# LAMPTRON

Lamptron FC5V3 instruction manual

Thank you for choosing Lamptron. The Lamptron **FC5 V3 controller is optimized for air-cooled systems but it can be used also for liquid cooling.**
The following are the most worthy of your attention FC5 V3 features:

- New wide screen with 16 bright colors: you can choose the backlight among 16 colors simply pressing the first knob on the left.
- 6 independent channels: 6 knobs allow the direct control of the 6 channels and the relative information is constantly displayed on the screen as speed, voltage and temperature.
- 30 W per channel: every channel handles up to 30 W.
- Start boost: the FC5V3 provide an initial 12 V in all the channels in order to make the fans work even if set at the minimum working voltage.
- Alarm function: the alarm function is programmable directly from the interface.
- Sleeved cables: all the wires are wrapped with black high texture "snakeskin" sleeving.
- Cool PCB: as all the recent Lamptron products, the FC5V3 features a black PCB for the electronic circuit.

We recommend that you read the following detailed description of the FC5 V3 usage before putting it into use; the instructions will introduce the new interface and the actions for the configuration of all parameters.
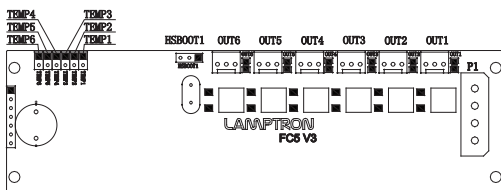
INSTALLATION:

SPECIFICATIONS:

Dimension	148.5mm * 42.5mm * 63mm
LCD Dimension	136mm * 19mm(wide screen)
Power Output	Up to 30 watts per channel
Control Channel	6 Channels
Color Available	Black Anodized/Silver
DC Input	+ 12V(Standard "D" Connector)
DC Output	0V - 12V DC
Connectors	6pcs 3pin connectors

Installation location:

For the FC5V3 drive installation you will need the screws that are included in the bundle of the product. The FC5V3 can be easily installed in the 5.25-inch bay of your PC case. Please, consider setting a good cable management in order to avoid problems.
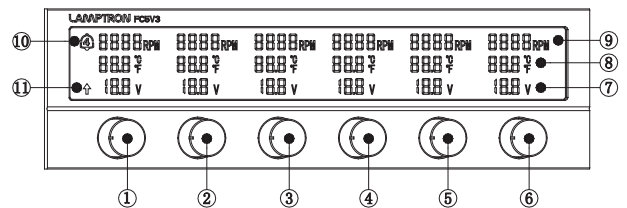
CONNECTIONS:

Instructions:

1. P1: Connect the power supply.
Tip: Be sure to use at least 18AWG wiring specifications.
2. Out1～Out6: channel 1 to channel 6 output interface for the connected load fan. The six interfaces are standard with KF2510 3pin interfaces.
Tip: You can also smooth insertion KF2510 4pin connector.
3. TEMP1 ~ TEMP6: are respectively connected to the P1 ~ P6 corresponding to the temperature sensitive.
Tip: Automatic control of each output channel is provided according to the temperature of the corresponding serial number sense, the corresponding output channel and the corresponding temperature sense connection. P3 channel automatic control will based on Temp3 temperature sensing.
4. HSBOOT1: this jumper enables the start boost function in order to make the fans run also at minimum working voltage.
If the mini-jumper cap is connected, the fans will be start boost mode during the booting phase.

OPERATION:

When the power is switched on, the controller will perform a boot animation showing a demo of the 16 available colors. The 16 display colors will be displayed for the user selection. The factory default color is green.

① ② ③ ④ ⑤ ⑥ Depicted in the image represent the 6 independent output channels; display shows the corresponding speed, temperature, voltage and other data for each channel;

⑦ Represents voltage (V);

⑧ Indicates the temperature, in Fahrenheit degrees (°F) and Celsius degrees (°C) two units of selection; the default parameter is set in Celsius (°C).
Pressing the channel potentiometer longer than 2 seconds, the temperature unit allows switching between (°C) and (°F);

⑨ Represents speed（RPM）;

⑩ Refers to alarm option；Divided into: ⌂ on behalf of the 6-channel full alarm, ④ on behalf of the channel 1 to channel 4 alarm, and icons do not appear on behalf of the police; Three-way display.

⑪ Start boost mode.