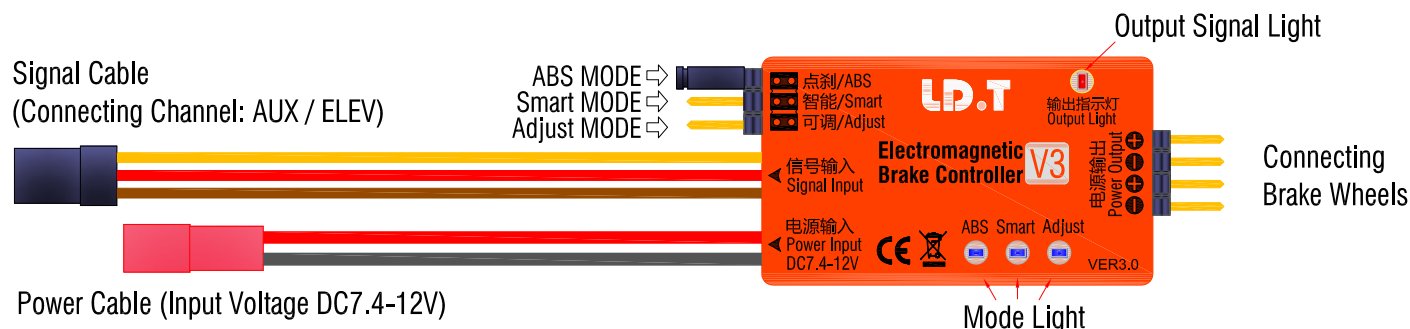
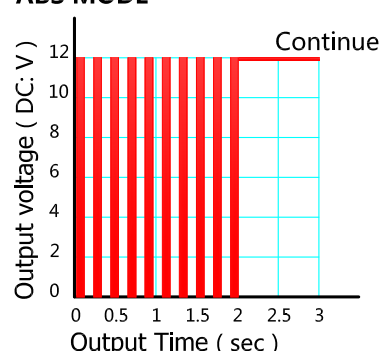


LD.T ELECTROMAGNETIC BRAKE CONTROLLER MANUAL-V3

Mode: EMB-KZQ-V3



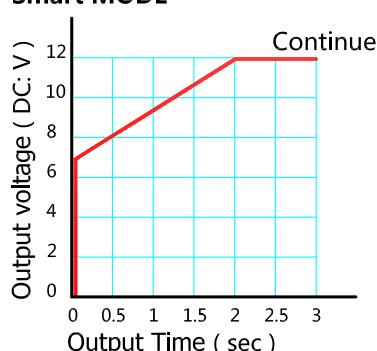
ABS MODE



Work Principle:

The principle of ABS is to quickly tap the brake, the duration is 2 seconds, and then maintain the maximum output.

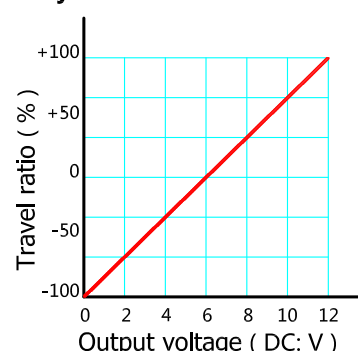
Smart MODE



Work Principle:

The intelligent mode takes 65% of the input voltage as the starting point, automatically rises linearly to the maximum, rises for 2 seconds, and then maintains the maximum output.

Adjust MODE



Work Principle:

The output voltage of the adjust mode varies with the stroke ratio of the control channel, and the higher the stroke ratio, the higher the output voltage.

Note:

- 1.The working principle diagram takes 3S power supply as an example, when 2S power supply, the maximum output voltage is 7.4V, instead of 12V.
- 2.Choose the most suitable mode based on brake wheel strength, aircraft type, aircraft weight, runway conditions and personal operating preferences.

Features:

- "ABS mode" allows the aircraft to brake more smoothly and avoid rollover caused by road slippage.
- "Smart mode" simulates the human brake, Avoid damage to the landing gear caused by the Emergency brake. "Adjust mode" easily adjusts the most suitable braking force depending on the length of the runway, Using ELEV channel control, manual linear braking can be realized.
- Each of the three modes has a blue LED indicator, and the power output is displayed by a red LED.
- Power input has polarity reverse connection protection function, the controller will not be damaged if the input polarity is incorrect.
- The output current limit protection stops the output when it exceeds 4A, preventing the power line from accidentally short-circuiting and damaging the controller and battery.
- Open 60 seconds of inactivity automatically stop the output, to avoid the brake core for a long time working heat and power consumption.
- Power input line adopts JST 2P male head line, and another JST 2P female head line is delivered as an attachment.
- Special distribution of a 3S balance plug-in line, for the use of 4S or above batteries can be directly in the battery balance head to take power.

Specification:

- Input voltage: DC7.4-12V (2-3S lipo)
- Output current: 4A (limited to 4A)
- Power input cable: length 150mm
- Signal input cable: length 200mm
- Size: L48mmxW28mmxH6mm
- Weight: 17g