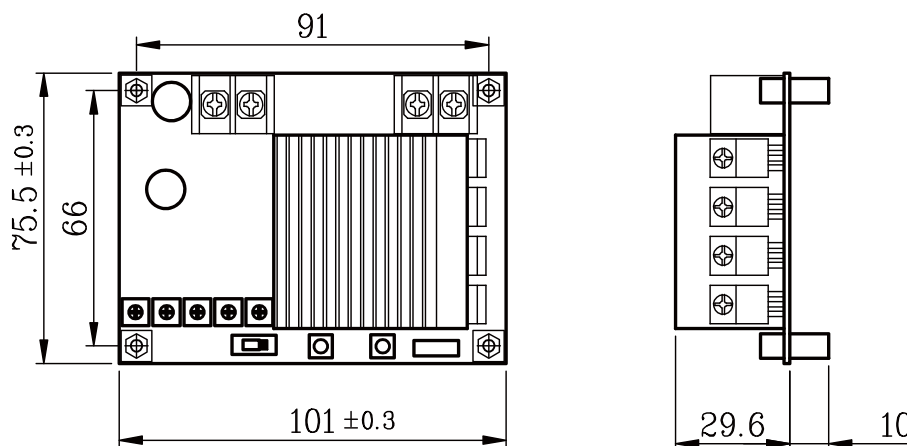


AK 3.0



APPEARANCE SIZE



- Supply Voltage: DC 9V~24V (Power supply and motor terminals voltage can't be over 30V)
- Motor drive current: continuous max. 20A (Driving chip temperature: <math><90^{\circ}\text{C}</math>)
- Control mode: Voltage control PWM frequency 16 KHz duty: 0~100%
- High efficiency Power -MOSFET H-Bridge drive
- The turning speeds and directions can be regulated either with the built -in external VR or instruction set
- External set voltage: DC 2,5V : brake
 - >2,5V : clockwise (cw)
 - <2,5V : counter clockwise (ccw)
- The time for motor start and brake slowly can be 0~2 sec
- Overload protection to be set (speed slow down above limit)
- The set current limit: Over 19A continous 1 ms , motor is separated from supply (it will start only after power off)
- **LED green** : Power on **green and red** : within the torque limit **red**: motor is separated from supply
- Drive free switch
- Ambient temperature: -10°C~+40°C, humidity 35~80% (not condensing)
- When connecting, the chip must be kept cool
- When human health is endangered , it is forbidden.