

Hall-Effect 0-5V Throttle Model: IPPD

Input voltage options: 12V - 36V - 48V - 60V - 72V

Operating current: 5mA

Independent linearity: < 1.5%

Switching signal load: <100 mA (Ohmic)

Operating temperature: -30°C to 85°C

Operating Humidity: < 95%

Storage temperature: -40°C to 85°C

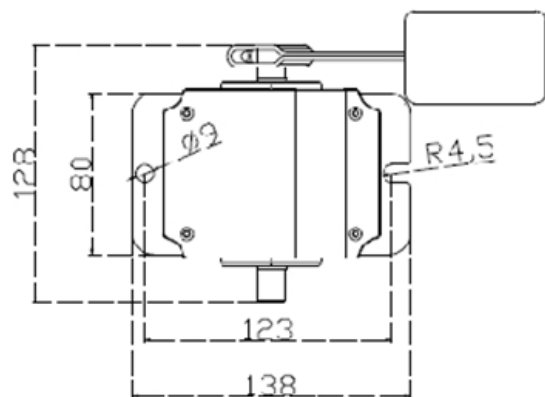
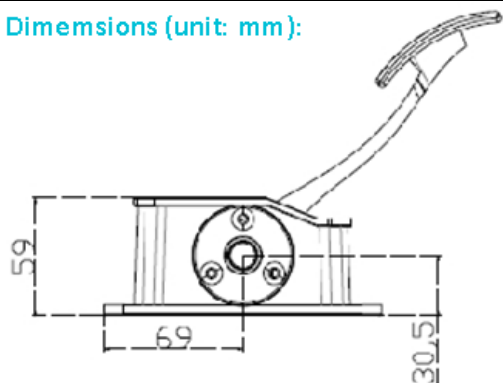
Subject to over 1,000,000 cycles between idle and full throttle



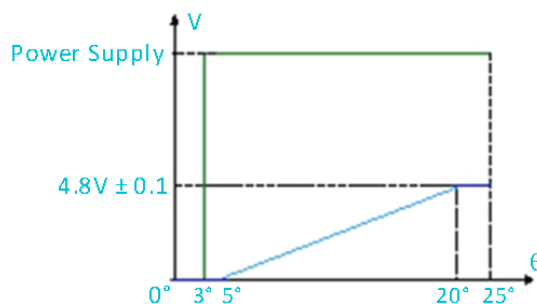
Installation Kit:



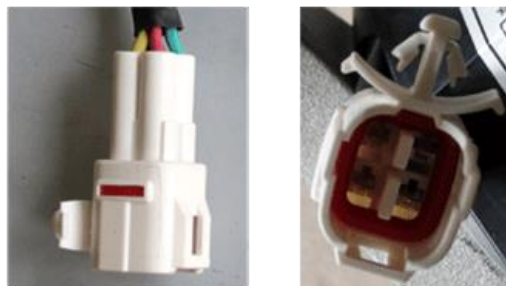
Dimensions (unit: mm):



Throttle is proportional to pedal position:

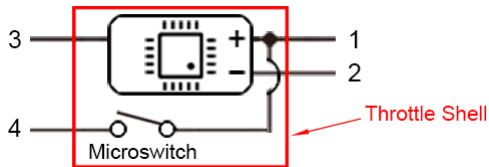


Waterproof Connector:



Wiring Instruction:

Terminal Number	Wiring Function	Wire Color
1	Battery "+" (Electric Source Positive Terminal)	Red
2	Battery "-" (Electric Source Negative Terminal)	Black
3	0-5V Throttle Signal	Green
4	Switch Out	Yellow



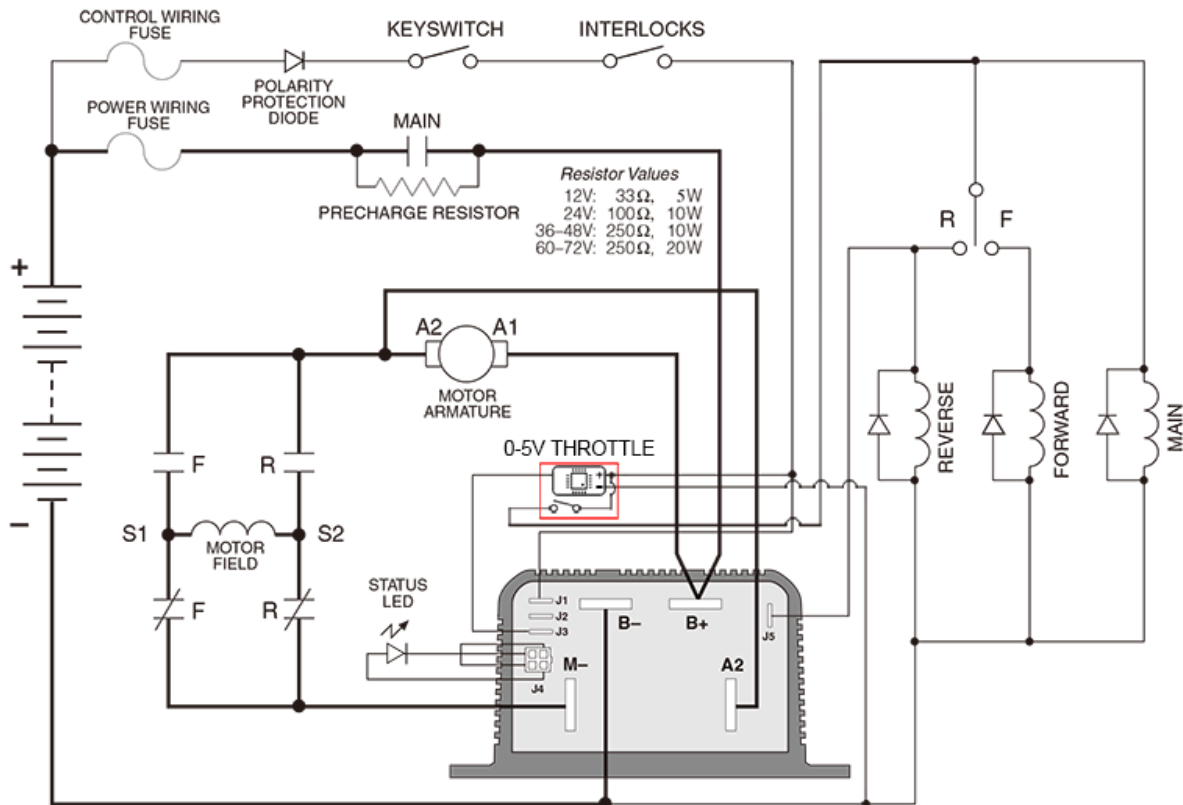
The built-in microswitch is a "limit type" switch which is an electro-mechanical device, detects the position of the rotating shaft of throttle:

- 1) Idle status: switch off (normally open)
- 2) Pedal stepped-down: switch on

The microswitch is useful for redundant safety:

- 1) High pedal lockout to prevent unintentional acceleration
- 2) Switching controller key switch
- 3) Engaging the main contactor

Typical application (CURTIS 1204M / 1205M / 1209M / 1221M controllers):



There are other wiring methods for connecting the IPPD throttle to a motor controller or a 0-5V signal receiver (for example, an electric proportional valve). The throttle switch is designed as an interlock for avoiding the accidental start of motor / engine when the foot pedal is not at neutral position when the power is switched on. For those applications with more security measures, the "Switch Out" wire may be left to be unconnected.