

## 1. Instruction

The Auto Setting Control Pack is capable of controlling the actuator's open/close degree over a resolution of 200:1 by a control signal of 4-20mA dc or 2-10vdc.

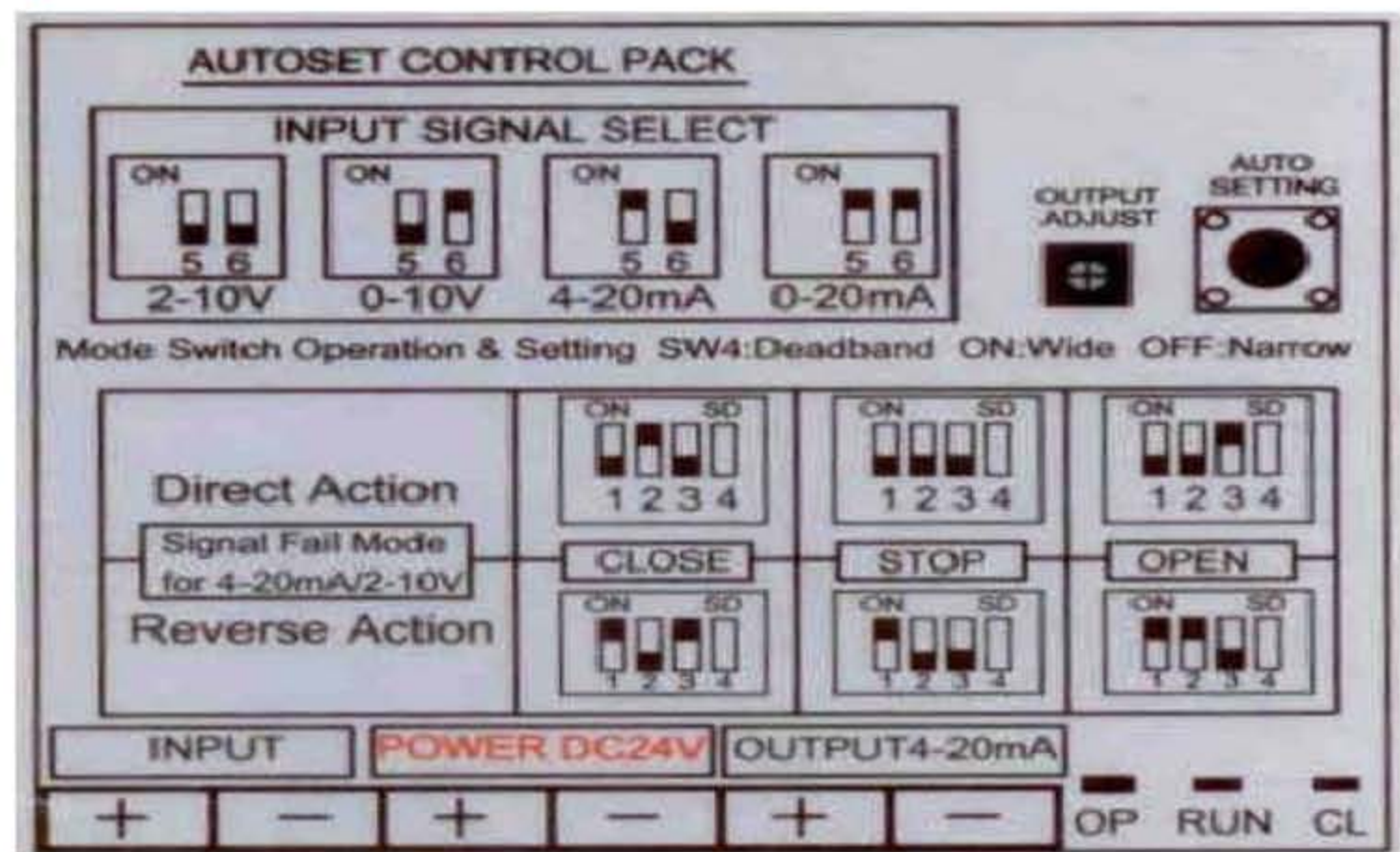
## 2. Features

- Needless adjustment - full automatic setting
- High rangeability of control - over 200:1 resolution
- Additional function
  1. Fail mode (upon control signal loss)
    - Open - fail to open
    - Stop - fail to stop
    - Close -fail to close
  2. Self checking function
    - checking for limit switch
    - checking for pot.
    - checking for motor
  3. electronic brake control
  4. feedback output : 4~20mA±1%DC(RL:250ohm)
  5. small & lightweight

## 3. Electrical Specifications

- Power : 110vac or 220vac 50/60Hz
- Control Signal Input : 4~20mA dc or 2~10vdc
- Output Signal : 4~20mA±1%DC(RL:250ohm)
- Calibration : Auto setting
- Resolution : over 200:1
- Power Consumption : Max 24VDC

## 4. Operation

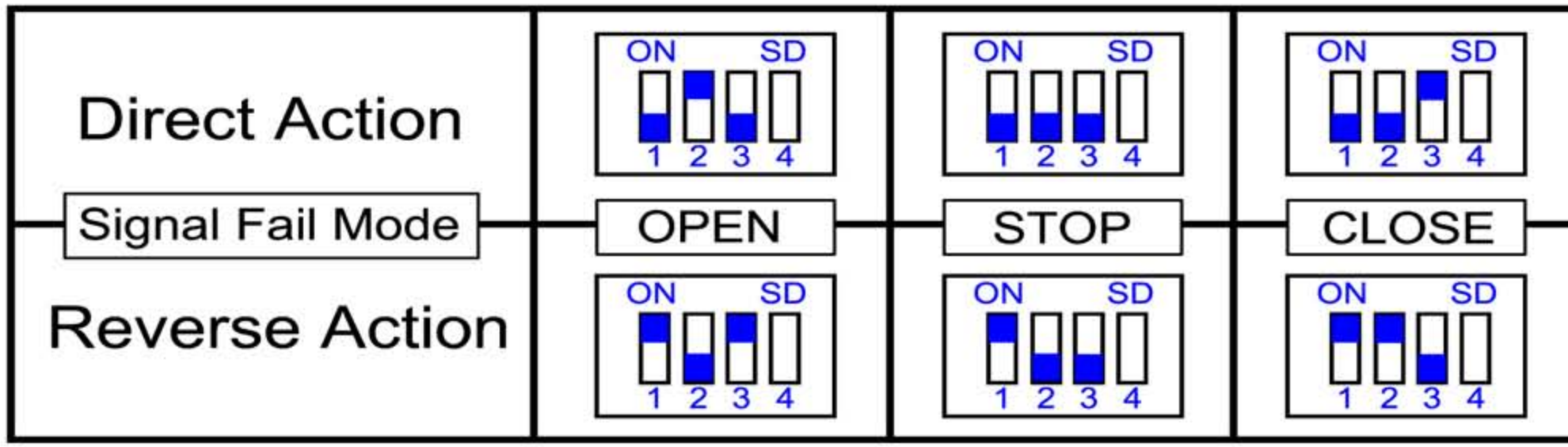


4-Dead Band

- Power : 24VDC
  1. Control Input : 4~20mA dc or 2~10vdc
  2. Power Input : 24VDC
  3. Control Input : 4~20mA±1%(RL:250Ω)
  4. Indicator
    - Green Lamp On - Actuator is Opening
    - Yellow Lamp On - Actuator is Operating
      - Yellow Lamp Flashing Slowly - fully open/closed
      - Yellow Lamp Flashing Quickly - Fail check limit switch,potentiometer,etc.
    - Red Lamp On - Actuator is Closing

5. Auto Setting Switch : Push & hold for over 3 seconds to cycle auto setting. Actuator will find both limit switches and cycle twice.

6. Mode Switch Operation & Setting



7. Output Adjust VR : Sensitive adjustment of "feedback output "

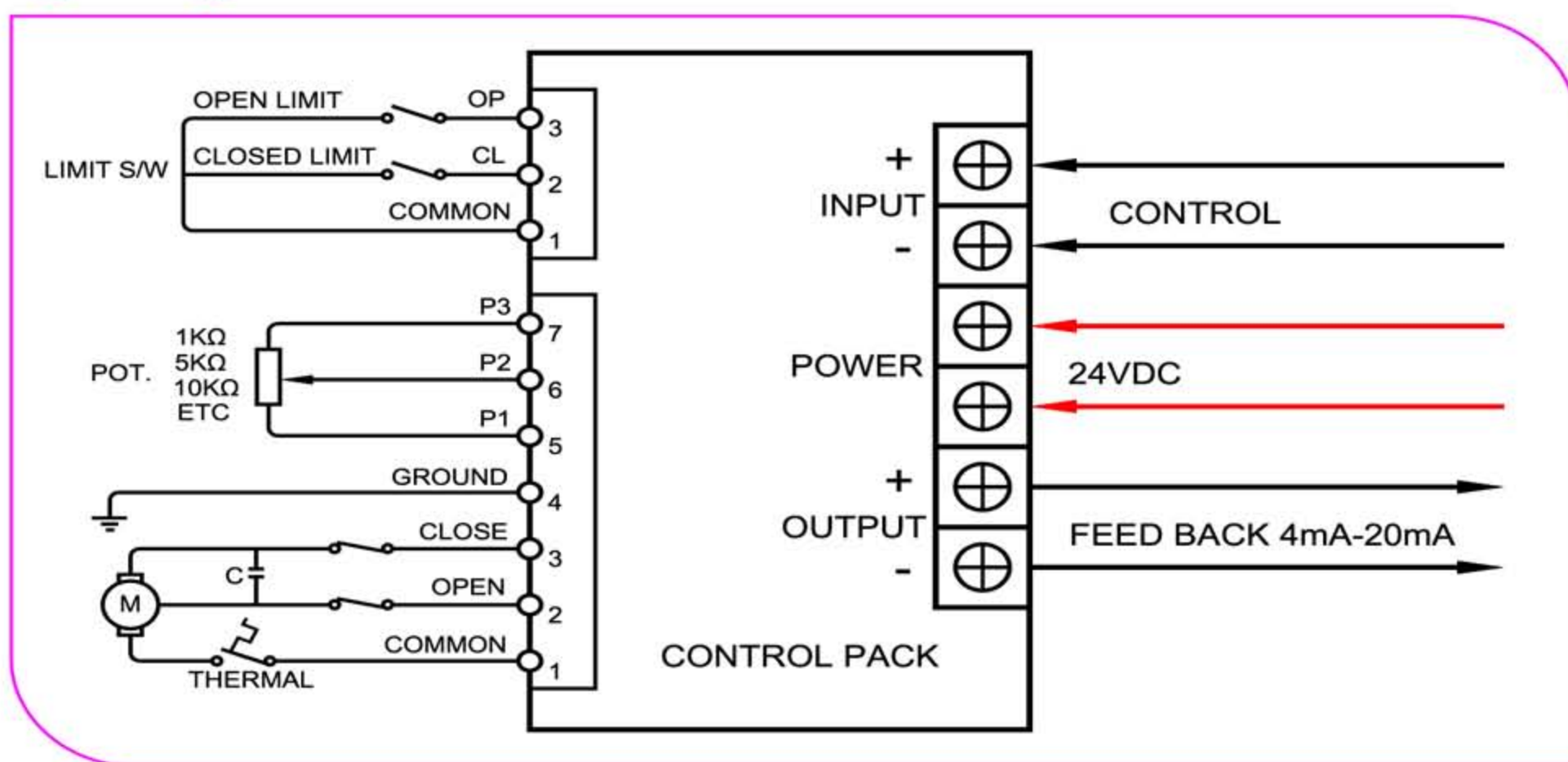
8. Limit switch : input terminal for Digital Limit is Active "A"

- Limit switch common
- Close limit switch
- Open limit switch

9. Motor & Potentiometer

- Motor common
- Open motor
- Close motor
- Ground
- Potentiometer P1
- Potentiometer P2
- Potentiometer P3

## 5. Wiring diagram



## 6 Auto setting & Operating Instructions

- Refer the attached lable on pack and connect wires for Power, Input, Output and Turn On Power.
- Push the Auto Setting Switch and hold for 3 seconds. The run(yellow) lamp will go on solid, and the actuator will cycle open(green) & closed(red) 2 times.
- If there are any errors ,the run(yellow) will flash quickly and for protection of the product and the system is halted. Before clearing the cause of failure, the unit can not be operated . Check for limit switch , potentiometer , motor and other parts as needed.
- After finishing ,input the signal ( 0%,25%,50%,75%,100% ) to ensure the open degree is available . Connect indicator ( current meter ) to Output Terminal to ensure the output current. If the open degree is not satisfied.check the position of Limit Cam and the position degree of potentiometer and retry to set.