1. **Introduction**
The Valtorc 4-20 MA Board is capable of controlling the actuator’s open/close degree 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 functions:
     1. Fail mode (upon control signal loss)
        - Open - fail to open
        - Stop - fail to stop
        - Close - fail to close
     2. Self checking function
        - Check for limit switch
        - Check for potentiometer
        - Check for motor
     3. Electronic brake control
     4. Feedback output: 4 ~ 20mA +/- 1% DC (RL:250ohm)
     5. Small & lightweight

3. **Electrical Specifications**
   - Power: 110VAC/60Hz or 220VAC/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 150W @ 110VAC or 200W @ 220VAC

4. **Operation**

   **Board Label**

   1. Control Input: 4 ~ 20mA or 2 ~ 10vdc
   2. Power Input: 110vac or 220vac 50/60Hz
   3. Control Output: 4 ~ 20mA +/- 1% DV (RL: 250ohms)
   4. Indicator:
      - Green Lamp On - Actuator is Opening
      - Yellow Lamp On - Actuator is Operating
      - Yellow Lamp Flashing - fully open/closed
      - Yellow Lamp Flashing Quickly - Fail check limit switch, potentiometer, etc.
      - Red Lamp On - Actuator is Closing