

Troubleshooting

- **Positioner does not respond to the input signal.**
 - ① Check supply pressure level. The level must be at least 1.4 kgf/cm²
 - ② Check if input signal is properly supplied to the positioned. The signal should be 3–15 psi.
 - ③ Check if the positioner's nozzle has been blocked. Also, check if the pressure is supplied to the positioned and the pressure is being exhausted through the nozzle. If the nozzle has been blocked by any substances, please send the unit to YTC for repair.
 - ④ Check if feedback lever has been installed properly.
- **The pressure of OUT1 reaches exhausting pressure level and does not come back down.**
 - ① Check A / M switch. If the switch has been damaged, replace the switch or pilot relay valve.
 - ② Check for a gap or damages between the nozzle and the flapper. If damaged, please send the unit to YTC for repair.
- **The pressure is exhausted only by A / M switch.**
 - ① Check if the positioner's nozzle has been blocked. Also, check if the pressure is supplied to the positioner and the pressure is being exhausted through the nozzle. If the nozzle has been blocked by any substances, please send the unit to YTC for repair.
- **Hunting occurs.**
 - ① Check if safety spring has been displaced. <Next to pilot relay valve>
 - ② Check if the size of actuator is too small. If so, insert an orifice in order to reduce the pressure flow rate.
 - ③ Check if there is any friction between the valve and the actuator. If so, increase actuator's size or reduce the friction level.
- **Actuator only operates by on / off.**
 - ① Check pipe connection
 - ② Check cam direction
- **Linearity is too low.**
 - ① Check if the feedback lever is properly installed. Especially check if the feedback lever is parallel to the around at 50% point.
 - ② Check if zero and span has been properly adjusted, that is not too low or not too high.
 - ③ Check if supply air pressure level is stable from the regulator. If the level is unstable, replace the regulator.
- **Hysteresis is too low.**
 - ① In case of double acting actuator, check if seat adjustment has been properly done. Please contact YTC for any further inquiries regarding the seat adjustment.
 - ② Backlash can occur when feedback lever and lever spring is loosen. To avoid backlash, adjust the lever spring.
 - ③ Check if the connection bar to the feedback lever is tightly fastened.