

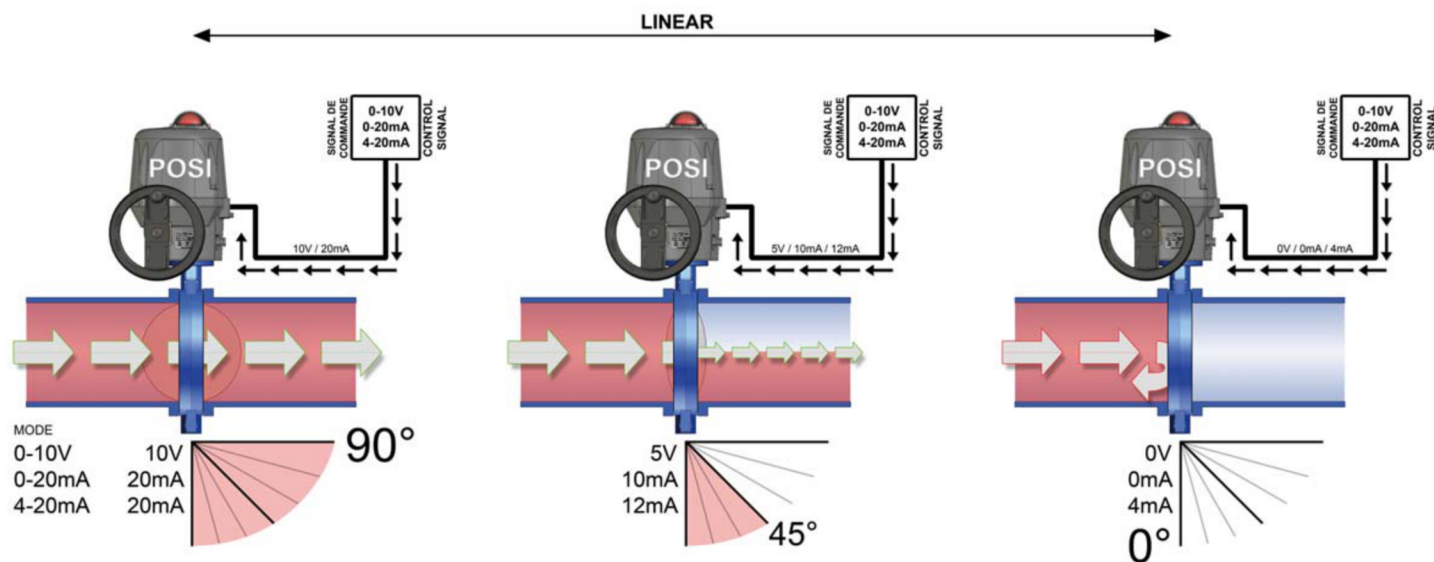
Description

Actuator ATEX series with advanced and friendly positioning solution, allowing the control of a valve with a signal: 0-10V, 4-20mA or 0-20mA. For applications like dosing, modulating, flow control, filling up (increases the accuracy in the last stage), mixing...

Advantages

- All in one: no additional wiring required
- Cost effective
- Microprocessor base
- Secured process (memorization loops)
- Self configurable (0-20mA/4-20mA/0-10V)
- Reversible (exemple : 20-4mA)
- Training mode
- Anti condensation heater
- Electronic torque limiter
- Failure feedback relay
- Rotation up to 180° or 270° (on request)
- Preset from factory

Working principle



Various control types (control signal on terminals N°15 and N°16)

On request, our cards can be set in factory. The consign and the feedback signal can have different forms (current or voltage). Without any information from the customer, the cards are set for current 4-20mA (control + feedback signal).

Control in 0-10V modes:

In case of outside event, absence of control signal (accidental wires cut for example) but in presence of power, the actuator will travel to defined position (open or closed valve).

In standard our actuators will close themselves in absence of control signal but there are other possibilities on request.

Control in 4-20mA mode:

In case of outside event, absence of control signal (accidental wires cut for example) but in presence of power, the actuator will stay in its position.

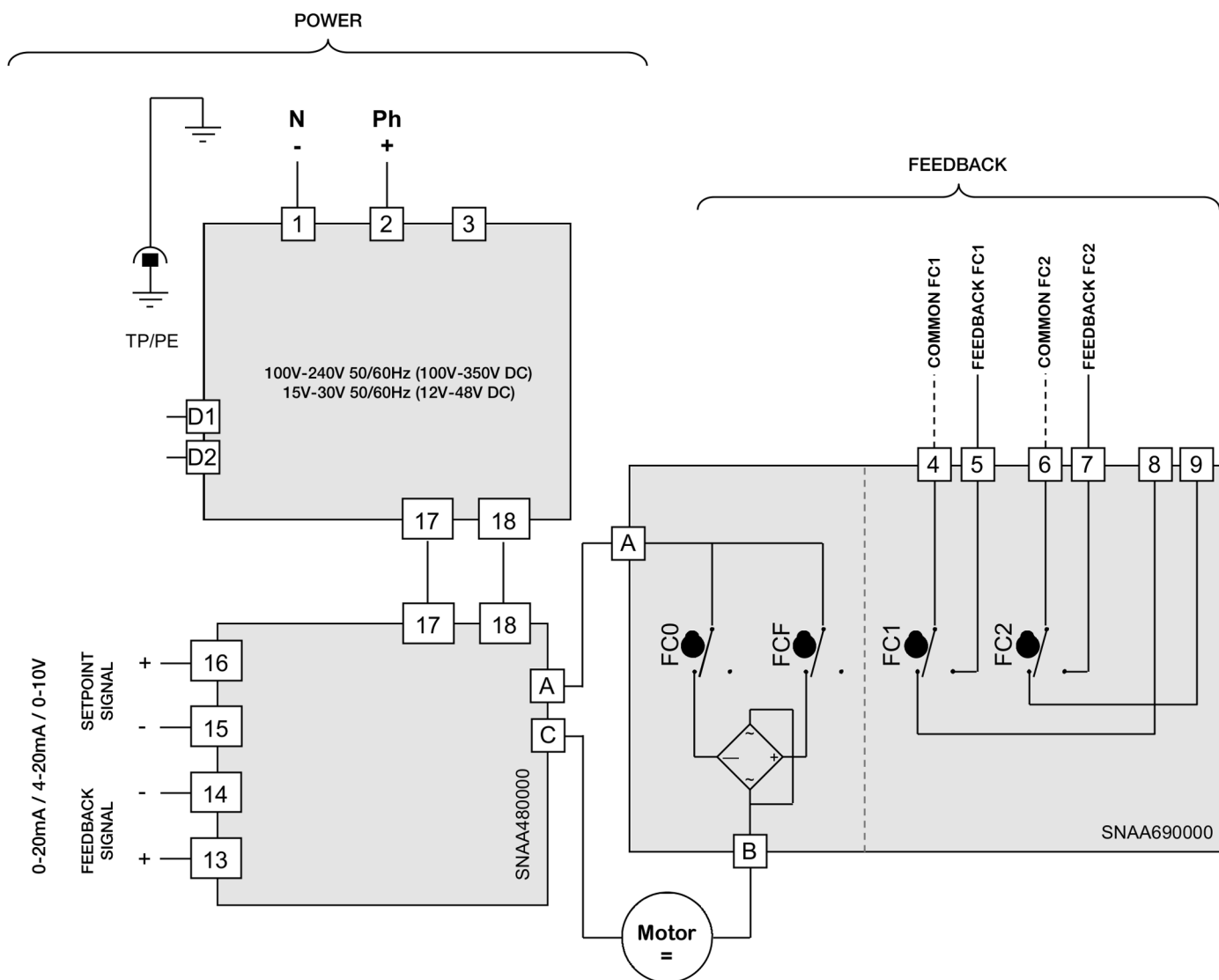
In the both cases, when the control signal is restored, the actuator reach automatically the position corresponding to control signal value.

VRX and VSX POSI range

Code	Star drive nut Connection	Torque	Voltage supplies	Power	Operating time
VRX25.70A.GP5	17 F05/F07	25Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VRX25.70B.GP5	17 F05/F07	25Nm	15V to 30V 50/60Hz (12V to 48V DC)	45W	15s
VRX45.70A.GP5	17 F05/F07	45Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VRX45.70B.GP5	17 F05/F07	45Nm	15V to 30V 50/60Hz (12V to 48V DC)	45W	15s
VRX75.70A.GP5	17 F05/F07	75Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	20s
VRX75.70B.GP5	17 F05/F07	75Nm	15V to 30V 50/60Hz (12V to 48V DC)	45W	20s
VSX100.90A.GP5	22 F07/F10	100Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VSX100.90B.GP5	22 F07/F10	100Nm	15V to 30V 50/60Hz (12V to 48V DC)	45W	15s
VSX150.90A.GP5	22 F07/F10	150Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	30s
VSX150.90B.GP5	22 F07/F10	150Nm	15V to 30V 50/60Hz (12V to 48V DC)	45W	30s
VSX300.90A.GP5	22 F07/F10	300Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	60s
VSX300.90B.GP5	22 F07/F10	300Nm	15V to 30V 50/60Hz (12V to 48V DC)	45W	60s

VRX and VSX POSI actuators electric wiring

Rep.	Designation	Rep.	Designation
FC0	Open limit switch	FC1	Auxiliary limit switch 1
FCF	Close limit switch	FC2	Auxiliary limit switch 2
D1/D2	Failure report Terminal strip (24V DC / 3A max)		



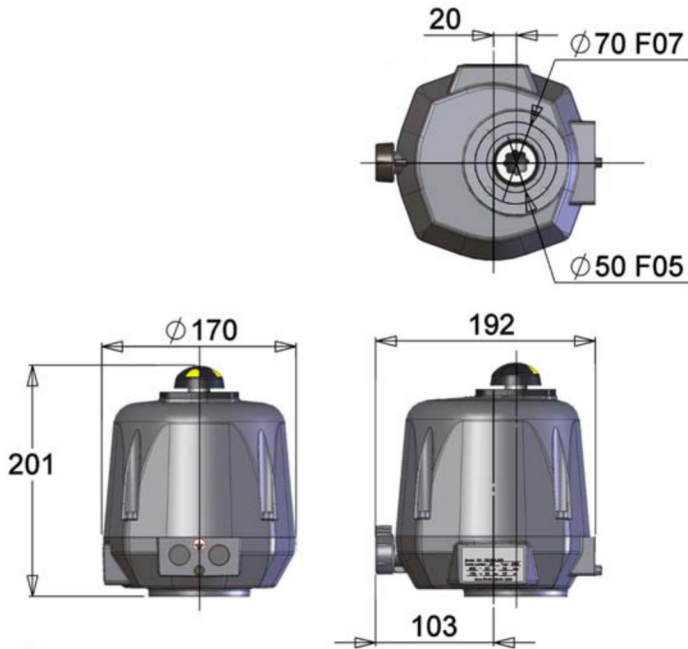
- The card resolution is 1°
- 10 KOhm input impedance if control with voltage (0-10V) / 100 Ohm input impedance if control with current (0-20mA or 4-20mA)



- The terminal temperature can reach 90°C
- The used wires must be rigid (feedback voltages : 4 to 250V AC/DC)
- For a use with a long wiring, the induction current generated by the wires mustn't be higher than 1mA
- La tension de pilotage doit être de type T.B.T.S. (Très Basse Tension de Sécurité)
- No common earth/ground connexion between the control (input and output signal) and the alimentation. (Type 0-20 or 4-20mA : 5V DC max.)

Dimensions

Type : VRX



Type : VSX

