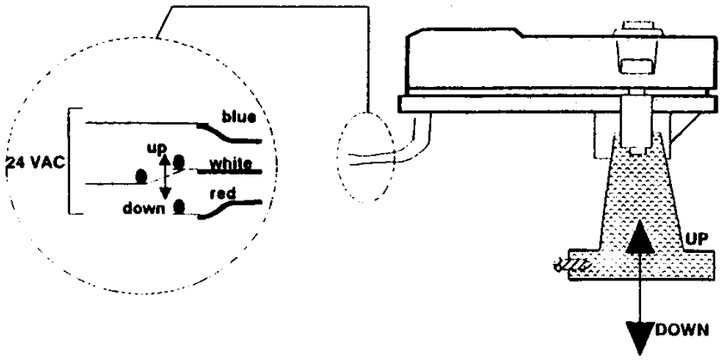
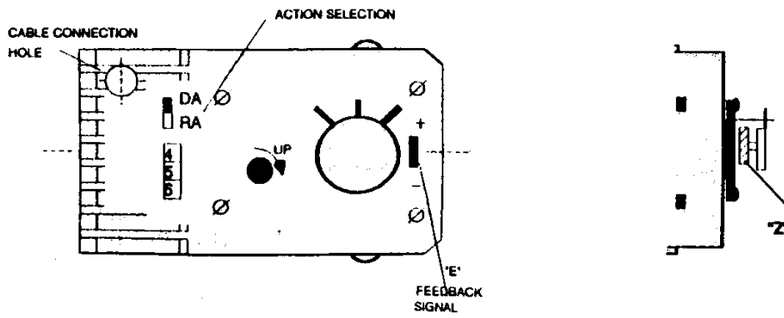
VA-7310 INCREMENTAL CONTROL

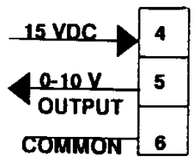


VA-7311 INCREMENTAL CONTROL WITH(0-10)FEEDBACK SIGNAL

-See VA-7310 instructions (basic model) for wiring connections of motor.



ACTUATOR SPINDLE	OUTPUT SIGNAL DA	RA
EXTENDS	INCR.	DECR.
RETRACTS	DECR.	INCR.



USE TRIPOLAR CABLE, MAX. EXTERNAL DIAMETER 6mm
WIRE SECTION 1.5mm² MAX.

- **Adjustments**

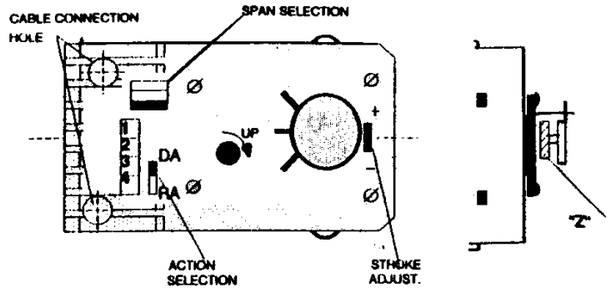
1.Choose DA-RA acting

2.Adjust the initial value of the feedback signal by turning the knob "Z".

3.Adjust the final feedback signal by turning the trimmer "E".

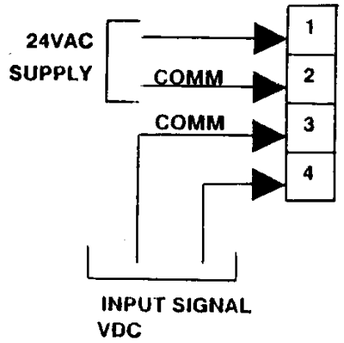
Factory calibration: 1-9 VDC output with 8 mm stroke, DA acting

VA-7312 Proportional Control



INPUT SIGNAL	ACTUATOR DA	SPINDLE RA
INCREASES	EXTENDS	RETRACTS
DECREASES	RETRACTS	EXTENDS

USE 2 BIPOLAR CABLES MAX EXTERNAL
DIAMETER 6 mm
WIRE SECTION 1.5 mm² MAX



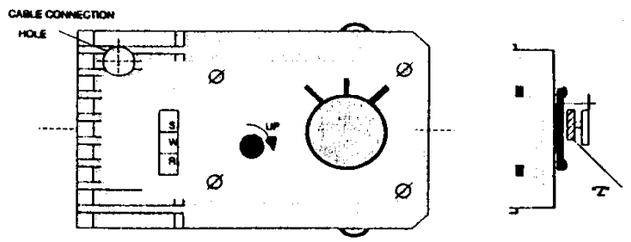
- **Adjustments**

1.Choose DA-RA action
2.Choose SPAN (0-10) (0-5) (5-10) VDC
3.Adjust "zero signal" (start of valve stroke) with knob Z
4.Adjust the value of the end valve stroke signal with trimmer "stroke adjust"

Factory Calibration: span 1-9V - DA acting - 8 mm stroke

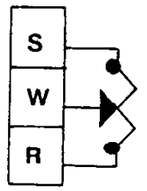
VA-7313 Incremental Control with 2KOhm feedback signal

-See VA-7310 instruction for electrical connections of motor



ACTUATOR SPINDLE	FEEDBACK R-W	W-S
EXTENDS	DECR.	INCR.
RETRACTS	INCR.	DECR.

USE 1 BIPOLAR CABLE MAX. EXTERNAL DIAMETER 6 mm
WIRE SECTION 1.5 mm² MAX.



- **Adjustments**

1.Bring valve into completely up position (retracted actuator sleeve); adjust trimmer with knob "Z" until 20-100 Ohm can be read on the tester between terminal connections W and S

2.Bring valve into completely down position , read resistor value between terminal connections W and S.

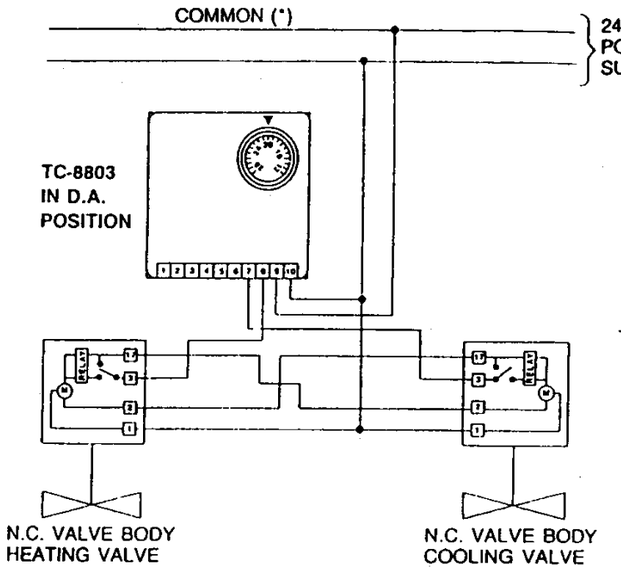
3. Bring valve into centre stroke position, stop when the resistor value (W-S) reaches 50% of the value previously read.

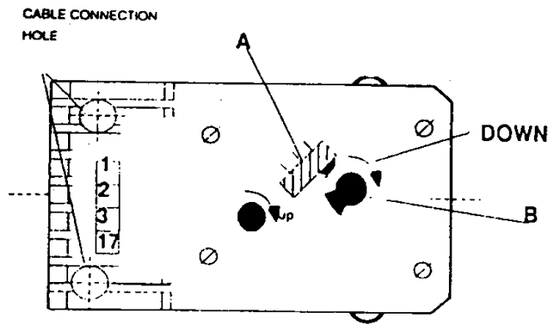
4.Calibrate with "Z" dial in 1000 Ohms position (centre stroke - centre feedback signal)

Factory calibration: the trimmer is factory calibrated at zero Ohms with the actuator completely retracted.

VA-7314 Sequence Control

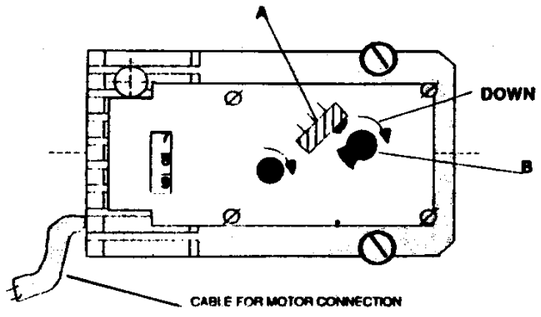
Make sure the common connection wires are respected.
Check that when the valve stem is in the completely up position the "A" switch is "ON" (and, if the case, reposition cam "B") and make sure that, when turned on, the cam disactivates the switch when the stem starts its downward stroke.
Use cable section 1.5 mm² max. External max. dia. 6 mm.

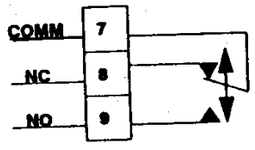




Typical wiring diagram for sequence control

VA-7315 Incremental control with auxiliary switch





See VA-7310 instructions for wiring connections of motor

Regulate cam "B" following desired function and stop in position.

USE CABLE Section 1.5 mm² max External max diam 6mm.

VA-7300 series

Application of VA-731X on valves VB-5X39, VB-7X39, VB-7X49, VG7000

1.Make sure that the sleeve (A) is at approximately half stroke. If necessary turn (B) with a 5 mm hexagonal allen wrench and bring it into position (4 to 5 mm out)

2.Remove protection from valve stem

3.Lift valve stem up completely

4.Holding the actuator slightly at an angle insert clip (C) on the valve stem and block the actuator on the valve body using screw (D), tightening it when collar yoke (E) is well seated against the valve centerpiece.

5.Make all electrical connections according to the instructions for the various models.

For actuators with electronic card,remove cover by pressing and lifting in the position indicated