

KVS regulator

Type: TKVS-1



Function

Regulate the Kvs of the valve. Adjusted flexibly among 30%Kvs~100%Kvs.

Application

Normally, the maximum flow coefficient (Kvs) of the valve is fixed. TKVS-1 regulator can adjust the maximum flow coefficient to change freely from 30%Kvs to 100%Kvs. Thus can save the unnecessary power waste when the valve is working so to be energy-saving and environmental.

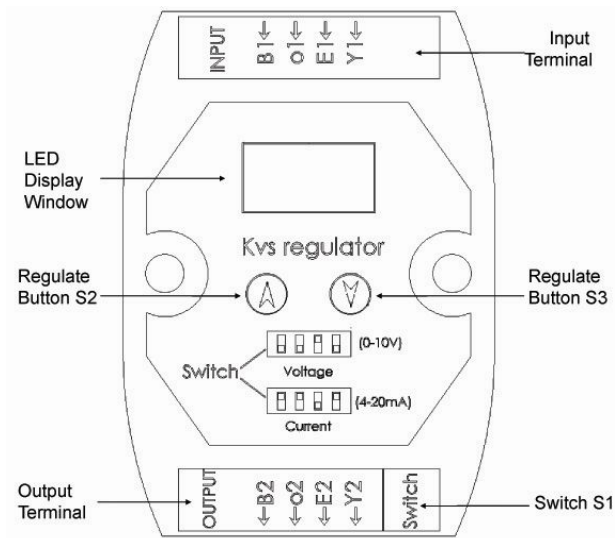
Characteristics

1. Adjustable opening range:30%~100%. E.g.(when input signal is 10VDC, set value is 80%, output signal of the regulator will be $10V \times 80\% = 8V$. Presently, valve lift will reduced to 80% of that before adjusting.)
2. Max opening value setting: Regulated through pressing the button S2 and S3 at the variation value of 1%(30,31,32.....100).
3. LED display: Nixie tube displays the present setted opening value, present value will be recorded when the power of regulator is cut off.
4. Signal transformation between voltage and current: Adjusted by button S1.
5. Delicate appearance, small size, can be installed inside the control cabinet, convenient of connection and long-distance regulating.

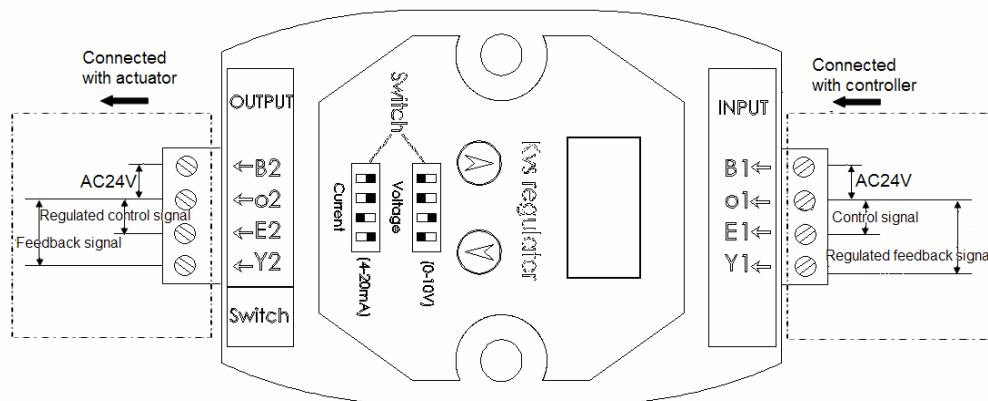
Technical parameters

Power voltage	24VAC \pm 15%, 50/60Hz
Self consumption	appr.1VA
Input signal	0(2)-10VDC, 0(4)-20mA (set by dip switch)
Output signal	0(2)-10VDC, 0(4)-20mA (set by dip switch)
Control model	Proportional control (control proportional type valve)
Regulating range	30%~100%
Conversion output error	$\leq 1\%$
Wiring	terminal
Working environment	Temperature: -30 to + 50 $^{\circ}$ C
	Humidity: $\leq 90\%$ RH
Net weight	Appr. 0.1kg

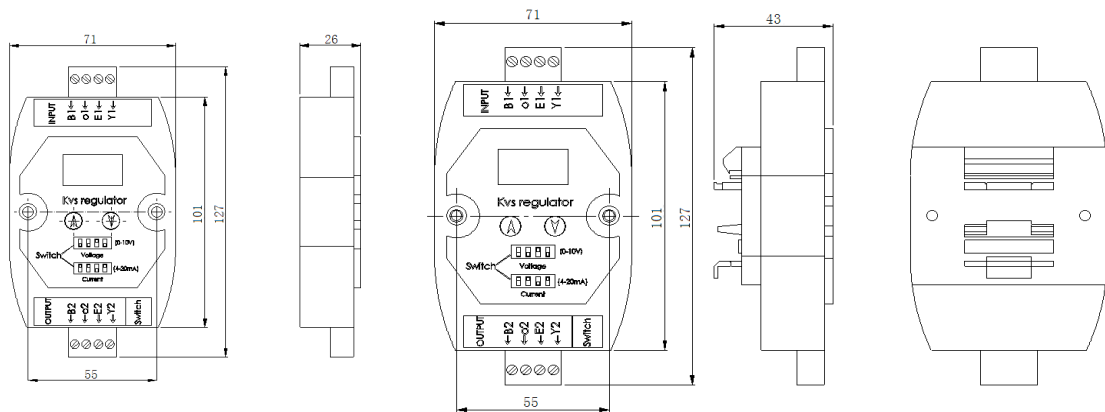
Panel



Wiring



Dimensions



TKVS-1

Baseplate