

Open loop control method driver (AC use)



Features

- Controls a solenoid proportional control valve of a open loop control system to an optimum condition.
- Owing to the constant-current characteristics, the variations of supply voltage and of output current by a solenoid temperature rise rarely happen.
- The output radio wave corrugation (dither frequency , amplitude) is set up so that hysteresis of a solenoid proportional control valve and a resolution power can get the best values.
- Since the current is controlled by PWM(pulse width modulation) method, heat generation from driver is restrained to be the smallest.
- As the function (response time adjusting function) to vary the output current slowly for the variation of step like command input is provided, it enables the oil output to vary in shock-less. (for either build-up or pull-down process, each process can be independently adjusted).

Specifications

Model code	KC-6-10	
Supply voltage	AC100V, AC200V, AC220V(50/60Hz)	
Applied load	Proportional solenoid (DC24V)	
Command input	DC0~5V or 1kΩ potentiometer	
Output current	0~850mA (Mean value indication)	
Power consumption	Max. 32VA	
Input impedance	50 kΩ	
Trimmer adjusting	MIN	0~400 mA or more (at input 0V)
	MAX	850~300 mA or less (at input 5V)
Dither choice	Five kinds (by replacement of internal socket pin)	
Response time	TMU	less than 0.05 ~ more than 3.5 seconds (at max. output)
	TMD	less than 0.05 ~ more than 3.5 seconds (at max. output)
Surrounding temperature	0~55°C	
Surrounding humidity	25~90%RH	
Weight	1.8 kg	

Open loop control method driver (for DC current)



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Specifications

Model code	ZH-6-10	
Supply voltage	DC24V	
Permissible voltage variation	-20~+ 30% (including ripple)	
Applied load	Proportional solenoid (DC12V)	
Command input	DC0~5V or 1kΩ potentiometer	
Output current	0~1700mA (mean value indication)	
Power consumption	Max. 52VA	
Input impedance	72 kΩ	
Trimmer adjusting	MIN	0~600mA or more (Input min.)
	MAX	1700~600mA or less (Input max.)
Dither choice	Four kinds (by replacement of internal socket pin)	
Response time	TMU	0.05~3 seconds or more (at max. output)
	TMD	0.05~3 seconds or more (at max. output)
Surrounding temperature	-20~55°C	
Surrounding humidity	25~95%RH	
Vibration resistant	6.8G (66.6 m/s ²) Total amplitude: 3mm Frequency: 33.3Hz Vertical direction: 4h Front and rear, left and right :2h	
Weight	0.4kg	