

Voltage Regulator Module

KYR Series AC Output



- Single phase voltage regulator module
- Ratings 25A, 40A, 60A, 80A@175-530VAC
- SCR output for heavy industrial loads
- DC control:0-5VDC/4-20mA,0-10VDC/4- 20mA
- Voltage / power output range 0-100%
- LED indication

Product Description

KYR series is the latest voltage regulator module and widely used industrial regulator module, along with the performance of a variety of applications. DC control signal are 0-5VDC, 0-10VDC or 4-20mA, input current is 4-20mA without external power. Output current rate 25A, 40A, 60A, 80A @175-530VAC.

Product Selection

KYR	V	480	L	25	-L
KYR Series	Output Type V: Voltage proportional output P: Power proportional output	Load Voltage 240: 175-265VAC 380: 300-440VAC 480: 300-530VAC	Control Mode L: 0-5VDC; 4-20mA H: 0-10VDC; 4-20mA	Load Current 25: 25Amp 40: 40Amp 60: 60Amp 80: 80Amp	L: LED

Technical Specification

Input Circuit

Control Signal Parameters	L	Voltage Range	0-5VDC
		Input impedance	90kΩ
	H	Voltage Range	0-10VDC
		Input impedance	15kΩ
Current Control			4-20mA
External Power Supply Range			9-24VDC

Output Circuit

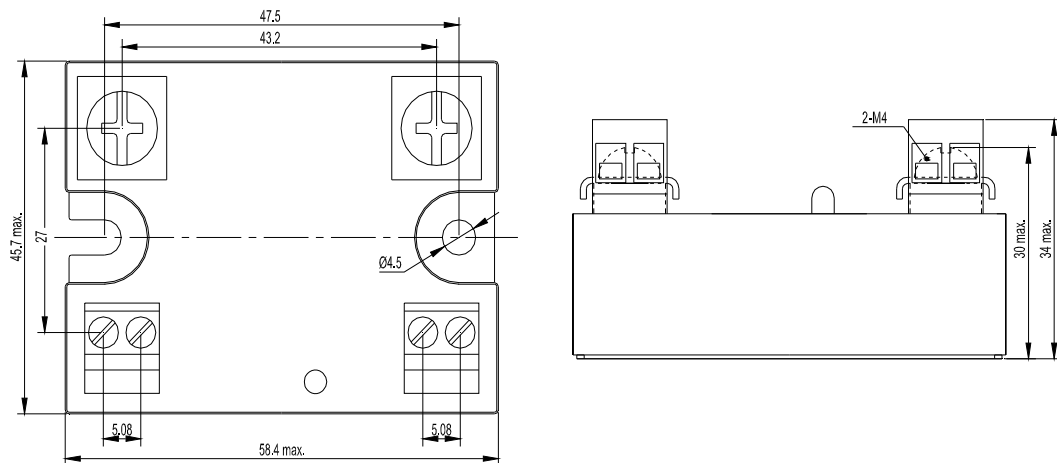
Load Voltage Range	240	175-265VAC
	380	300-440VAC
	480	300-530VAC
Maximum Surge Current [@10ms]	25A	250A
	40A	400A
	60A	600A
	80A	800A
Transient Overvoltage	240	800Vpk
	380	1000Vpk
	480	1200Vpk

Maximum Off-State Leakage Current [@ Rated Voltage]	5mA
Maximum On-State Voltage Drop [@ Rated Current]	1.7Vrms
Minimum Off-State dv/dt [@ Maximum Rated Voltage]	500V/us
General Information	
Dielectric Strength, Input/Output/Base [50/60Hz]	≥4000Vrms / 2500Vrms
Ambient Operating Temperature Range	-30°C ~ +80°C
Ambient Storage Temperature Range	-30°C ~ +100°C
Weight [typical]	112g

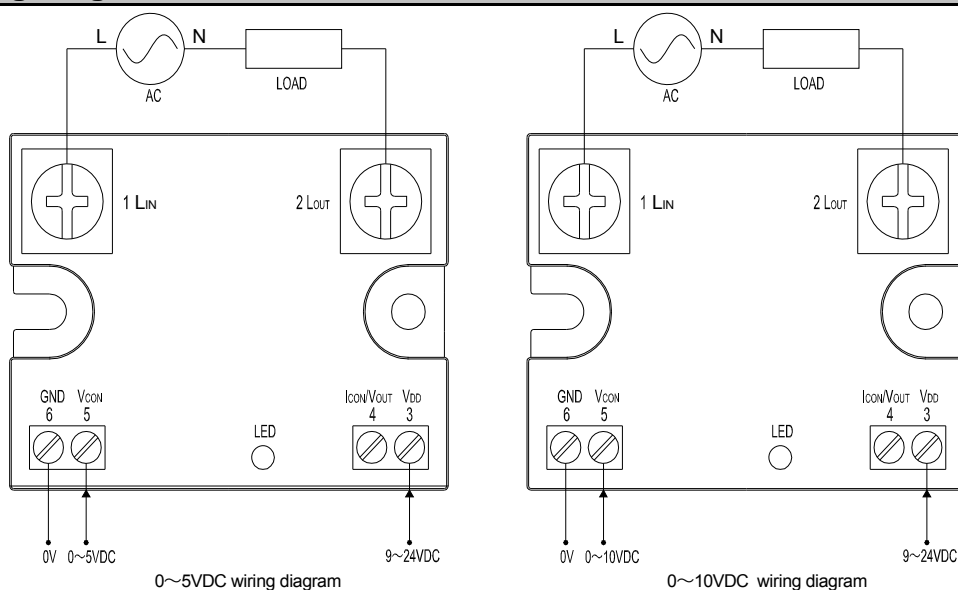
Application

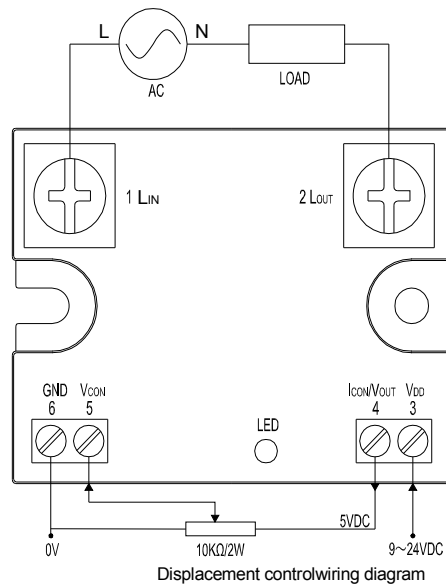
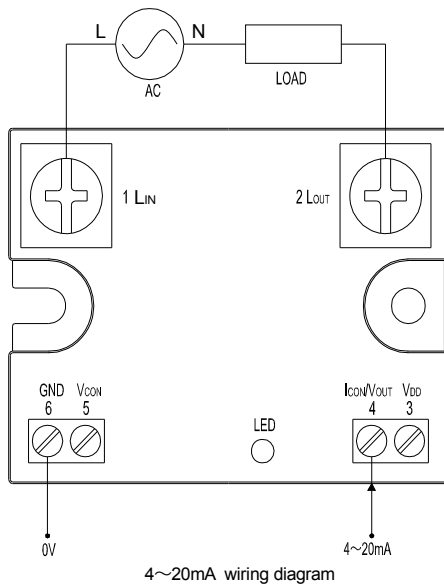
Suitable for high temperature box, plastic machinery, hatching machine, oiling machine, air conditioning, lighting, fountain controller.

Installation

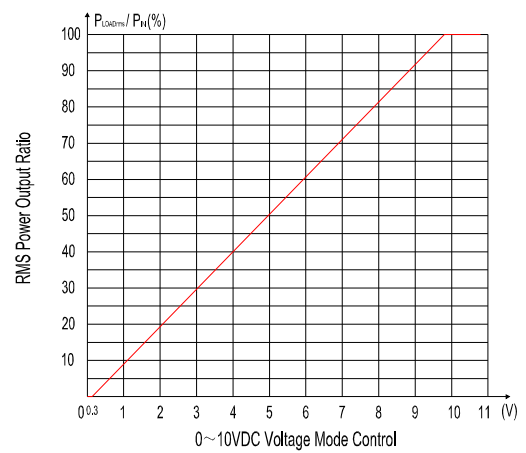
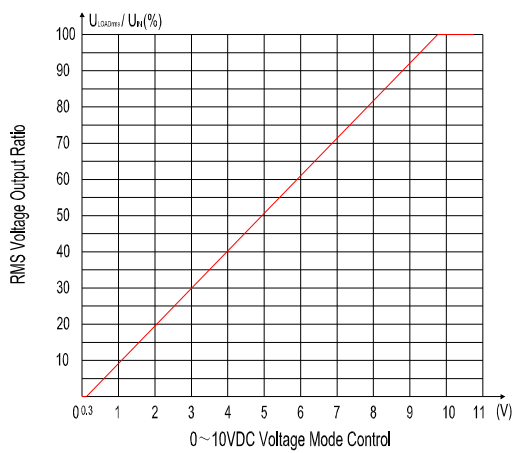
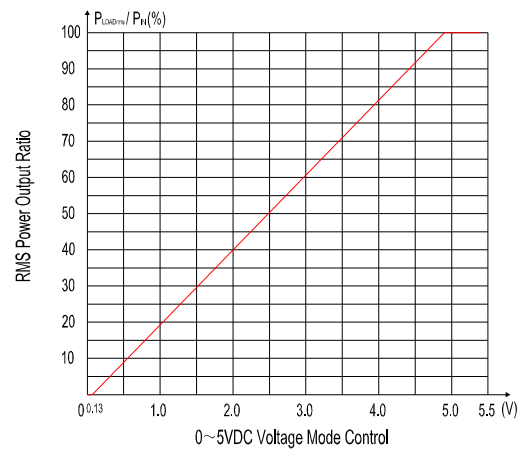
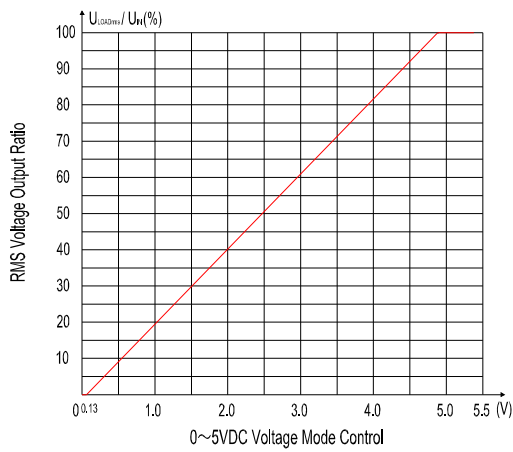


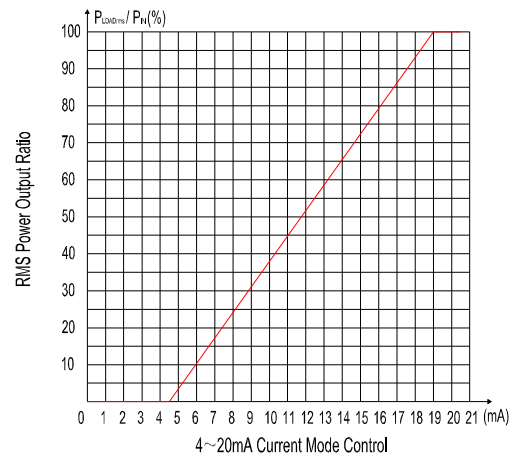
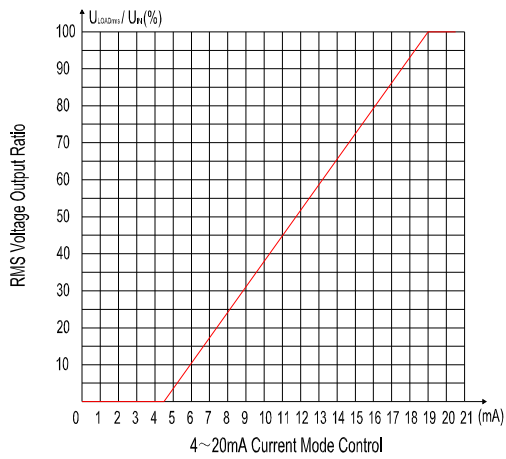
Wiring Diagram



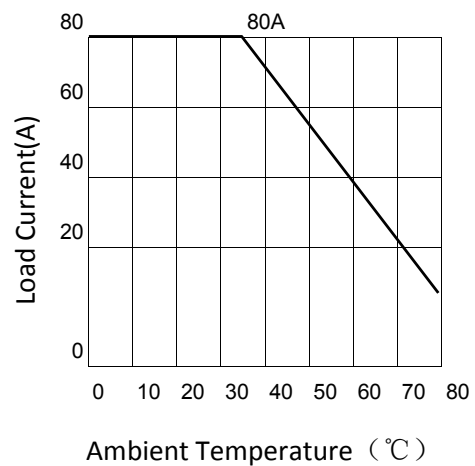
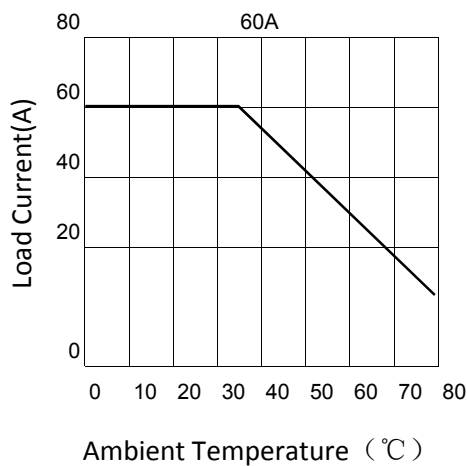
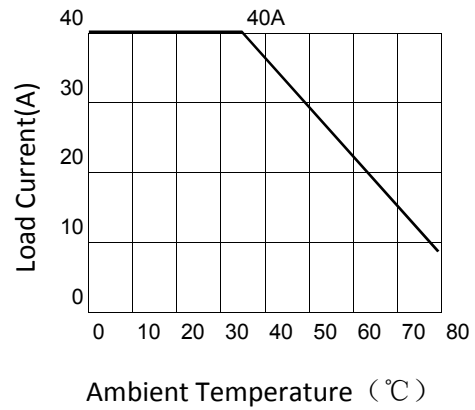
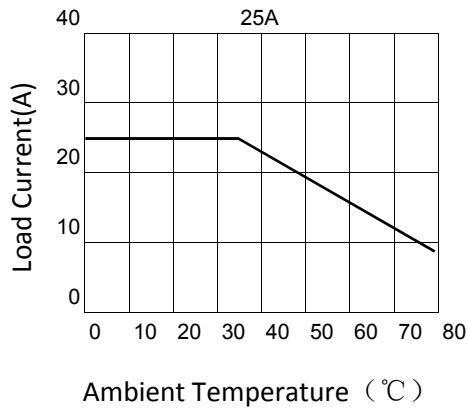


Output / proportional Control Characteristic





Thermal Curve



Important Notice

1. When the ambient temperature is over 40°C or many KSI series are installed closely together, the user should take load discount into account according to the thermal curve.

Product Certification

