

Highly Reliable Thyristor Power Regulator of Handling/Operation

TPR-2N



■ Distinctive Features

- Simple Design
- Control Method Selection (S/W selection)
- Various Installations at Job-Site (Panel, Mounting tracks)
- Semi-Permanent Life Span (No Contact Point Control)
- Soft START of Starting Method

■ Ratings

Power Supply	110 V AC, 220 V AC
Operating Frequency	50 Hz, 60 Hz(common)
Rated Current	25 A, 35 A
Protection Circuit	Protected by high-speed breaking fuse(external attachment)
Applied Load	Resistive Load/ Inductive Load (use as a switch conversion)
Control Input	Input Current: 4 ~ 20 mA DC, Input Voltage: 1 ~ 5 V DC Input Contact Point: ON-OFF, External V, R (10 kΩ)
Control Method (By switch Conversion)	Phase control, Cycle control, ON/OFF control
Starting Method	SOFT START / DOWN
Output Adjusting Range	Above 95% input voltage (when putting maximum of input voltage)
Cooling Method	Natural Cooling
Indicator Function	Output display LED lighting
Insulation Resistance	Above 100 MΩ (at 500 V DC)
Output Range	0 ~ 100 %
Dielectric Strength	2000 V AC at 50/60 Hz for 1 minute
Line Noise	Noise by noise simulator (pulse width 1 μs : ±2 KV)
Operating Ambient temperature	0 ~ 50 °C (with no freezing)
Operating Ambient Humidity	30 ~ 85 % RH
Storage Ambient Temperature	-25 ~ 70 °C
Net Weight	Approx. 960 g

■ Model Name and Suffix Code Structure

Model Name	Suffix Code	Description
TPR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Thyristor Power Regulator
Phase	2N	Single Phase
Power Supply	110	110 V AC 50/60 Hz
	220	220 V AC 50/60 Hz
Rated Current	25	25 A
	35	35 A

※Control Method: Phase control (factory default)