



# TPR-2N Single phase power regulator

25A 35A 50A 70A



## Feature

- Various input signals
- Compact, simple installation
- Selection of Phase control, cycle control, ON / OFF control by dip switch



### ■ Specification

● TPR-2N (25 A / 35 A)

Power supply voltage	110 V a.c. / 220 V a.c. / 380 V a.c.
Operating Frequency	50 / 60 Hz (Dual usage)
Rated Current	25 A, 35 A
Protection Circuit	Protected by fast acting fuse (external attachment)
Applied Load	Resistive Load/ Inductive Load
Control Input	Input Current : 4 – 20 mA d.c. , Input Voltage : 1 – 5 V d.c. Input Contact Point : ON – OFF, External V. R (10 kΩ)
Control Method	Phase control, Cycle control, ON/OFF control (selected by dip switch)
Movement type	Soft start / Soft down (Time : 0 ~ 50 sec)
Output Adjusting Range	Above 95 % input voltage (when putting maximum of input voltage)
Cooling Method	Natural Cooling
Indicator Function	LED lighting for output status
Insulation Resistance	100 MΩ min (500 V d.c. mega standard)
Output Range	0 ~ 100 %
Dielectric Strength	2000 V a.c. at 50/60 Hz for 1 minute
Line Noise	Noise by noise simulator (pulse width 1 μs : ±2 kV)
Ambient temperature	0 ~ 50 °C (Without condensation)
Ambient Humidity	30 ~ 85 % R.H.
Storage Temperature	-25 ~ 70 °C
Weight	Approx. 960 g

● TPR-2N (50 A / 70 A)

Power supply voltage	110 V a.c. / 220 V a.c. / 380 V a.c. / 440 V a.c.	
Operating Frequency	50 / 60 Hz (Dual usage)	
Rated Current	50 A, 70 A	
Protection Circuit	Resistance load / inductive load (Select by conversion switch)	
Control Input	Current input	4 – 20 mA d.c.
	Voltage input	1 – 5 V d.c. / 0 – 10 V d.c. (Option)
	Contact input	ON / OFF
	External V.R	External volume (10 kΩ)
Control method	Phase control, Cycle control, ON/OFF control (switch selection)	
Starting method	Soft start / Soft down	
Output adjusting range	Above 95 % of input voltage (when applying max current input)	
Cooling method	50 A(Natural cooling), 70 A (Forced cooling)	
Indicating method	LED indication for output status	
Insulation Resistance	Min. 100 MΩ (500 V d.c. Mega standard)	
Output adjusting range	0 ~ 100 %	
Dielectric Strength	2000 V a.c. at 50/60 Hz for 1 minute	
Line noise	Noise by noise simulator (2 kV)	
Ambient temperature	0 ~ 50 °C (Without condensation)	
Ambient humidity	30 ~ 85 % RH	
Storage temperature	-25 ~ 70 °C	
Weight	Approx. 2 kg	

### ■ Suffix code

● TPR-2N (25 A / 35 A)

Model	Code	Description
TPR-2N	<input type="checkbox"/> <input type="checkbox"/>	1-phase power regulator
Power supply voltage	110	110 V a.c. 50/60 Hz
	220	220 V a.c. 50/60 Hz
	380	380 V a.c. 50/60 Hz
Rated current	25	25 A
	35	35 A

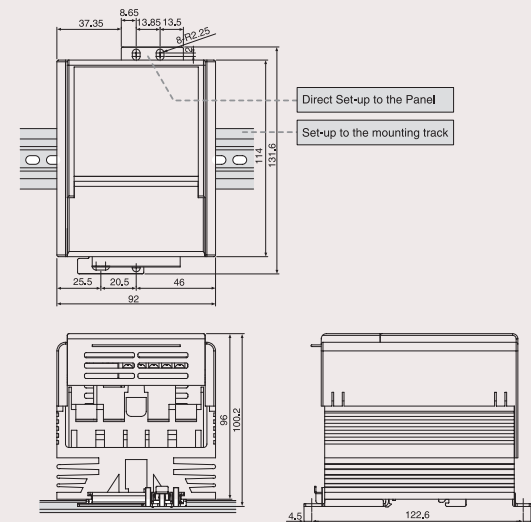
※ Control Method : Phase control (factory default)

● TPR-2N (50 A / 70 A)

Model	Code	Description
TPR-2N	<input type="checkbox"/> <input type="checkbox"/>	1-phase power regulator
Power supply voltage	110	110 V a.c.
	220	220 V a.c.
	380	380 V a.c.
	440	440 V a.c.
Rated current	50	50 A
	70	70 A

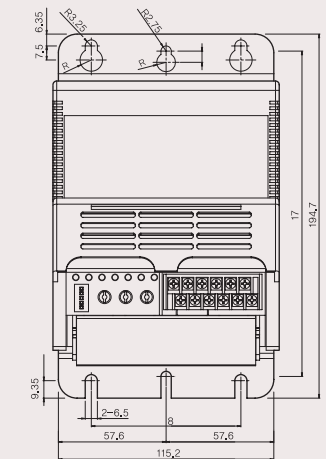
### ■ Appearance

● TPR-2N (25 A / 35 A)



	W	H	D
25 A, 35 A	92 mm	100 mm	131 mm

● TPR-2N (50 A / 70 A)



	W	H	D
50 A, 70 A	115.2 mm	194.7 mm	131 mm