



Features:

- Three phase SCR power regulator
- Supports 0-10Vdc, 4-20mA, 0-5Vdc, Potentiometer input
- Swith between different inputs by connecting with different terminals
- Load amps, 10~200 amps
- Load 380Vac +/- 18%
- Panel mount
- Phase angled control
- All models with the same physical size
- Input selectable from the terminals
 - Black housing
 - Terminal type
 - Compact size
 - Built-in RC Snubber circuit for greater protection
 - Suitable for resistive load or inductive load to some extent
 - Flame retardant expoy sealed, fire retardant ABS housing
 - Contactless and sparkless control effect

Technical Specifications

Ordering Information

MS	1	2	3	4	5
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1: Three phase

3	Three phase SCR power regulator
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2: Type of device

VD	SCR power regulator also known as voltage regulator
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3: load voltage

38	24~380Vac +/- 18%
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4: Load amps

10	10 amps
25	25 amps
40	40 amps
60	60 amps
80	80 amps
100	100 amps
120	120 amps
200	200 amps

5: Input configuration

C	0-10Vdc, 4-20mA, 0-5Vdc, Potentiometer switch between different inputs by connecting with different terminals
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eg: MS-3VD3840C, three phase SCR power regulator, 40 amps

Guidelines on the selection and usage of this 3 phase SCR

- 1) Current rating, as a general rule consider using the relay at no more than **50%** of its rated current for resistive load such as a heater, considering using the relay at no more than **10%** of its rated current for inductive load, some customers has been using this item for motor speed control
- 2) **Heatsinks** must always be installed together with the SSR regardless of the load amps, natural convection cooling might be sufficient in some cases depends on the site situation, force air cooling must be taken into consideration under harsh conditions(contact our sales team for more info)
- 3) Fast fuse must be installed in the system to protect overload on the SSR
- 4) Silicon rubber pad or silicon compound must be applied to the bottom of the SCR to help the heat radiation
- 5) Our SCR is **380**Vac load type with 18% deviation

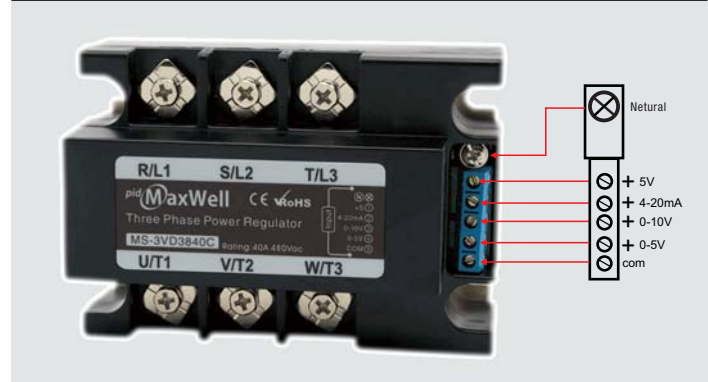
Electrical Technical Features

Operating Voltage [VAC]	200-440Vac
Load current	>0.25 <40 amps
Frequency range	47-63Hz
Voltage drop at the output	<1.5V
Actual input effective range(0-5V)	0.9-4.7Vdc
Actual input effective range(0-10V)	1.7-9.5Vdc
Actual input effective range(4-20mA)	5mA-19.2mA
Dielectric Strength , Input-Output (50/60Hz)	2500V AC 1 minute
Ambient Operating Temperature Range	-20°C~+60°C
Ambient Storage Temperature Range	-20°C~+70°C
Heat generation continous/ampere load	1.2-1.5 Watt/A
Weight	0.6 kg

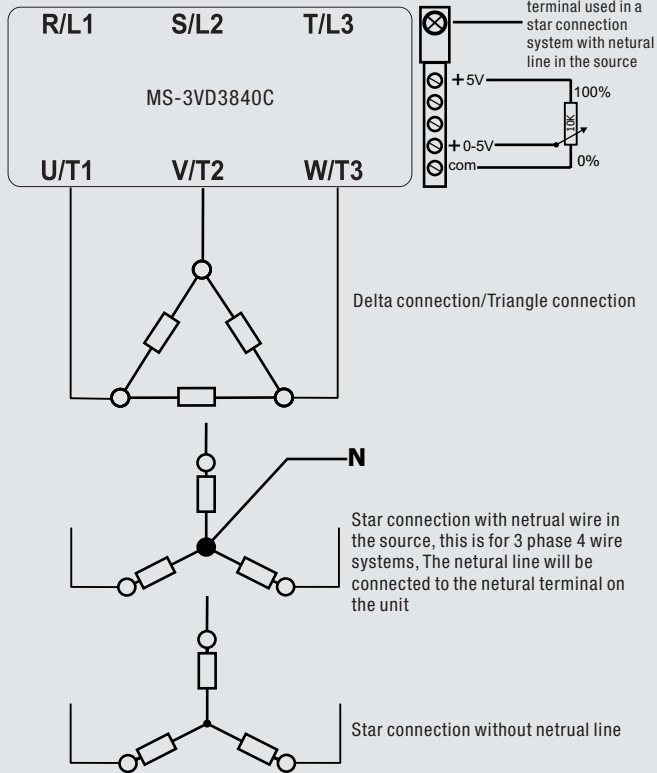
Size and dimensions



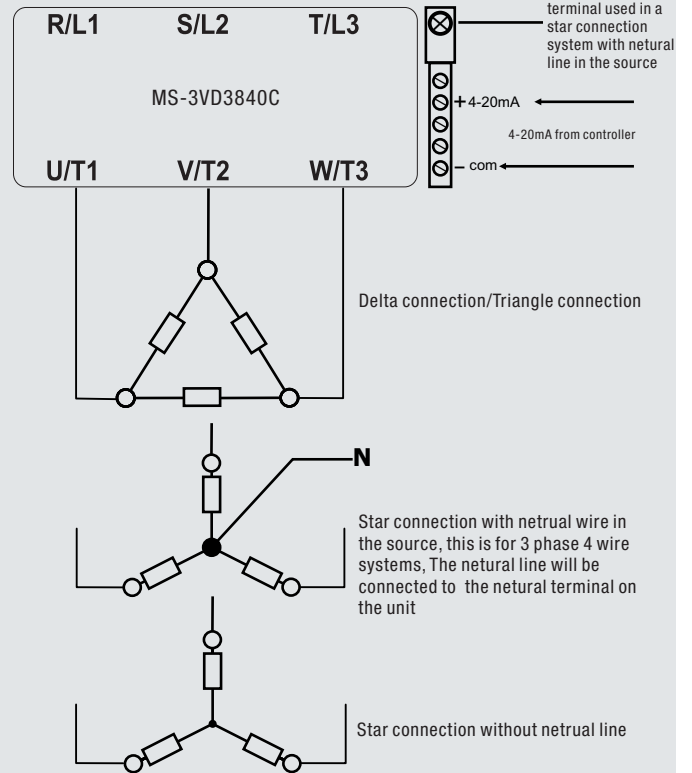
Connection diagram



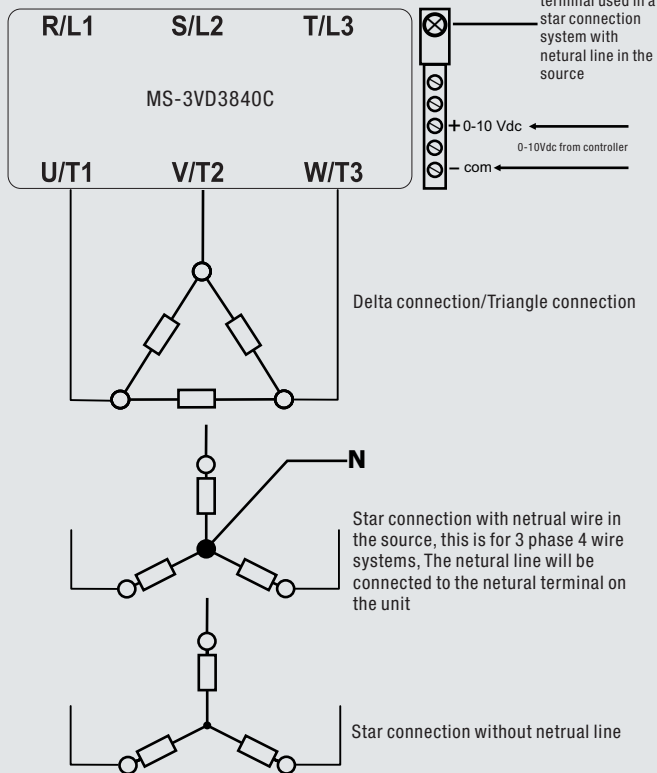
Potentiometer input



4-20mA input



0-10VDC input



Note: Please follow the guidelines on our heatsink and cooling fans for a proper heatsink and cooling fans, accessories will be sold separately