



Models Available

- WYPM1C** PCB Mounting 240Vac SSR
- WYG1C** Chassis Mounting 240Vac SSR
- WYH1C** Chassis Mounting 460Vac SSR
- WY3G3C** Chassis Mounting 3 Phase SSR

Product Features

- PCB or chassis mounting
- Single phase or three phase
- 4 to 32Vdc or 90 to 240Vac powered
- 3A, 10A, 20A, 30A or 40A versions
- Reverse input protection
- Integral snubber network

Solid State Relays

The Tempatron WY series solid state relays are available in pcb mounting or chassis mounting versions and are suitable for switching a wide range of loads with low noise and a long operating life.

Single phase and three phase versions are available, with current ratings from 3 Amps to 40 Amps, at 90 to 260Vac.

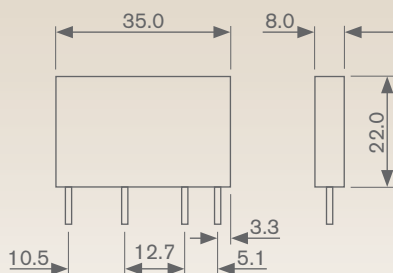
They operate from a 4 to 32Vdc or 90 to 240Vac input voltage, are zero voltage switching and have reverse input protection.

The solid state relays have an integral snubber network to minimise the effects of fast inductive transients at turn off.

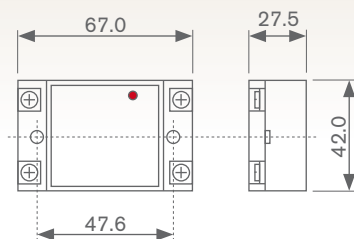
PCB or chassis mounting, single phase or three phase solid state relays

Dimensions

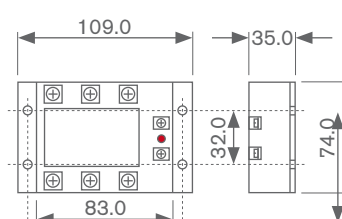
WYPMC PCB MOUNTING



WYG1C/WYUH1C SINGLE PHASE



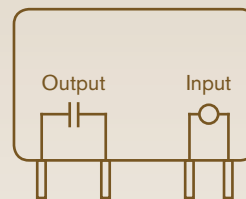
WY3G3C THREE PHASE



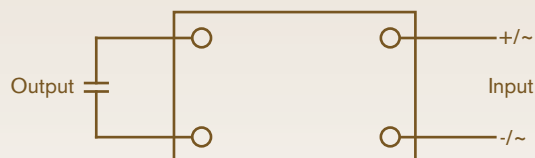
All dimensions in mm

Connections

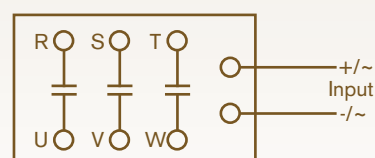
WYPMC PCB MOUNTING



WYG1C/WYUH1C SINGLE PHASE



WY3G3C THREE PHASE



Ordering information

Model	Code	Description
	WYPM1C	PCB Mounting SSR 240Vac
	WYG1C	Chassis Mounting SSR 240Vac
	WYH1C	Chassis Mounting SSR 460Vac
	WY3G3C	Chassis Mounting SSR 3 Phase 240VL-N

Current Rating	Code	Description
	03	3 Amp (WYPM1C only)
	10	10 Amp
	20	20 Amp
	30	30 Amp
	40	40 Amp

Voltage Rating	Code	Description
	Z4	4 to 32Vdc
	Z40	90 to 240Vac

Optional Heatsinks	Code	Description
	WYHS1020	To suit 10-20 Amp SSR
	WYHS3040	To suit 30-40 Amp SSR

Example **WYG1C20Z4**

Specification**Power Supply Voltage:**

- 4 to 32Vdc (Z4)
- 90 to 240Vac (Z40)

Input Resistance:

- WYPM1C: 270ohms
- WYG1C/WYH1C/WY3G3C: 2.7kohms
- Z40: 100kohms

Current Output:

- 03: 3A maximum, 20mA minimum
- 10: 10A maximum, 1A minimum
- 20: 20A maximum, 1A minimum
- 30: 30A maximum, 1A minimum
- 40: 40A maximum, 1A minimum

Frequency:

- 50/60Hz

Off State Leakage:

- WYPM1C: 2mA maximum
- WYG1C/WYH1C: 10mA maximum
- WY3G3C: 40mA maximum

Output Voltage Range:

- 90 to 240Vac (WY3G3C: 90-460Vac)

On State Voltage Drop:

- WYPM1C: 1V maximum
- WYG1C/WYH1C/WY3G3C: 1.5V max.

Isolation Voltage / Resistance:

- 2500Vac rms / 100Mohm @ 500Vdc

Transfer Capacitance:

- 15pF maximum

Operating Temperature:

- -20°C to 80°C

Thermal Resistance:

- 03: 18°C / Watt
- 10: 2.7°C / Watt
(WYH1C: 2.2°C / Watt)
- 20: 1.3°C / Watt
(WYH1C: 1.9°C / Watt)
- 30/40: 1.1°C / Watt

Weight:

- WYPM1C: 10g
- WYG1C: 110g
- WYH1C: 120g
- WY3G3C: 340g

Markings:

- CE marked (meets EN61010-1 low voltage and EN50081-1/50082-1 EMC directives)

Specification subject to change without notice.

Tempatron: Eltime House, Hall Road, Maldon, Essex, CM9 4NF UK.

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