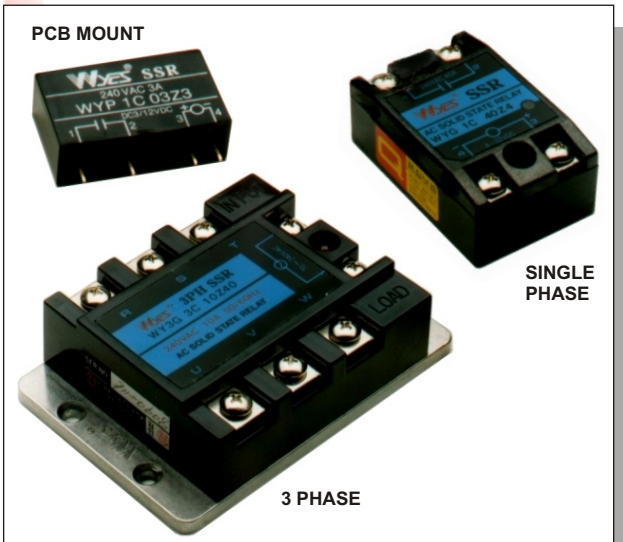


# SOLID STATE RELAYS

## WY SERIES SOLID STATE RELAYS



The WY series solid state relays are available in PCB mount or chassis mount styles, single and 3 phase with current ratings from 3 to 40 Amps at 90 to 240Vac. They operate from a 4 to 32Vdc input voltage, are zero voltage switching and have reverse input protection. They have integral snubber networks to minimise the effects of fast inductive transients at turn off and are suitable for switching a wide range of loads with low noise and long life.

### SPECIFICATION

#### WYPM - PCB MOUNT

Load : Maximum current : 3A @ 50/60Hz  
 Minimum current : 20mA  
 Off -state leakage : 2mA max.  
 Voltage range : 90 to 240Vac  
 On-state voltage drop : 1V max.  
 Input : Voltage range : 4 to 32Vdc  
 Resistance : 270  
 General : Isolation voltage/resistance : 2500Vac rms/100M @ 500Vdc  
 Transfer capacitance : 15pf max.  
 Operating temperature : -20 to 80°C  
 Thermal resistance : 18°C/Watt  
 Weight: 10gms

#### WYG/WYH - SINGLE PHASE CHASSIS MOUNT

Load : Maximum current : 10A(1C10Z), 20A(1C20Z), 30A(1C30Z), 40A(1C40Z)  
 Minimum current : 1A  
 Off -state leakage : 10mA(WYG), 40mA(WYH)  
 Voltage range : 90-240Vac(WYG), 90-460Vac(WYH)  
 On-state voltage drop : 1.5V max.  
 Input : Voltage range : 4 to 32Vdc(Z4), 70-240Vac(Z40)  
 Resistance : 2.7K (Z4), 100K (Z40)  
 General : Isolation voltage/resist : >2500Vac rms/100M @ 500Vdc  
 Transfer capacitance : 15pf max.  
 Operating temperature : -20 to 80°C  
 Thermal resistance : WYG: 2.7(10A), 1.3(20A), 1.1(30/40A)  
 (°C/Watt) WYH: 2.2(10A), 1.9(20A), 1.1(30/40A)  
 Weight: 110gms(WYG), 120gms(WYH)

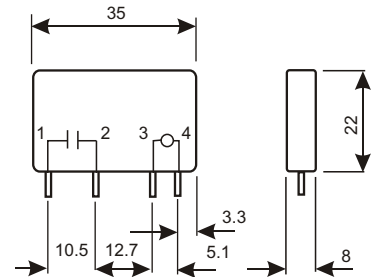
#### WY3G - THREE PHASE CHASSIS MOUNT

Load : Maximum current : 10A(3C10Z), 20A(3C20Z), 30A(3C30Z), 40A(3C40Z)  
 Minimum current : 1A  
 Off-state leakage : 10mA  
 Voltage range : 90 - 240Vac  
 On-state voltage drop : 1.5V max.

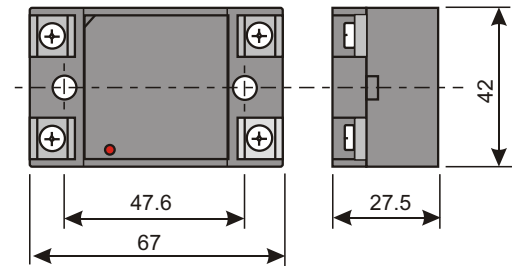
Input : Voltage range : 4 to 32Vdc(Z4), 70 to 240Vac(Z40)  
 Resistance : 2.7K (Z4), 100K (Z40)  
 General : Isolation voltage/resist : >2500Vac rms/100M @ 500Vdc  
 Transfer capacitance : 15pf max.  
 Operating temperature : -20 to 80°C  
 Thermal resistance : 2.7(10A), 1.3(20A), 1.1 (30/40A) (°C/Watt)  
 Weight: 340gms

### DIMENSIONS

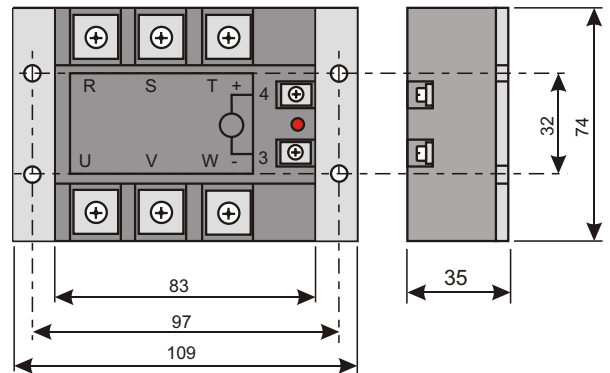
#### PCB MOUNT



#### SINGLE PHASE



#### THREE PHASE



### STANDARD ITEMS

O/P Current	Voltage	Mounting	Part Number
3A	240Vac	PCB	WYPM1C03Z4
10A	240Vac	Chassis	WYG1C10Z4
20A	240Vac	Chassis	WYG1C20Z4
30A	240Vac	Chassis	WYG1C30Z4
40A	240Vac	Chassis	WYG1C40Z4
10A	460Vac	Chassis	WYH1C10Z4
20A	460Vac	Chassis	WYH1C20Z4
30A	460Vac	Chassis	WYH1C30Z4
40A	460Vac	Chassis	WYH1C40Z4
10A	240Vac 3ph	Chassis	WY3G3C10Z4
20A	240Vac 3ph	Chassis	WY3G3C20Z4
30A	240Vac 3ph	Chassis	WY3G3C30Z4
40A	240Vac 3ph	Chassis	WY3G3C40Z4

### DIN Rail Mounted Heatsinks

To suit 10-20 Amp SSR WYHS1020  
 To suit 30-40 Amp SSR WYHS3040