

## Product Photo

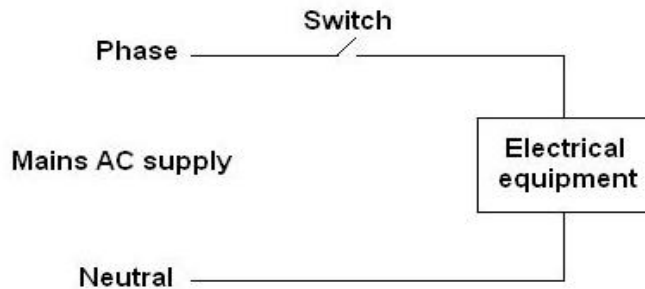


**Name** : **Solid State Relay**

**Model No** : **SSR-A10**

### **Description:**

The On and Off control of any electrical equipment as shown in the below diagram is normally done through a mechanical switch that is normally made up of metallic contacts once in Off position the metallic contacts are isolated and in On position the metallic contacts are in contact position that allows the flow of electricity through them. To control the On and Off of such a switch remotely or through computer automation control is not possible and also the switch being mechanical in nature will suffer mechanical wear outes.

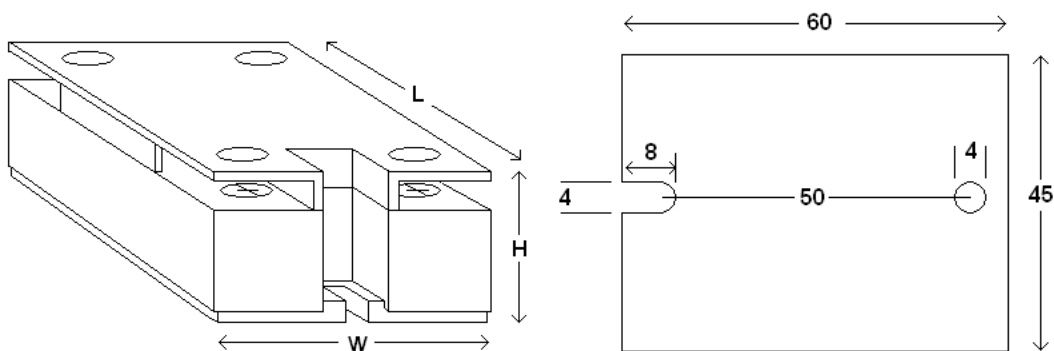


Solid state relay is a type of switch that doesn't carry mechanical moving parts. The electrical switching action is done through power semiconductors and instead of a human interface, the switch can be operated by small DC control voltages. As shown in the diagram below, this DC voltage can be from any control equipment like computers or signals from industrial control panels etc.

Solid state relays are used in many applications that involve control of high voltage AC using low voltage DC (control voltage) without the use of mechanical switches. Some of the applications involve ON/OFF control of lights, motors, water heaters, fans, advertisement lighting, and AC power ON/OFF to industrial machines. This solid state relay can also be used in places where regular periodic ON/OFF operation of electrical equipment is required.

Solid state relays are useful in almost all types of electrical systems where automation control is required. Being solid in nature and with complete electronic control, the life of such a device is many more times longer as compared to mechanical relays.

### Product Dimensions:



**Technical Specifications:**

Model Number	Voltage rating VAC		Current rating Amps		Control voltage VDC		Input to output Isolation voltage VAC	Frequency Range Hz		Dimensions L x W x H mm
	Min	Max	Min	Max	Min	Max		Min	Max	
MCZ10	40	400	0.1	10	5	25	2500	47	63	64x48x32
MCZ20	40	400	0.1	20	5	25	2500	47	63	64x48x32
MCZ30	40	400	0.1	30	5	25	2500	47	63	64x48x32
MCZ40	40	400	0.1	40	5	25	2500	47	63	64x48x32
MCZ50	40	400	0.1	50	5	25	2500	47	63	64x48x32

**Application**

1. Lights
2. AC compressors
3. Fans
4. Motors
5. Industrial CNC machines
6. Electromechanical valves etc.

**Advantages**

- 1.The operations is controlled by Semiconductors.
- 2.Noiseless operation
- 3.Protect the equipment form high voltage and surge.

**Installation & Commisioning**

