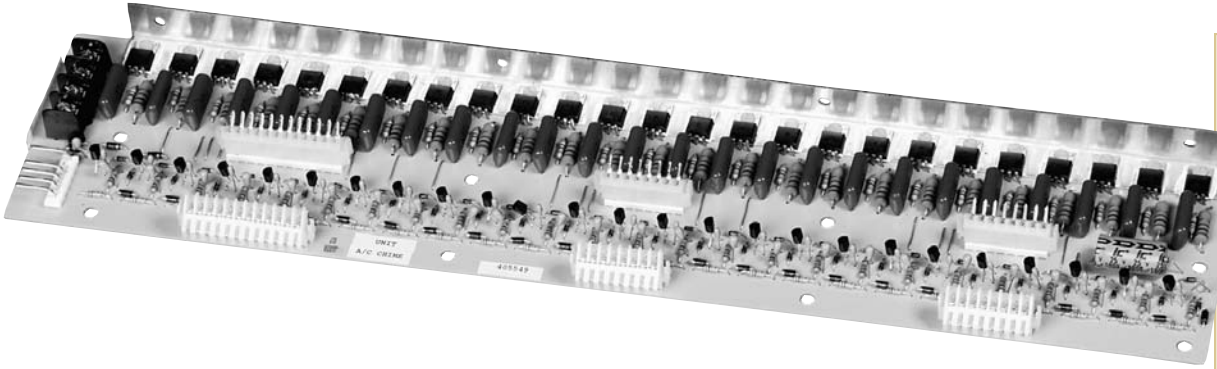


Solid State Chime Relay

Available for AC or DC chime actions



Solid state reliability.
 Compact for easy mounting.
 Single wire stop control.
 A single low current key contact may be used for each note.
 10 year warranty.

The Peterson Solid State Chime Relay is designed for use with tubular type chimes that have AC or DC operated solenoids. The high currents normally required to operate these chimes have traditionally required the use of special contact rails with leaf type switches or mechanical relays. Fitting contacts is often a problem and frequent maintenance is usually required to keep the chimes operational.

By using a Peterson Solid State Chime Relay the need for special contacts or mechanical relays is eliminated. The switching currents required to operate the relay are very small so that regular organ key contacts can be used. The Peterson Solid State Chime Relay can be operated from any available key contacts. It can, for example, be connected to the same contacts that are used to operate a straight chest, or that operate relay magnets. No gang switch is required since stop switching is accomplished in the Solid State Chime Relay. A single wire from the chimes stop tablet turns the chimes on or off. When used with organs having Peterson Solid State Switching Systems, the Peterson Solid State Chime Relay is connected to the same key switches that operate the rest of the Solid State Switching System.

Using the Peterson Solid State Chime Relay permits the use of a strike control switch that is normally supplied with the chime unit. The strike control switch changes the level of the AC or DC voltage applied to the solenoids, thus creating a softer or harder strike. The variable solenoid voltage may be connected to terminals on the chime relay assembly where it is then switched to the solenoids as the keys are played.

The small physical size of the relay assembly usually permits mounting it inside the chime rail under the dust

canopy, or it may be mounted remotely or in the organ console. Mounting the relay in or near the chime rail provides the advantage that small wire can be used for the keying cable from the console to the chime unit because the switching currents are very low (*approximately .01 Ampere.*)

Two types of Peterson Solid State Chime Relays are offered. Type 1 is for the older chimes with AC operated coils. Type 2 is for DC operated chimes. When a Peterson Cathedral Chimes™ action is purchased, all required circuitry is supplied so this Solid State Chime Relay need not be ordered.

Specifications

25 Notes.

Input: (From key switches) positive 10 to 20 Volts* from organ rectifier.

Output: Up to 6 Amps per note.

Size: 18-5/8" x 4" x 1-1/2" (47.3 cm x 10.16 cm x 3.8 cm).

Net Weight: 1 pound (.45 Kg).

Shipping Weight: 2 pounds (.9 Kg).

Stop Control Polarity: Specify positive or negative polarity when ordering.

*Any voltage within this range works equally well. The level of this voltage does not affect chimes volume.