

Console AC Control System

Simplest way to switch AC circuits



The Console AC Control System includes these accessories.

The Peterson Console AC Control System is a complete package of components designed to simplify switching of the organ rectifier, blower, console lights and other AC circuits from the console's main power switch. This product includes an electrical box with four unswitched and four switched 110 Volt AC outlets. An internal transformer and rectifier provides 12 Volts DC, which operates an internal solid state relay when the console switch contacts are closed. This zero-crossing solid state relay turns on the four switched outlets without producing radiated transients that could cause clicks and other interference with electrical equipment such as public address systems.

The transformer/rectifier also provides a 12 Volt DC control signal whenever the console switch is on. This control voltage may be sent to the chamber in a conventional, OrgaPlex,™ or ICS-4000™ main cable to operate the contacts of the supplied chamber relay. The chamber relay is used to switch the voltage, usually 24 VAC or 110 VAC, that operates the blower starter and organ rectifier contactor.

Internal transformer windings also provide power for the Peterson OrgaPlex,™ Duo Set,™ MSP-1000™ and MIDI Resource System,™ eliminating the need for separate plug-in transformers. The control system kit includes the main control box, chamber relay, and a console power keyswitch with engraved plate and wire. An optional "Console Power Latch" board should be ordered if you wish to use your own push buttons with normally open "on" contacts and normally closed "off" contacts.



The Single Outlet AC Control Box with 15 Amp line cord.

For convenience in switching 110 VAC devices from a stop tablet contact or other low voltage DC switch, Peterson also offers the Single Outlet AC Control Box in both 15 Amp and 20 Amp versions. An internal zero-crossing solid state relay prevents interference transients at the moment of switching.

- Allows the console to be plugged into any unswitched outlet.
- No need for conduit to the console or in the console.
- Greatly simplifies wiring of console to control AC devices.
- Simply plug in an AC music rack light, pedalboard light, console clock and other switched and unswitched AC accessories.
- Internal transformer supplies current for the OrgaPlex,™ Combination Action, MIDI interface and a control signal for chamber, blower and organ rectifier switching.
- Compatible with ICS-4000™ power switching circuitry.
- Internal solid state relay prevents PA system interference while switching.
- A "chamber relay" controlled from the console is provided to switch the operating voltage for contactors.
- A console power keyswitch & engraved plate are included.