



## Console Control System P/N 5005.00

OSI offers an AC power control system to manage the switching of console and chamber components. The console control system provides 4 switched and 4 un-switched 110 VAC outlets as well as 12 VDC for control and general-purpose use. The 12 volt output is filtered and conditioned to prevent EMI/RFI interference and is well suited for a variety of electronic organ components and accessories. AC components are switched with a solid-state relay free from contact bounce and electrical interference. The console control system can be activated locally with a switch contact located on the organ console or remotely with 12 volts.

- A single switch controls console and chamber components.
- Simple wiring of all organ components. Easily configurable for console or chamber operation.
- Organ can be connected to any un-switched source of AC power with or without a hard conduit connection.
- Un-switched outlets for an organ clock, music rack light and small service outlets.
- Switched outlets are available for power supplies, small wall transformers and other components That require 110 VAC.
- Switched DC power (nominal 14 volts) for a variety of electronic components such as organ control systems, MIDI resources, blower relays and other remote AC control systems.
- Rugged aluminum housing with convenient flanged construction for mounting flexibility.
- Small size at 9" long x 7.5" wide x 2.5" high



### Installation and Operation

Locate the Console Control System close enough to the source of AC line power leaving enough room for wiring and fuse replacement. Make sure the control system is not connected to the AC line and carefully remove the **Line** fuse and the **AC** fuse. Using the bottom-mounting flange, secure the unit with 4 #10 screws. Replace the **AC** fuse and the **Line** fuse. Both the Switched and Un-Switched AC outlets are oriented to minimize interference and allow oversize plugs and transformers. The next page lists the function and typical application of the control system inputs and outputs.

- UN-SWITCHED:** Four AC outlets used for components that require uninterrupted AC power or have their own switch. An organ clock is a good example of the former while a music rack light is typical of the latter.
- SWITCHED:** Four AC outlets used for components that are controlled by a single switch. Typically these components are organ power supplies, wall transformers for numerous types of accessories and computers. These outlets could also be used to directly control blowers and motor starters if a second control system is used in a remote location.
- CONSOLE SWITCH:** A two position terminal block that directly controls the internal solid state relay. Typically this terminal block is connected to a key switch's normally open contact located on the console.
- REMOTE START:** A two position terminal block that requires a 10 to 15 volt DC signal that duplicates the function of the *CONSOLE SWITCH*. This allows for remote operation using a single pair of wires. For example, connecting the *DC OUTPUT* of a Console Control System located at the console to the *REMOTE START* terminals of a second Console Control System located in the organ chamber would allow for greater flexibility and control of many more components still using only one console key switch.
- OUTPUT:** A two position terminal block that provides nominal 12 volt output at 1 amp. Typically this output is regulated around 14 volts DC and can be used for any device that requires switched DC voltage. This output is controlled (On/Off) by the *CONSOLE SWITCH* or *REMOTE START*.

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