



SEQUENTIAL SWITCH SYSTEM

SACR-191
SACS-5 / SACS-5F
SACS-1 / SACS-1F



FEATURES

- Sequential power-up/down of system components
- Protects electronic equipment
- Eliminates tripped circuit breakers
- Minimizes voltage spikes
- 1 to 10 second adjustable delay for all 6 circuits

GENERAL DESCRIPTION

The Atlas Sound Sequential Switch system prevents high, in-rush currents which can damage drivers and sensitive electronic equipment. The Sequential Switch System applies power to the system components in desired time-delay sequence, minimizing the potential for tripped circuit breakers, blown fuses, or voltage spikes caused by simultaneous power application. The system is ideal for large sound reinforcement systems, electrical and electronic systems/controls and other signal chains that require sequential, power up and power down.

SACR-191 SEQUENTIAL SWITCH SYSTEM CONTROLLER

The model SACR-191 is a six-circuit sequencer designed to sequentially activate the associated SACS-1 and SACS-5 117VAC power outlets. It can be employed in sound reinforcement systems or other electronic systems that require a timed sequence for system power-up. The SACR-191, when used with the SACS-1 and/or SACS-5 117VAC outlets, will power up and down a chain of equipment in the

desired order. Added flexibility is incorporated by providing both a 24 VDC output (for use with the SACS-1 and SACS-5) and a SPDT dry contact closure on each circuit which can be used for a variety of other applications. * The built-in clock generator is adjustable and provides a means of setting the turn-on delay of the six circuits. The delay is adjustable from one to ten seconds.

Screw terminals are provided for connecting the SACS-1 or SACS-5 power outlets to the SACR-191. Terminals are also available to connect a remote sequence start/stop switch. The cable necessary to interface the SACR-191 controller with the remote SACS-1 and SACS-5 is two conductor cable 22-gauge min. per circuit (not included). The remote start/stop switch also requires a two-conductor, shielded cable 22-gauge min. (not included).

NOTE: Regarding remote start/stop switch configuration.

Remote start/stop switch MUST BE momentary type, latching switch will not work. Use Atlas Sound model HX11-P or equivalent (sold separately).

The SACR-191 is powered by an external 18 VAC power supply, which is included with each unit. Controls include a master power on/off switch, a sequence start/stop switch, master power indicator light, sequence status light and circuit status lights.

SACR-191 SYSTEM SEQUENCE CONTROLLER							
OUTLET CHANNELS	CHANNEL TIME DELAY	OUTPUT POWER	SPDT CONTACTS	POWER REQ.	REMOTE START SWITCH	DIMENSIONS (H x W x D)	WEIGHT LBS.*
6	Adjustable 1-10 Sec.	24 VDC (70 mA/ch)	2 Amps @ 28 VDC	Plug-in P/N 219481 (included)	(1) Switch must be momentary non-latching (Not Included)	1 1/4" x 19" x 4 3/4" (44.5 x 483 x 121mm) (1RU)	5 lbs. (2.3 kg)

* SACR-191 (3 1/2 lbs, 1.6 kg.), External Power Supply #219481 (1 1/2 lbs., .7 kg.)

POWER OUTLET SPECIFICATIONS								
MODEL	DUPLEX OUTLETS	OUTLET RATING	RELAY RATING	RELAY COIL VOLTAGE	CONNECTIONS AC	MANUAL OVERRIDE	DIMENSIONS (L x H x D)	WEIGHT LBS.
SACS-5 SACS-5F	5 Switched 1 Unswitched	20 Amps	30 Amps	24 VDC nom. 18 VDC min.	14-gauge Pigtails	5 Switches	37" x 2 3/4" x 2 1/2" (940 x 70 x 63.5mm)	7 lbs. (.9 kg)
SACS-1 SACS-1F**	2 Switched	20Amps	30 Amps	24 VDC nom. 18 VDC min.	14-gauge Pigtails	1 Switch	6 1/2" x 4 1/2" x 2 1/2" (162 x 114 x 63.5mm)	2 lbs. (.9 kg)

** Isolated ground version.

* Other Applications include remote lights, AMX & Motorized Curtains

Specifications subject to change without notice



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SACS-5

Six Circuit Remote for use with SACR-191 Controller

The model SACS-5 is equipped with six duplex outlets for plugging in mixers, equalizer, crossovers, amplifiers, etc.. The first duplex outlet is unswitched and can be used to plug in the power supply to power the SACR-191 controller. A terminal strip is located adjacent to each of the remaining five duplex outlets to connect the individual circuits to the SACR-191 controller. Each duplex outlet is further equipped with a manual/auto switch to allow the outlets to be switched on manually and the sequencing process to be overridden.

SACS-5F

Isolated ground configuration of model SACS-5.

SACS-1

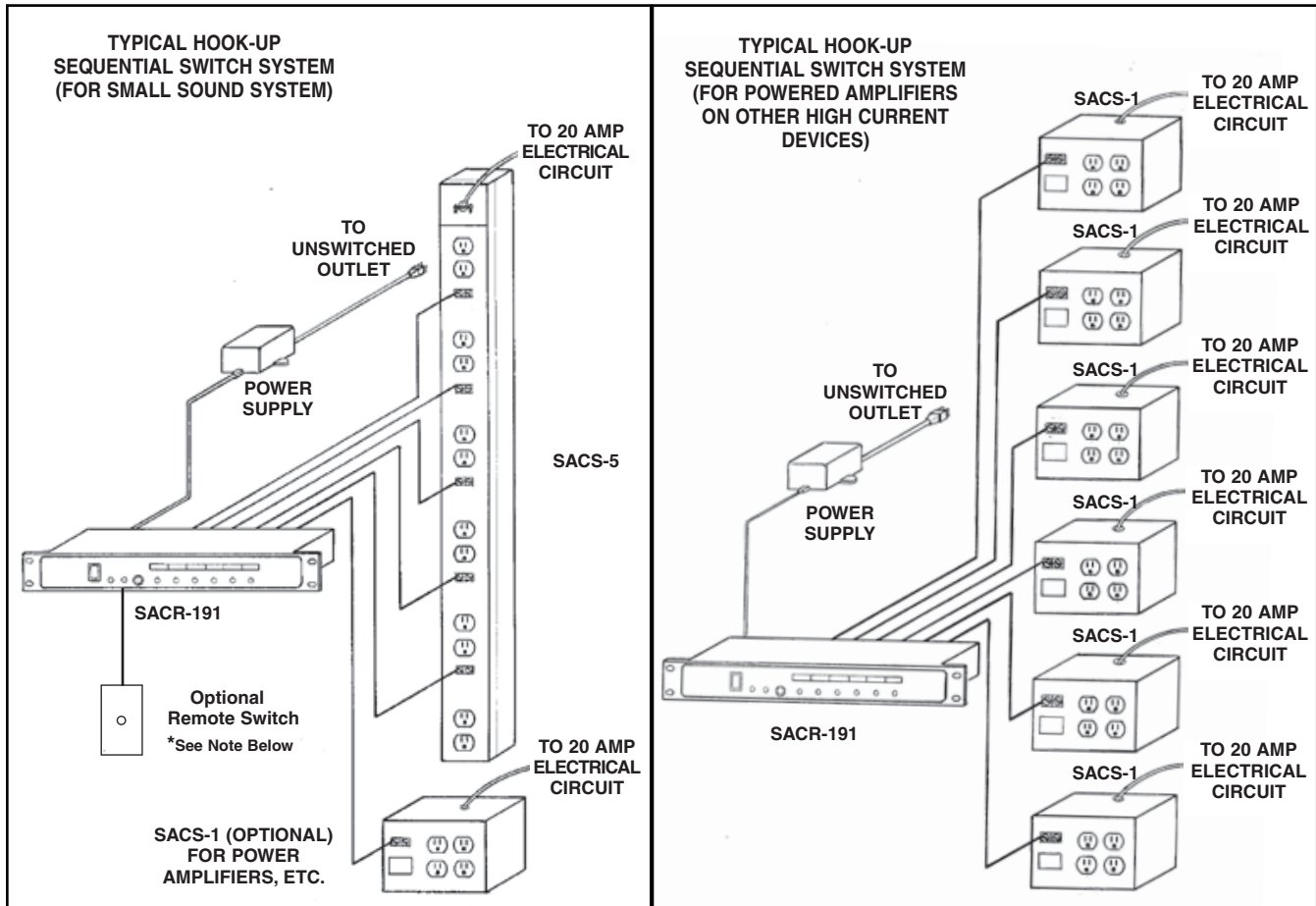
Single Circuit Remote for use with SACR-191 Controller

The model SACS-1 is a single circuit version of the SACS-5. It is generally employed when separate power circuits are a system requirement. It also simplifies power control in a multi-rack system or control of remotely located equipment.

All of the functions and features built into the SACS-1 are identical to those in the SACS-5. The SACS-1 is built into a surface mount three gang box suitable for rack or wall mounting.

SACS-1F

Isolated ground configuration of Model SACS-1.



For additional wiring information, request manual #227385

ARCHITECT AND ENGINEER SPECIFICATIONS

Sequential Switch System shall be Atlas Sound model SACR-191 with associated outlet model SACS-1(F)[SACS-5(F)] or approved system equal. Controller shall provide six output channels. Master time delay between channels shall be adjustable from 1 to 10 seconds. A 24 VDC output and a SPDT dry contact closure on

each circuit shall be provided. Outlets shall be duplex with a 20 amp rating. Relay contact rating shall be 20 amps. Relay coil voltage shall be 24 VDC nom. 18 VDC min.. AC connections shall be 12-gauge pigtailed. Outlets shall incorporate a manual override switch.

*NOTE: REGARDING REMOTE START/STOP SWITCH CONFIGURATION

Remote start/stop switch MUST BE momentary type, latching switch will not work. Use Atlas Sound model HX11-P or equivalent (sold separately). HX11-P switch may be mounted to single gang stainless steel plate model S301 (also sold separately)



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