Film-Tech

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RGM INDUSTRIES

SPATS II -A -LC OPERATING INSTRUCTIONS

AUTOMATION UNIT

SPATS II

SINGLE PROJECTOR AUTOMATED THEATRE SYSTEM

Features:

- Multifaceted Automation System
- Improve Projection Booth Efficiency
- Consistent Theatre Presentation
- Central & Remote Controls
- Control Multiple Theatres
- Single Reel or Platter



SPATS II will:

- 1. Turn house lights off
- 2. Turn music system off
- 3. Start projector motor
- 4. Turn on projection lamp
- 5. Open dowser and turn on projector sound at beginning of picture.

When show is over SPATS II will:

- 1. Turn the house lights on
- 2. Turn music system on
- At final frame of picture, close dowser and shut off film sound.
- 4. Shut off projector motor and lamp when film runs out in projector.

SIZE: 16" High, 14.25" Wide, 5.5" Deep WEIGHT: 30 LBS SPATS II Automation System provides completely unattended projection functions for theatres using a single projector with platter or single reel film systems. Once the projector has been threaded the show can be started from the projection booth or any remote location by activating a switch, thereafter requiring no attention from theatre personnel.



3342 LILLIAN BLVD. TITUSVILLE, FL 32780 TELEPHONE: 305-269-4720

SPECIFICATIONS

SPATS II -SERIES A-LC

SINGLE PROJECTOR AUTOMATED THEATRE SYSTEM

SPATS II will program the following functions:

- 1. Turn house lights off
- 2. Turn music system off.
- 3. Start projector motor.
- 4. Turn on projection lamp.
- 5. Open dowser and turn on projector
- *6. Select flat or scope lens.
- *7. Turn on surround channel,

During projection of the film, SPATS II will monitor the complete projection operation and will shut down the projector and lamp, if a film break occurs. Should this occur, a signal lamp will light or (optional) alarm will be sounded. Upon repair and re-threadeng of film, a manual re-start will allow SPATS II to continue automatic operation of the theatre until the film is completed.

From a completion cue on the film, SPATS II will begin a termination sequence:

- 1. Turn the house lights on
- 2. Turn intermission music system on
- At final frame of picture, close dowser and shut off film sound .
- Shut off projector motor and lamp when film runs out in projector.
- 5. Shut off surround channel
- 6. Change lens to flat

In addition to these routine features, SPATS II provides for emergency shutdown of projector and lamp by push button form the booth or (optionally) a remote location.

*Select lens and surround operation prior to show start.

INSTRUCTION MANUAL <u>SPATS II</u>-SERIES A-LC DESCRIPTION OF OPERATION

SPATS, for Single Projector Automated Theatre System, is designed for use with platter film systems or with large single reel projectors.

OPERATION

When the projector is properly threaded and on leader start mark 8 or 7, house lights are up and theatre music system operating. SPATS at the push of the START button will:

Immediately turn house lights off and start music fader (optional IMP 100).

The projector motor and lamp will be started, however, no picture or sound will appear in the theatre while the film leader is passing through the projector. 7.5 seconds into the sequence the change over shutter will open and the exciter lamp will turn on, putting a picture and sound in the theatre.

SPATS II will now wait for the end cue to start a reverse sequence to bring the theatre up to an intermission condition, but, continuously monitoring the projector for a film break or split film.

If a film break or film split occurs, SPATS II will shut down the projector motor and lamp and signal with a red light that this has happened. The red light will remain on until the projector has been re-threaded. The projector motor, lamp and sound can be re-started after threading by pushing the Show Start button and SPATS II will begin a sequence exactly the same at the beginning of the show.

During normal operation the Emergency Stop button will shut down the projector, lamp and sound; turning the house lights on. Re-starting from an emergency stop is with the start button.

INSTRUCTION MANUAL SPATS II-SERIES A-LC DESCRIPTION OF OPERATION

When the foil cue at the end of the film passes the sense roller, SPATS II begins on intermission and shut down sequence. Immediately following the cue, the change over shutter closes and the exciter lamp is cut off. The projector continues to run until the film passes completely through, and then the projector motor and lamp are shut off. At this time the red light is on signaling the end of show (start of intermission). The house lights turn on and music system is activated.

SPATS II now waits for the projector to be re-threaded and will start the next show exactly the same as the foregoing.

At any time during the show, an intermission may be commanded by the Manual Intermission button. This will bring about the same condition as the end of film cue, in the same sequence. Picture and sound will be shut off. However, The projector and lamp will continue to run until the film runs out or the Emergency Stop button is pushed. SPATS II will be in intermission mode and re-start will require using the Show Start button.

In the event that two cue foils are used on a double feature presentation, the cue between features can be ignored by placing the CUE...BYPASS switch in the YES position. This will allow the show to continue from one feature to the next without an intermission. The switch must be placed in the NO position after the first cue has passed in order to obtain a normal show and sequence at the last cue.

If the switch is in the NO position and a cue between features is detected, the picture and sound will be turned off. <u>However</u>, the projector must be immediately stopped with the EMERGENCY STOP button or it will continue to run until all the film has passed. Re-start is the same as the beginning of a new show. Push the START button. The area of house lights maybe controlled by automatic or manual function. In order to operate automatically it will be necessary to place the (Auto Lights-Manual) switch into the "Auto Lights" position. This will now enable the house lights to come (on and off) automatically, as programed by the automation system.

To operate the lights in a manual mode place the (Auto Lights-Manual) switch to "Manual" and utilize the (Lights Up-Lights Down) spring return toggle switch for raising or lowering the lights in the auditorium. In order to have the lights operate in the auto mode again it is necessary to transfer the (Auto Lights-Manual) switch to the "Auto" position.

Cue foil should be placed on inboard lens change and surround channel turn on. Film sensor is connected to TB 6. Lens changer and surround controls are wired to TB-4. Remote controls are wired to TB 5.

Above TB's are located on the printed circuit board mounted on the wall-mounted chassis.

SPECIFICATIONS

SPATS II-SERIES A-LC (LENS CHANGE)

SINGLE PROJECTOR AUTOMATED SYSTEM

MASTER CONTROL CONSOLE

WEIGHT: FINISH:	H 7" ×W 19" ×D 11" SYSTEM SHIPPING WEIGHT 30 LBS BLUE GRAY HAMMERTONE RACK (RELAY TYPE) 3A, 110/125 VAC 60 HZ (15 AMP SERVICE) BARRIER TYPE TERM STRIPS PROVIDED WITH UL SPADE LUGS-WHERE APPLICABLE
CONTROLS: AUTOMATIC	HOUSE LIGHT CIRCUIT (NON-TIMED) PROJECTOR MOTOR LAMP HOUSE EXCITER LAMP SHUTTER INTERMISSION (NON-SYNC) MUSIC STEREO-SURROUND CHANNEL LENS CHANGING (FLAT-SCOPE)
	HOUSE LIGHT CIRCUIT ON-OFF HOUSE LIGHT AUTO MANUAL LAMP HOUSE EXCITER LAMP LENS CHANGE (RESET)
RELAY TYPES:	DPDT 24 VDC
RELAY CONTACT RATINGS: FUNCTION INDICATORS:	10 AMP, 120/240 VAC 7 5 AMP,120 VAC
	28 VDC INTEGRAL LAMP ASSEMBLIES WITH QUICK DISCONNECT LEADS
PROGRAMMER:	SOLID STATE PULSE AND DELAY CIRCUITS

SPECIFICATIONS

SPATS II-SERIES A - LC(Lens Changer)

SINGLE PROJECTOR AUTOMATED SYSTEM

MASTER CONTROL CONSOLE	
DIMENSIONS:	H 16" ×W 14½ × D 5½"
WEIGHT:	System shipping weight 30 lbs
FINISH:	Blue grey hammertone and black
MOUNTING:	Wall
POWER INPUT:	3A, 110/125 VAC 60 HZ (15 AMP service)
CONNECTIONS:	Barrier type term strips provided with UL spade lugs-where applicable
CONTROLS: (Automatic)	House light circuit (Non-timed)
	Projector motor
	Lamp house
	Exciter lamp
	Shutter
	Intermission (Non-sync) Music
	Stereo-surround channel
	Lens changing (Flat-scope)
CONTROLS: (Manual)	House light circuits On-Off
	House light auto manual
	Lamp house
	Exciter lamp
	Lens change (Reset)
RELAY TYPES:	DPDT 24 VDC
RELAY CONTACT RATINGS:	10 AMP, 120/240 VAC
	7 5 AMP, 120 VAC
FUNCTION	
INDICATORS:	28 VDC integral lamp assemblies with quick disconnect leads
Programmer:	Solid state pulse and delay circuits
SPATS II Automation System provides completely unattended	

projection functions for theatres using a single projector with platter or single reel film systems. Once the projector has been threaded, the show can be started from the projection booth or any remote location by activating a switch, thereafter requiring no attention from theatre personnel.



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GRAVITY DROP FAILSAFE, CUE SENSOR

RGM MODEL 0910-002

Wire: #1 - Black #4 - Red #2 - White #5 - Brown #3 - Green

Connect wires to barrier strip terminal for failsafe cue sensor.

White (outboard roller) wire is for standard cue functions.

Brown wire is for S.O.B. Interlock or special function program.











