

# **AWU SERIES MOTION CONTROLLERS**

## ***WHAT'S YOUR REASON FOR AVOIDING SCENERY MOTION CONTROL?***

Whatever your reason has been - the expense, size and complexity of those installed systems, or objections to the "kluge it yourself" approach - the use and economic competitiveness of automated scenery is a reality of today's theater and presentation business.

**GODDARD DESIGN CO.** has been a major player in automation control for over 15 years. Our controllers are used extensively on Broadway, in regional theater, on the road, in rental shops and in just about every facet of presentations. Our reputation for simple to use equipment that provides you with reliable, repeatable control is unequalled. Our modular approach offers you the ability to mechanize one piece at reasonable cost, knowing you can expand the system as needed.

The AWU Series controller offers you control of one axis of motion per unit - up and down, onstage and off. Each unit offers you 4 limits; the optional LEX-6 expansion unit takes that to 10 limits. For multiple unit operation, group together as many AWU and LEX-6 units as you need using the Master Buss. Our REM-ST Master unit gives you a remote RUN and remote ALL STOP and an emergency STOP to shut off power to all drives. Master Buss options include speed mastering and start sub-grouping.

Features of the AWU Series controllers include:

- position repeatability of better than 1/4" in 50' of travel with smooth acceleration and deceleration for predictable, safe operation
- absolute positions for scenery limits are stored in non-volatile memory so the system can't "forget"
- large, front panel digital position readout gives the operator continuous location feedback
- front panel controls are used for setting limits quickly and reliably
- careful panel layout provides the operator with feedback for confident operation
- adjustable speed and variable accel/decel rates make the system work for you as your needs change from one production to the next

The AWU Series controllers will add control to a variety of mechanization systems. The AWU unit is a controller producing a low voltage signal. It requires a motor drive to amplify this signal to a suitable level for running your choice of motor. The standard choice has been to use permanent magnet DC motors driven by 4 quadrant regenerative drives. The AWU has also been used with AC motors driven by certain variable frequency drives and, with proper interfacing, also with hydraulic motors and actuators.

## THE AWU-4a CONTROLLER AND THE LEX-6 EXPANSION UNIT AT A GLANCE

- 1 - Use the Remote Start button to set up groups for multiple unit operation
- 2 - The position display shows you current scenery position
- 3 - Two accel/decel presets are available
- 4 - Use the Jog switch to manually position the scenery
- 5 - Four 10-turn dials are used to store limits
- 6 - The Limit Selector dial lets you choose which of the 4 AWU-4a or 6 LEX-6 limits you want
- 7 - The Speed dial lets you set the maximum speed of a move
- 8 - The Run button starts motion
- 9 - Use the Stop button to halt a piece before it reaches limit
- 10 - The In and Out indicators show the direction a piece will move

An AWU-4a is 19 inches tall by 3.5 inches wide and approximately 7 inches deep. The LEX-6 is 19 inches tall by 1.75 inches wide by 7 inches deep. Mounting ears are provided with mounting holes on standard rackmount centers. Units are normally packaged in 19 inch relay racks with the rails mounted horizontally rather than vertically. The REM-ST remote unit has the same mechanical size as an AWU. Front panels of all units are a gray anodized metal; cases and rack ears are a textured black finish. All connections to the units are made by back panel mounted connectors. A 25 pin D-style connector provides signals necessary for the LEX-6 and many custom expansion possibilities. The Master Buss connector is a 15-pin D style connector.

PRICES effective November 1 1996	
AWU4AM with System Manual	\$2250.00
LEX-6	860.00
REM-ST-E	580.00
System Manual only	25.00
For Racks and other options please consult the factory	

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