CONTROL UNIT AL100

Front Panel

The Arc-line Control Unit (AL100) creates a wide variety of exciting, fast action strobe effects, including a single strobe chase along the entire chain with speeds up to 1400 m.p.h.

The unit will drive up to 100 metres of Arc-line, routed straight or zig-zag to enhance your lighting installation, adding startling illumination and creating an electrifying atmosphere.

The system may be touch controlled using the Mode U8TC Touch Controller or Ul6TS Touch Sequencer, via the remote/disable input.

FUNCTIONS

FLASH	The flash button will start the selected sequence. A protection circuit is incorporated to prevent the flash repetition rate exceeding 1.25 flashes per second.
REPEAT	Continuously repeats the selected sequence. The repeat rate may be adjusted using the repeat control.
(RUNOUT) Button In)	Each sequence will run through to the end of the Arc-line display at the speed selected using the speed control.
(RUNOUT) (Button Out)	With "Audio" selected a burst sequence will be produced which is synchronised to the audio beat. The distance travelled during each burst can be adjusted using the speed control.
AUDIO	Sound triggered sequence.
REPEAT CONTROL	Adjusts repeat time from 1 to 30 seconds.
SPEED CONTROL	Adjusts the speed of sequence up to 1400 m.p.h. (2200 km.p.h.)

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MODE LIGHTING (UK)

INSTALLATION INSTRUCTIONS Rear Panel

MAINS INPUT

The 3 core cable (1.5 metres long) should be connected using a suitably rated isolator to a 200-250 volt 50-60 Hz. supply. Where only 1 1 0 volt is available a step up auto-transformer is required with a rating of 25 VA per AL2 and 1 2.5 VA per AL1. Do not operate without an earth connection.

ARC-LINE OUTPUTS

Connect to the rear panel terminal blocks sing only the free end of the Mode AC1 2 or AC25 Cable Set (4 core 0.75mm cable with plug attached). The black and yellow/green wires are joined in the plug end which is inserted into the first Arc-line. For ease of servicing the terminal blocks can be separated by loosening the appropriate terminal screws as Indicated on the back panel.

DISABLE INPUT

For remote touch sensor operation - use a mono " jack lead to connect to the U8TC or U16TS.

AUDIO INPUT

Connect using a mono or stereo " jack lead to an audio source of 0.3 -1 00 volt RMS.

ACCESSORIES

AC12 CABLE SET	- 12 metres with fitted plug.
AC25 CABLE SET	- 25 metres with fitted plug.
PS92 EXTENSION CABLE	- 2 metres with fitted plug and socket.
PS94 SPLITTER CABLE	- Two way with fitted plug and sockets.
MP1OO MOUNTING PLATE	- 19" x 5 " (3U) matt black anodised.
WEATHERSEAL KITS	- For outside use, see separate datasheet.

Note: Each Arc-line zone requires one cable set (AC12 or AC25).
Alternative cables which have different impedance are not suitable for Arc-line.

TECHNICAL DATA

MAINS SUPPLY	200-250 VOLT, 50-60 Hz, 5 amp max.	
DISABLE INPUT	+6 to +24 volt, tip enable.	
SUPPLY FUSE	20 x 5 mm.DIN 41571 Type M.5 amp	
AUDIO INPUT	0.3 to 100 volt RMS at 20 K ,fully isolated.	
MAXIMUM ARC-LINE LENGTH	100 metres in total.	
OUTPUT DIVIDING	8 Arc-line chains maximum per Al100.	
FRONT PANEL SIZE	300 x 100 mm	(11.80" x 3.90")
PANEL MOUNTING CENTRES	282 x 64 mm	(11.10" x 2.50")
CUT OUT SIZE	265 x 85 mm	(10.40" x 3.40")
DEPTH BEHIND PANEL WITH PLUGS	150 mm	(5.9")
PACKED WEIGHT	1.6 kgs	(3.5 lb)
		(13.40" x 7.10" x 5.90")

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