

As this user guide was written before January 1995, when the UK mains voltage was changed from 240V to 230V, the maximum power ratings must be reduced.

Maximum load per channel is now 1150W (not 1200W)

Maximum load on a 13A plug is now 2990W (not 3120W)

Maximum total load is now 4600W (not 4800W)

# 19' FOUR CHANNEL COMPUTER CHASER

# LOGIC 4000

INDUCTIVE LOAD

The 'LOGIC 4000' offers even more facilities than any previous N.J.D. lighting controller. Produced specifically with the installer in mind the 'LOGIC 4000' offers six selectable chase programs, with 'Auto-run' facility, plus 'Beat' and 'Flood' selection, 50% shimmer dim, manual or sound chase, variable program change time and 'Pre-select' facility for 'Flood' and 'Beat'. All these features plus an increase in handling capacity makes the 'LOGIC 4000' unrivaled in the field of modern lighting control.

## FEATURES

### POWER

The 'Power' light indicates that the unit is 'ON' regardless of whether the effects lighting is lit.

### PATTERN CONTROL

By moving the 'Pattern' selection switch to 'Single', 'Pairs' or 'Triple' the 'LOGIC 4000' will chase the lighting with either one, two or three channels lit. These channels will chase in one direction or forward and reverse, depending on where the 'Program' control is set.

By moving the 'Pattern' selection switch to 'Run' the 'LOGIC 4000' will automatically run through 'Singles', 'Pairs' and 'Triple', both forward and reverse, the amount of time between pattern and direction changes being governed by the 'Program' control.

By moving the 'Pattern' selection switch to 'Beat' all lamps, pre-selected on the 'Standby' switches will flash simultaneously to the bass beat of the music.

By moving the 'Pattern' selection switch to 'Flood' all lamps, pre-selected on the 'Standby' switches, will be continuously lit.

### 50% / 100%

This switch in the 'Standby' mode enables the operator to select any effect of his choice before illuminating the effects lighting.

The '50%' mode illuminates all the effects lighting with a Shimmer Dim effect, approximately half as bright as normal.

The '100%' mode illuminates the effects lighting at normal brilliance.

### CHASE - MANUAL/SOUND

The 'Chase' indicator gives instant visual indication of which mode the 'Manual/Sound' switch is in.

With the switch in 'Manual' the 'Chase' indicator will be permanently lit. With the switch in 'Sound' the 'Chase' indicator will flash in time with the bass note of the music. This proves the presence of a suitable sound signal.

#### CHASE CONTROL

The 'Chase' control has two functions.

- 1) With the 'Chase' switch in 'Manual', the 'Chase' control sets the speed at which the channels will sequence.
- 2) With the 'Chase' switch in 'Sound', the 'Chase' control governs the number of channels chased per bass beat.

#### PROGRAM CONTROL

The 'Program' control varies the amount of time between pattern or direction changes. The lower the setting, the longer the period of time between direction or pattern change. With the 'Program' control in 'Hold' the chase pattern or direction will not change.

#### MIMIC

The four 'Mimic' indicators provide the operator with instant visual indication.

#### STANDBY / BEAT-FLOOD PRE-SELECT

The four 'Standby' switches enable the operator to 'Pre-select' which channels he would like to illuminate in the 'Beat' or 'Flood' mode, whilst the 'LOGIC 4000' is running in one of the other programs. For example; The operator may wish to floodlight the dance floor with channels 1 & 3 after the record which is playing. He can leave the 'LOGIC 4000' chasing whilst he pre-selects channels 1 & 3, when the record ends he turns the 'Pattern' control to 'Flood' to illuminate the pre-selected channels.

#### REAR PANEL

The rear panel contains four output fuses, an eight way Bulgin P552 output socket and a mono 1/4" Jack socket for sound input (Auto level).

#### TECHNICAL SPECIFICATION

Size: 19" Rack x 2 Units (3½")

482mm x 89mm x 118mm

Minimum mounting depth: 90mm

Weight: 1.7kg.

Audio impedance: 680 ohms.

Audio input range: 2v/40v rms.

Maximum load per channel: 1200 watts resistive load.

800 watts inductive load.

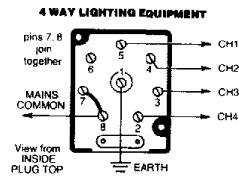
Maximum total load: 4800 watts resistive.

3200 watts inductive.

Fuses: 4 x external 5amp HRC (For heavy tungsten lamp load, exchange for 6.3 amp HRC)

Power requirements: 220/240 volts a.c. 50Hz.

#### **LAMP CONNECTION**



#### WARNING

A SUPPLY OF 20 AMPS IS REQUIRED IF THE 'LOGIC 4000' IS TO OPERATE AT FULL LOAD (1200 WATTS PER CHANNEL). IF THE UNIT IS TO BE CONNECTED VIA A 13 AMP MAINS PLUG THE MAXIMUM LOAD PER CHANNEL IS 750 WATTS (RESISTIVE) 500 WATTS (INDUCTIVE).



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