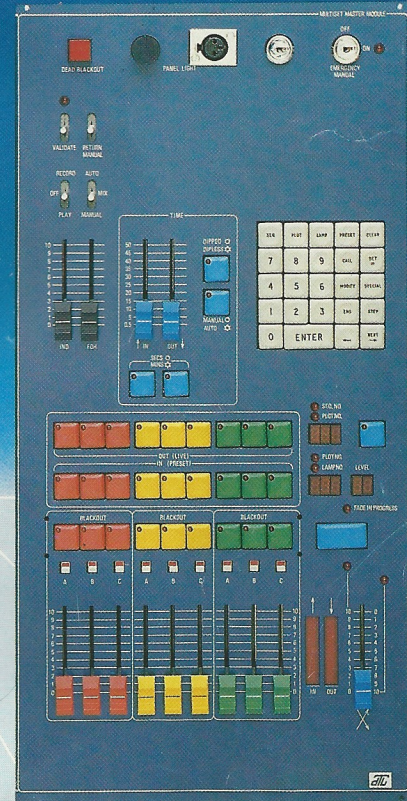
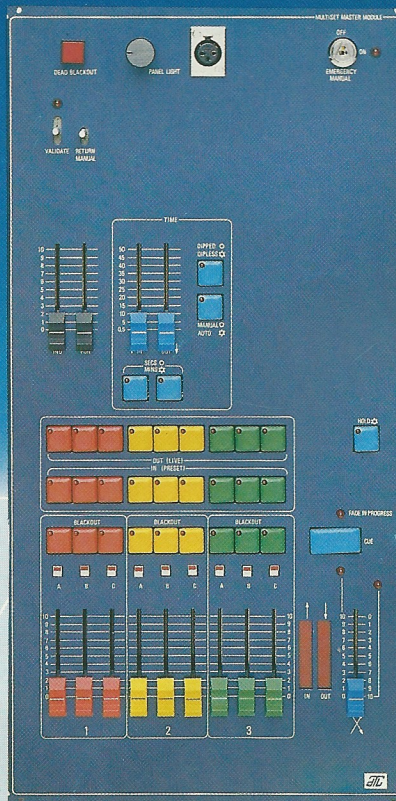
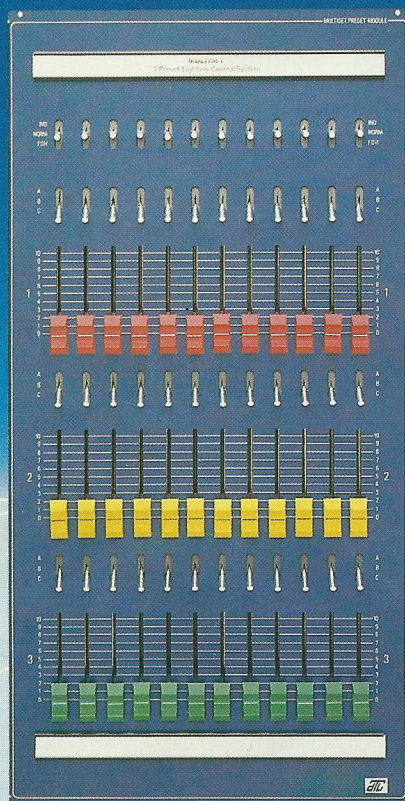


dynamic technology limited



Multiset – Modular Lighting Control System



Multiset-Modular Lighting Co

• 3 Preset Manual Control System

• Optional Memory Providing Automatic Preset

• Modular C



12 Channel Preset Module

The PRESET module provides control for 12 channels. Each channel may be controlled in NORMAL, INDEPENDENT or FRONT OF HOUSE mode, (F.O.H) mastered by the MASTER module.

NORMAL mode:

Channel controlled by the selected MASTERS, channel PRESETS and CROSSFADER.

INDEPENDENT mode:

Channel controlled by the GROUP 1 preset and INDEPENDENT MASTER only.

F.O.H mode:

As for NORMAL mode, but additionally controlled by the F.O.H. MASTER.

Each of the three CHANNEL PRESETS may be switched to one of three MASTERS within the appropriate GROUP, giving a total of 9 GROUP MASTERS (3 SCENE 3 PRESET control).

PRESET modules link to each other, or the MASTER module by simple 'ribbon' cables and by a similar ribbon header to the control inputs of the dimmers via a terminal block. Up to 10 PRESET modules may be linked to give 120 channel control.

The basic, MANUAL PRESET module may be upgraded to include AUTO PRESET facilities by the addition of an AUTO PRESET PCB which plugs directly into an expansion plug on the standard PRESET module.

The module includes output buffers capable of driving a load of 10 mA per channel (nominally 10 dimmers).

General

Multiset is a unique modular lighting control system, designed to combine the facilities of a traditional 3 PRESET CONTROL SYSTEM with advanced automatic facilities from an optional electronic memory.

Multiset is particularly useful for theatre and clubs, where shows are frequently changed without sufficient time to construct lighting plots via small memory systems employing keypad circuit selection, and level adjustment via a single channel controller. The traditional 3 PRESET MANUAL FACILITIES of MULTISSET, which provides a fader per circuit, is also attractive from its reliability and simplicity in maintenance.

A Multiset system comprises a number of 12 CHANNEL PRESET MODULES, and a choice of either a MANUAL MASTER MODULE or an AUTOMATIC MASTER MODULE if the electronic memory option is required.

A multiset system has a maximum capacity of 120 channels in multiples of 12.

Control System

Construction • Optional Automatic Fading Facilities • 120 Channel Capability in Multiples of 12

Manual Master Module

The MASTER module is available in two forms – MANUAL and AUTO, with the AUTO version including extra switches and an AUTO CONTROL module.

The standard MANUAL MASTER includes:-
9 GROUP MASTER faders
9 CHANNEL BLACKOUT switches
CROSSFADER and BARGRAPHS
INDEPENDENT MASTER fader
FRONT OF HOUSE MASTER fader
IN and OUT TIME faders and switches
CUE and HOLD switches
DEAD BLACKOUT switch
IN and OUT group control switches
and LED indicators
SCRIPT LIGHT and dimmer
ANALOGUE CLOCK
POWER KEYSWITCH

Each of the 9 GROUP MASTER faders may be selected to direct MANUAL status or to the CROSSFADER (IN and OUT). thus, DIPPED crossfades are achieved by the GROUP MASTER faders in MANUAL status. DIPLESS, TIMED crossfades are achieved by selection of the appropriate GROUP MASTERS to fade IN or OUT and then control by the CROSSFADER.

Crossfades may be MANUAL or TIMED. IN and OUT fade times may be independently controlled with values set on the TIME faders (up to 60 minutes) and fades may be HELD or reversed.

At all times, the status of the 9 GROUP MASTER faders is shown (LIVE or OFF) by the associated LED's, giving a clear indication to the operator. If VERIFY is selected, then the system ignores any key selection which would cause a step change in the lighting outputs, warning the operator either by audible 'BEEP' or flashing LED.

Automatic Master Module

The AUTO PRESET option provides the means to set up, store in memory and playback lighting PLOTS of up to 120 channels.

In addition to the facilities provided by the MANUAL MASTER MODULE, the AUTO option includes a 24 key control pad and 8, 7 segment LED displays to allow control and review of the AUTO facilities.

Playback of a complete lighting SEQUENCE of up to 1880 CUES can be accomplished by operation of a single key at the appropriate lighting CUE.

The AUTO facilities can be used in place of, or together with, the MANUAL facilities normally available, allowing very flexible operation of the system and a degree of inbuilt 'back up'.

Features:

CAPACITY:
200 PLOTS (up to 120 channels)
20 SEQUENCES (each up to 99 CUES)

SETTING PLOTS:

Plots may be entered via the keypad or by single key 'read' of the MANUAL desk settings.

PLOT PLAYBACK:

Any stored PLOT may be called directly into the 'NEXT' window for subsequent fade IN.

SETTING SEQUENCE:

Sequences are set up via the keypad from stored PLOTS and include IN and OUT time values between PLOTS.

SEQUENCE PLAYBACK:

Sequences may be played back using the stored TIME values or values set on the MANUAL desk.

FADE CUES:

Cues may be initiated using either the CUE switch or the CROSSFADER and can be independent of MANUAL cues.

MODIFYING:

Stored SEQUENCES or PLOTS may be easily modified using the keypad.

SECURITY:

All AUTO data is maintained in memory independently of the system power.

Optional V.D.U. Mimic

The V.D.U. mimic display facility is an optional item for use with the AUTO MULTISSET. The mimic facility is provided by means of a P.C.B. which is connected to the Master Module. This mimic display unit generates a composite video output for use with a 625 line monochrome picture monitor. The displays provided include:

ON/OFF OUTPUT STATUS –

shows the output level of each channel together with the crossfader values.

PRESET STATUS –

shows the level for each channel for any selected plot held in memory.

SEQUENCE DISPLAY –

provides a running display of a sequence, showing the PLOTS called, recorded time values and currently active cue.

Optional Cassette Interface

The optional Cassette Interface enables Multiset lighting plots to be recorded on tape and recalled back into the system when required.



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(Member of the London Weekend Television Group of Companies)

Dynamic Technology offers a wide range of products including lighting control systems, dimmers, television machine remote control systems, vertical interval source identification and message sending systems, audio and video test equipment, mobile control vehicles, and turnkey installations. The company will also be pleased to supply additional information upon request.

Dynamic Technology is constantly developing, improving and changing its product line. All descriptions, illustrations and specifications in this publication present only general particulars of the goods to which they refer and shall not form any part of any contract. The right is reserved to change the specification without prior notification.

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