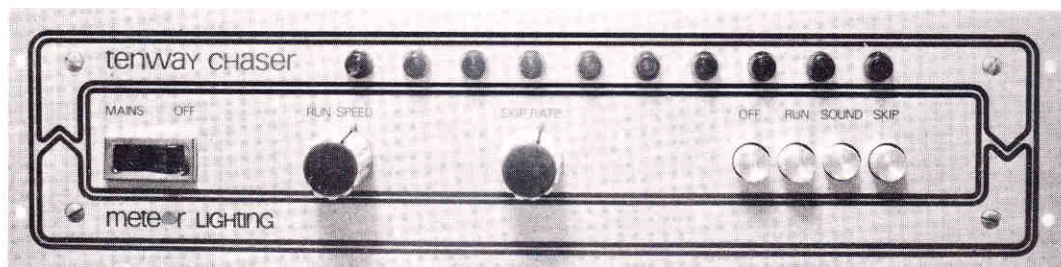


PROFESSIONAL LIGHTING CONTROLLERS and Special Effect Units

Meteor Lighting's range of sophisticated lighting control units for the professional club or theatre installation where continuous fault-free operation is essential and maximum flexibility of usage desirable.

All these units have a 14" (35.5cm) wide front panel, for



panel mounting, finished in satin anodise and printed with an explicit two colour graphic design.

These controllers can be used in combination to provide a continuously changing and exciting lighting environment.

Audiofect Controller

A three channel, 2000 watts per channel, all solid state electronic controller which produces a variety of different effects with or, without, sound. (1000 watts per channel @ 115v).



Facilities:

Channel Selector:

enables you to select out individual channels for any mode. For example in the 'dim only' mode, this selector is useful to achieve mood and atmosphere by setting a low level of one colour only.

Dimmer:

sets the static light level on all, or individual channels. On the motion modes the dimmer sets the level the lights return to when pulsating to prevent black-out when the music stops.

Dim Only:

in conjunction with the master dimmer, this setting can be used for a 'house lights' function.

Audio Sync:

music is separated into it's three basic frequencies (Base, Middle and Treble) and converted into light reaction on each channel. Unique automatic gain control (A.G.C.) and frequency analysis control eliminates the need to make manual gain adjustments so that the response to music on any sound system, with excellent separation, is the same irrespective of the input volume.

Audio Chase:

each channel switches to the next in a chase sequence in response to the music.

Auto Chase:

operator controlled chase facility using a speed control. A wide range of speeds can be achieved, from gentle colour change (11 cycles per min.) to strobing (5 cycles per sec.)

*See also Crossover Module and Zoning Modules.

Specification:

Audio input is fully isolated to eliminate feedback and 'earth loops' to the amplifier. Input impedance is 1000 ohms purely resistive. The unit is suppressed to within B.S.800 to obviate interference.

Lamps pre-heat to extend life.

The switching devices are fully protected against external short circuit by six 5 amp high speed fuses. The 3 channels are branch fused, to six circuits of 1000 watts each. Unlike most other controllers of this type the Audiofect will safely handle low voltage fittings and dimmable fluorescents, provided the best quality low surge transformers are used and the outputs are derated according to our operating instructions.

Output connections are made with easy-to-use plug and socket barrier strip connectors.

Data

Audio input:	From 3—3000 watts R.M.S. @ 4 ohms. 2—1200 watts R.M.S. @ 8 ohms. 1—600 watts R.M.S. @ 16 ohms. 100 volt line to order.
Output:	240v — up to 2 KVA per channel 115v — up to 1 KVA per channel
Panel:	5" x 14" / 127mm x 355mm
Console cut	4½" x 13¼" /
cut out:	113mm x 333mm
Weight:	8lbs/3.5kls

Sound to light Projections

"Wouldn't it be fantastic if projected effects could be made to work with sound!" How often have you heard club people say this?

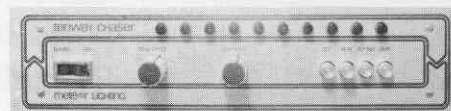
Well now it's not only possible, it's commercially available. For use in conjunction only with the Audiofect controller, and don't try others — they may not be

suitable for l.v. fittings, all Meteor's projectors from the 100 to the Major, are available to special order in sound to light versions. Until you have seen liquid wheels or Kinetic effect projectors working on sound to light, one on each channel, you ain't seen nothin' and with nudey transparencies, well that's something else!

Tenway Chaser

A ten channel, 1000 watts per channel, all solid state sequential switching device which is sound triggered or operator managed by an adjustable speed control. Ten channels are used so that an actual trace is achieved, not possible with fewer channels.

The Tenway Chaser is especially recommended to control long lines of lacquered 15 watt pygmy lamps supplied by Meteor. Using mirrors, a seemingly endless progression of tiny fireflies, like bursts of tracer, disappear into the distance.



Facilities:

Run:

sequential chase at a constant speed set by the adjustable run speed control. From 1 cycle per sec. to 60 cycles per sec.

Sound:

sequential chase in response to music, the visual effect can be altered by adjusting the run speed control. The lamps dart forward to give visual effect to the total sound. In common with the other units in this range, the Tenway Chaser has an A.G.C. circuit (see Audiofect Controller).

Skip:

for use with either of the above modes, this facility automatically and continuously reverses the direction in which the lamps travel.

Skip Rate:

sets the interval between each automatic change of direction.

*See also Crossover Module and Zoning Modules.

Specification:

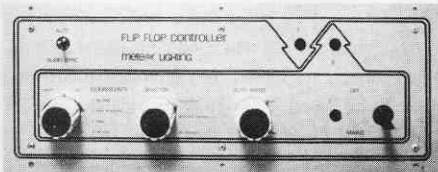
The Tenway Chaser is built to the same high standard as the Audiofect Controller with the same specifications, plus: No dimmers are employed, so zero voltage switching is used to eliminate all possibility of audio interference. Short circuit protection in the 240v model is provided by using 10 amp switching devices under-employed and protected by 5 amp high speed fuses on each 1KW channel. One 10 amp semiconductor fuse is used on the 115v model.

Data

Audio input: From 3–3000 Watts R.M.S. @ 4 ohms.
2–1200 Watts R.M.S. @ 8 ohms.
1–600 Watts R.M.S. @ 16 ohms.
Output: 240 or 115v – up to 1KVA per channel.
Panel: 14" x 3½" / 355mm x 88mm
Console cut-out: 13 ⅞" x 3 ⅞" / 333mm x 79mm
Weight: 8lbs / 3.5kls

Flip-Flop Controller

A two channel all solid state unit which will pulsate suitably modified twin fluorescents (see u.v. to Red Strobe) and pairs of strobes* in the same installation.



Facilities:

Selector: enables selection of the fittings to be pulsated: Fluorescents – Alternate strobes – All strobes. In the first two of these settings, as the name of the unit implies, each tube or strobe is flashed alternately.

Auto/Audio: provides the alternative of sound triggered reaction (with A.G.C.) or operator controlled automatic pulsation on all settings.

Fluorescent Control:

varies the ratio of 'on' time which can be achieved with fluorescents by adjusting the emphasis on one tube or the other. By using the extreme limits of this control it is possible to have either, all the U/V tubes, or all the red tubes, on without pulsation should this be required to create atmosphere. Up to 12 40w fluorescents can be employed on each channel for 220-240v operation or eight per channel at 115 volts.

*For strobe information, see appropriate data sheet. See also Crossover Module and Zoning Module.

Specification:

The Flip-Flop Controller is built to the same high specifications as the other units in this range with regard to input protection, suppression and short circuit proofing. Two separate strobe trigger outputs for up to 5 strobes per channel, fully isolated.

Data

Audio Input: 3–3000 Watts R.M.S. @ 4 ohms
2–1200 Watts R.M.S. @ 8 ohms
1–600 Watts R.M.S. @ 16 ohms
Output: 220–240v up to 500 W per channel (fluorescent)
110–120v up to 320W per channel (fluorescent)
Up to 5 strobes per channel
Panel: 14" x 5" / 355mm x 127mm
Console cut-out: 13 ⅞" x 4 ½" / 333mm x 113mm
Weight: 7lbs / 3kls

U.V.–Red Strobe

A 4' twin fluorescent fitting with built-in dimming ballasts, for use with the Flip-Flop Controller. It is supplied complete with one 40 Watt black light ultra-violet tube and one red covered 40 Watt MCF/E quick-start white tube.

The dimming ballasts used are of the best quality ensuring low temperature rise and quiet, reliable operation in ambient temperatures of up to 50°C.

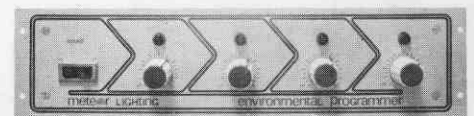
Data

Dimensions: 4'7" x 3.75" x 4.3"
1241mm x 95mm x 110mm
Weight: 12lbs / 5.44kls
Mains Power: 220–240v or 110–120v

Environmental Programmer

A four channel sequential long delay timing unit, recommended to control lighting features.

Each channel offers an 'on' facility adjustable from 0–20 mins, before automatically switching to the next channel. At the end of each complete cycle the programmer automatically returns to the first channel in use, or two programmers can be linked to provide additional channels. Any channels not in use are automatically bypassed.



A dramatic central feature of continuously changing effects can be achieved with the Environmental Programmer, for example:

Channel 1: Lazerfect 10 mins.
Channel 2: Maxisplode 5 mins.
Channel 3: Colamatic or Polamatic Carousel – 81 effects over 20 mins.
Channel 4: Audiofect Controller linked to 3 effect projectors 15 mins.

Data

Output: 220–240v up to 2KVA per channel
110–120v up to 320 W per channel
Panel: 14" x 3½" / 355mm x 88mm
Console cut-out: 13 ⅞" x 3 ⅞" / 333mm x 79mm
Weight: 7lbs/3kls

Colamatic Carousel

If you are looking for endless variety and instant eye-riveting excitement for a major feature, the Colamatic Carousel has to be it.

The famous Carousel, described in detail in our data sheet 'Polamatic Range', loaded with 81 hand painted, brightly coloured graphic slides. By propelling a chromatic wheel at high speed in front of the lens, strobing colour changes occur within each image. All this is built onto the projector and, of course, the 81 images keep automatically changing at adjustable intervals like magic before your very eyes.

For the full set-up use two Colamatic Carousels with 162 different slides linked to a Meteor Crossfade unit (see also Polamatic range) and watch the images mysteriously dissolve one to the other without a break. The Colamatic Carousel is an ideal back projection feature in its own right or as part of an image extravaganza controlled by Meteor's Environmental Programmer.

Lazerfect Unit

The most fantastic, yet chic, professional effect unit yet developed and now made to a realistic price. The Lazerfect harnesses the pencil beam and brilliance of a genuine helium neon laser and modulates it to sound. A perfect brilliant red trace illustrating the music as an ever changing spirographic pattern on the wall, or screen, is achieved without controls of any kind.

The Lazerfect unit employs a quality, rugged, longlife laser using a high quality and reliable aluminium coaxial laser tube and is instantly self-starting to full power. A built-in A.G.C. and frequency analytical pulse modulator, ensures continuous and lively response to audio without the need for continual operator adjustment. The light output, for the 10,000 hrs. rated tube, is 1.0 milliwatt pure red. The Lazerfect is perfectly safe for open use in a club and an ideal back projection feature. The Lazerfect unit can be free standing or ceiling mounted, via a special gimball spigot, and connected to any amplifier or speaker terminals without loading or

interference. (Input impedance 1500 ohms purely resistive).

Data

Audio input: 3—3000 Watts R.M.S.
@ 4 ohms
2—1200 Watts R.M.S.
@ 8 ohms
1—600 Watts R.M.S.
@ 16 ohms
100 volt line to order
Mains Power: 220—240v AC 50/60 Hz
110—120v AC 60 Hz
Beam Diam. $1\frac{1}{16}$ " initial — divergence
2mRad
Dimensions: 20" x 7" x 6 $\frac{1}{2}$ "/
508mm x 178mm x 165mm
Weight: 16lbs. 6oz. / 7.2kls

Modules

A range of compatible standard sized control modules, four of which rack together into a standard width Meteor chassis, to provide the finishing touches to any installation.

Zoning Modules:

are available for all the controllers so that the facilities provided can be zoned to different areas within the installation.

Crossover Amplifier:

to provide the sound signal to up to six controllers, with a crossover facility to enable the operator to switch from a recorded music sound source, to a live music sound source from a microphone. Thus the same controllers can be used for both live music and discs. For discotheque use the Crossover Amplifier is normally connected to the magnetic pick-up via the deck to deck crossover switch on the discotheque mixer, provided the pick-up has an output voltage of between 3—20MV. While this will require a simple modification on some mixers, it eliminates the irritation of lights flashing to the D.J.'s voice, or jingles, between records. As the music stops, the lights freeze.

This unique module is suitable only for use with Meteor Controllers.

Microphone Adaptor:

A microphone, suitable for use

with the Crossover Module, housed in a neat ceiling mounting case ready for installation above a stage and with output connections back to the Console.

Master Module:

to control the mains supply for up to 5 Meteor controllers, so that only one can be 'on' at a time to eliminate operator abuse and ensure that the controllers are used to provide maximum variety as intended.

Remote Strobe Module:

provides finger-tip control over an individual strobe in a remote situation, such as a stage strobe which requires operator control from the D.J.'s console.

12 Way Switch Panel:

twelve 5 amp red neon illuminated rocker switches, each individually fused, neatly packaged in a standard Meteor case and panel dressed-up in our livery.

Data

Power: 220—240v or 110—120v
versions available.
Dimensions: 3" x 5" x 6" /
76mm x 127mm x 152mm
Console (4 module rack and 12 way
cut-out: switch panel).
13 $\frac{1}{8}$ " x 3 $\frac{1}{8}$ " /
333mm x 79mm

Additional Facilities

Meteor Lighting provide a unique club lighting planning facility, to ensure that these controllers are used to best advantage, which includes designing the scheme onto architects plans, recommending fittings and placement for best effect, and providing full 'idiot proof' wiring specifications for the contractor.

All controllers are guaranteed for six months against faulty parts and workmanship.

This guarantee is backed up by Meteor Lighting's unique 'sameday' exchange service.

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