

Orion



for

T O T A L

flexibility

zero 88
A touch of Brilliance

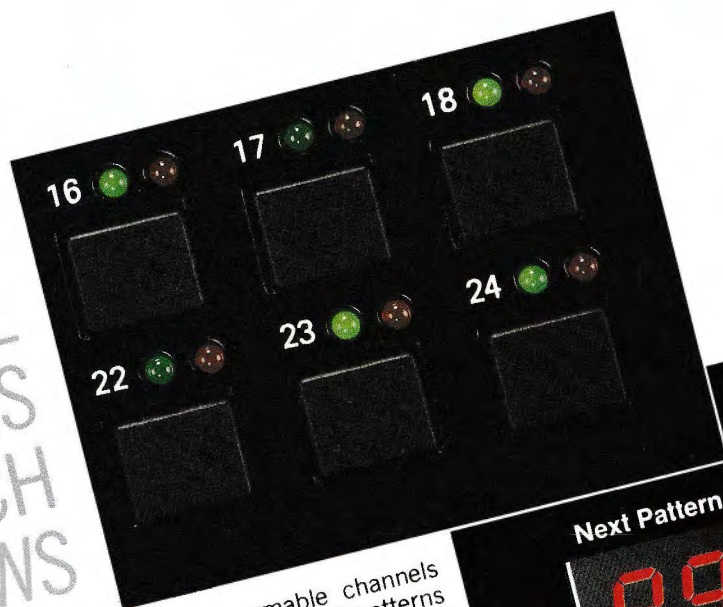
Orion

F O R · T O T A L · F L E

PRODUCT LAUNCH
PRESENTATIONS
DISCOTHEQUES
SHOP WINDOWS
MUSEUMS
ENVIRONMENT
ART GALLERIES
THEME PARKS
AUDIO VISUAL
DISCOTHEQUES
TRADE LAUNCH
FASHION SHOWS
PRODUCT LAUNCH
PLAY
SHOWS
MUSEUMS
ENVIRONMENT
ART GALLERIES
THEME PARKS

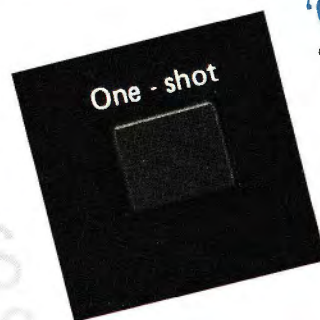
Orion is the all purpose controller that offers total flexibility to creative lighting and appeals to a wide variety of user.

From Hotels and shopping malls to Audiovisual presentations and discotheques, Orion is a user friendly, sophisticated package of advanced technology.



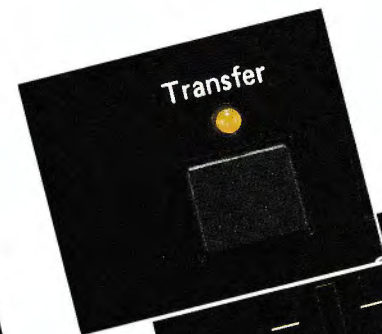
24 programmable channels can create up to 99 patterns using up to 1000 steps of memory.

Up to 99 patterns or chases each with up to 99 steps or scenes (max 1000 steps).

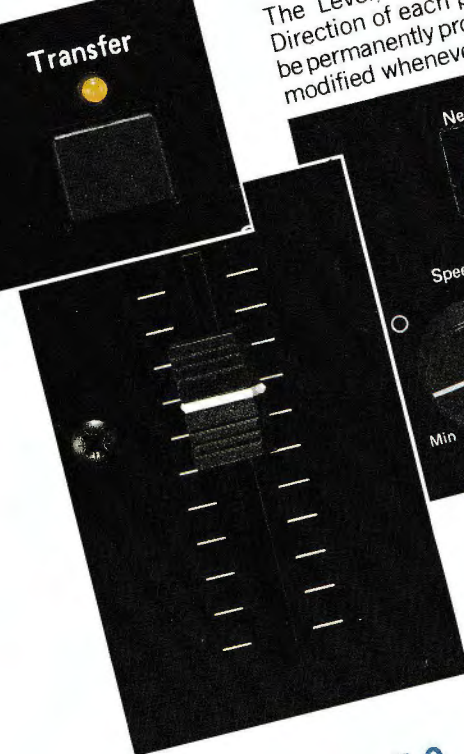


'ONE SHOT'

'One Shot' - the programmed event for that special high spot, any one of the recorded patterns may be memorised to activate each time the 'one shot' button is pressed, overriding any pattern in progress for the duration of the press or the length of the 'one shot' pattern.



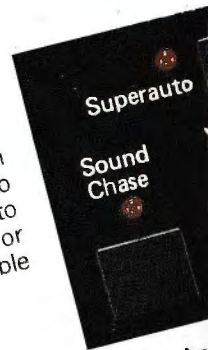
The Level, Speed, Attack and Direction of each pattern can all be permanently programmed and modified whenever required.



Next patterns are recalled by pressing the '+' or '-' buttons and sent to output by the transfer button.

SUPERAUTO An Automatic Light Show

Any or all of the patterns in memory may be programmed to be run by 'Superauto'. Superauto will either randomly select or sequence through these available patterns.



X I B I L I T Y - I N - L I G H T I N G - C O N T R O L

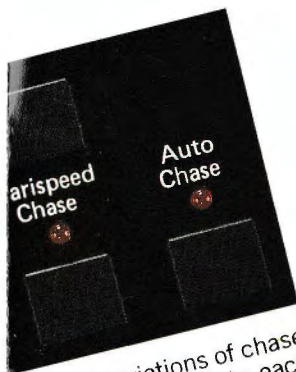


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EXTERNAL PATTERN SELECTION

Orion can be programmed so that up to 12 of its patterns can be remotely selected one at a time. These 'E' patterns may be accessed from a Touchlight 12, up to 12 user supplied buttons, or an external timer.



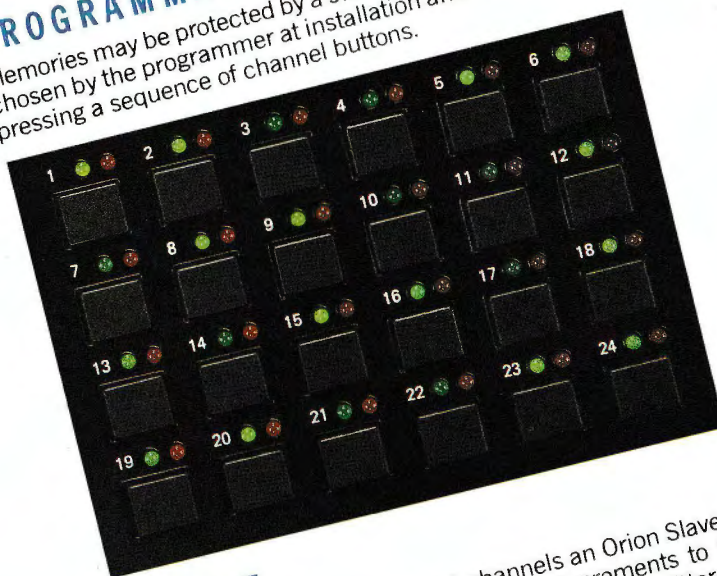
one of 3 variations of chase
y be programmed into each
tern in Memory.

DISPLAY LIGHTING

For application in the display lighting field, chases may be considerably slowed so that a complete cycle of 24 channels could take as long as 20 minutes.

PROGRAMMABLE SECURITY CODE

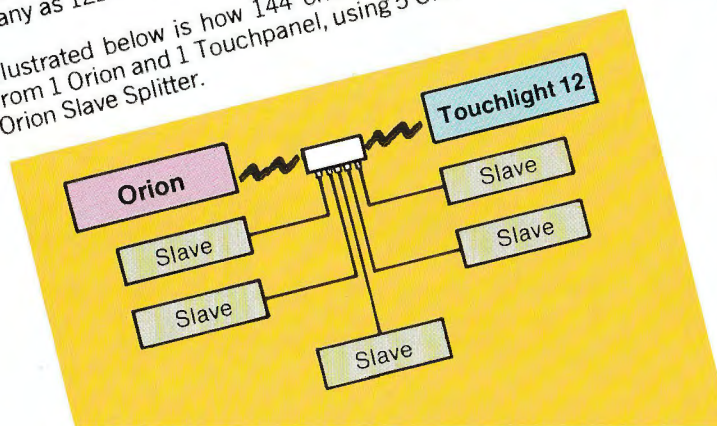
Memories may be protected by a security code. This code is chosen by the programmer at installation and is entered by pressing a sequence of channel buttons.



SLAVE

For installations in excess of 24 channels an Orion Slave is available. A Slave will add 24 channel increments to the system (24, 48, 64 etc.). Used with Orion Slave Splitters as many as 1224 channels can be controlled from 1 Orion.

Illustrated below is how 144 channels may be controlled from 1 Orion and 1 Touchpanel, using 5 Orion Slaves and 1 Orion Slave Splitter.



CLIC TRAC

There are many installations particularly in the Audio Visual Industry where a tone on a tape track is used to initiate an external event such as a slide change. The special A.V. tape machines have either an Audio output or a switch contact (or both). Orion has been specially designed to work with either output.

MOVING LIGHTS

Orion is frequently and successfully used as a cost effective method of controlling 'moving' or 'intelligent' lights.

With 24 channels of 0 to +10 volts control signal available, up to 4 normal six function moving lights can be controlled by one Orion (more when slaves are used).



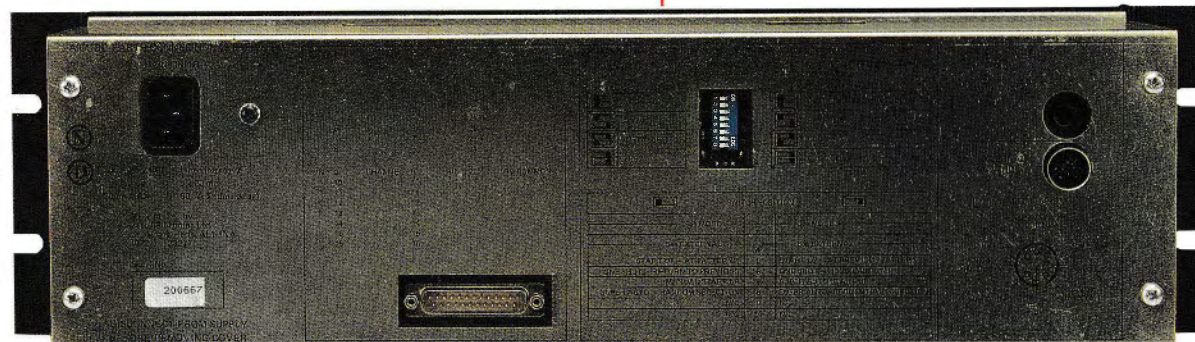
A comprehensive set of user friendly programming instructions and manuals are supplied with every Orion.

Orion

A general purpose 24 channel low voltage lighting controller with 99 programmable level memories. Each memory may be used to hold a pattern of up to 99 steps with up to 1000 steps in total per Orion. These memories can be protected from unauthorised programming by a security code decided and entered at the programming stage. Remote and Clic Trac operation are standard features. Orion may also be used with a Touchlight 12.

ORION SLAVE

For installations in excess of 24 channels an Orion Slave is available. A Slave will add 24 channel increments to the system. When used with a Slave Splitter (Stk No. 184) as many as 1224 channels may be controlled from one Orion master.



ACCESSORIES

25 WAY SPLITTER 'D' TO TERMINALS

The output from controller to the Power Packs is via a 25 way 'D' plug. The 'D' plug and socket is very economic and is one of the most commonly used in the world as it is used in almost every computer installation. To make installation quick and easy, Zero 88 have produced a 25 way 'D' mounted on a p.c.b. which has a screw terminal for each output and is clearly marked with wiring instructions. Just another example of our caring approach.

25 WAY SPLITTER 'D' TO DIN SOCKETS

For the installer who prefers to use ready made 5 pin DIN leads, Zero 88 have produced a 25 way 'D' mounted on p.c.b. which has 6 DIN sockets fitted and wired ready for use. This is particularly useful for replacing the controller in an existing system.

ORION SLAVE SPLITTER

This convenient accessory enables Orion and Slave and/or Touchlight 12 to be easily connected. Using multiple Slave Splitters, a single Orion can theoretically control up to 1224 channels.

TOUCHLIGHT TO ORION INTERFACE

Converts the twelve output signals from a Touchlight 12 into a format suitable for the Orion. May also be used with up to twelve user supplied switches.

MAINS CONDITIONING UNIT

All micro-processor based electronics are occasionally affected by interference on the incoming mains supply. Zero 88 has designed a Mains Conditioning Unit to help alleviate some of the problems experienced in the field. The unit can be used with any equipment experiencing strange problems with micro-processor based control.

TECHNICAL SPECIFICATION

Power Supply	200/265v 50/60Hz, or 100/130v 50/60Hz
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Outputs	24 channels (via diodes, maximum output 5ma continuous) 0 to +10v analogue, or 0 to +10v switched, or 0 to +10v, 10ms pulse (for strobes), 25 pin Cannon 'D' plug connections: Pins 1-24 are channels 1-24, pin 25 is 0v
Audio Input	Stereo, greater than 30 mv, input impedance 22k Ω
Clic Trac Tone Operation	Accepts a 100 - 150Hz tone
Size	133 x 90 x 483mm (5 1/4" x 3 1/2" x 19")
Net Weight	3.5kg (7lb 8oz)

COMPLIMENTARY PRODUCTS

All these products form part of the Zero 88 integrated Club lighting control system. Each controller in the system uses dioded outputs which may be 'mixed' with the output from any

other (eg. a fader panel or effects controller) on a 'highest wins' basis.

MERCURY

A 4 channel, 4 zone low voltage effects controller producing 14 different patterns which may be assigned to any (or all) zones. Mercury has an additional 8 dual purpose low voltage push switches which may be 'programmed' at installation for either motor or matrix control.

TOUCHLIGHT 12

A simple 12 channel, dual function (touch, latch) touch panel with a built in varispeed random chase which will synchronise to music when an audio signal is present.

DELTA 5 and SIGMA 5

4 Channel x 5 Amp dimmer (Delta) and switch (Sigma) packs. The base, common to both packs, houses all the mains and signal connections. The top, connected to the base by three simple plugs, houses the electronics. Both will control inductive loads. Available Options: 100-130v US/Japanese, and a special NEMKO approved model.

RACKMOUNTING DELTA 5 and SIGMA 5

Three packs may be rack mounted using a Rackmount/Venting Kit (Stk No. 139). A Rack Spacer is available to fill the gap where only two packs are used.

THE ACCESSORY PANEL SYSTEM:

A range of panels which fit a 13cm square box to BS4662 standard (eg MK Gridswitch), or may be mounted three at a time into a rackmount kit (Stk No. 199).

CARTRIDGE PANEL

For simple effects lighting, the Cartridge panel together with Zero 88's unique system of 4 channel Cartridges, offers comprehensive effects control.

FOUR FADER PANEL

A simple 4 channel fader panel giving fingertip control of lighting. May be combined with the Cartridge panel and one Delta 5 to give a steady background over which the effects pulsate.

ACCESSORY BLANK PANEL

May be used to mount switches upon, or simply fill a gap in a Rackmounted system.

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Hart Road, St. Albans, Hertfordshire. AL1 1NA England.
Telephone: St. Albans (0727) 33271
Telex: 22521 ZLIGHT G. Fax: (0727) 43676

USA
ZERO 88 INC.
PO Box 14982, North Palm Beach, Florida FL33408, USA.
Telephone: (407) 842 2263 Fax: (407) 842 8855