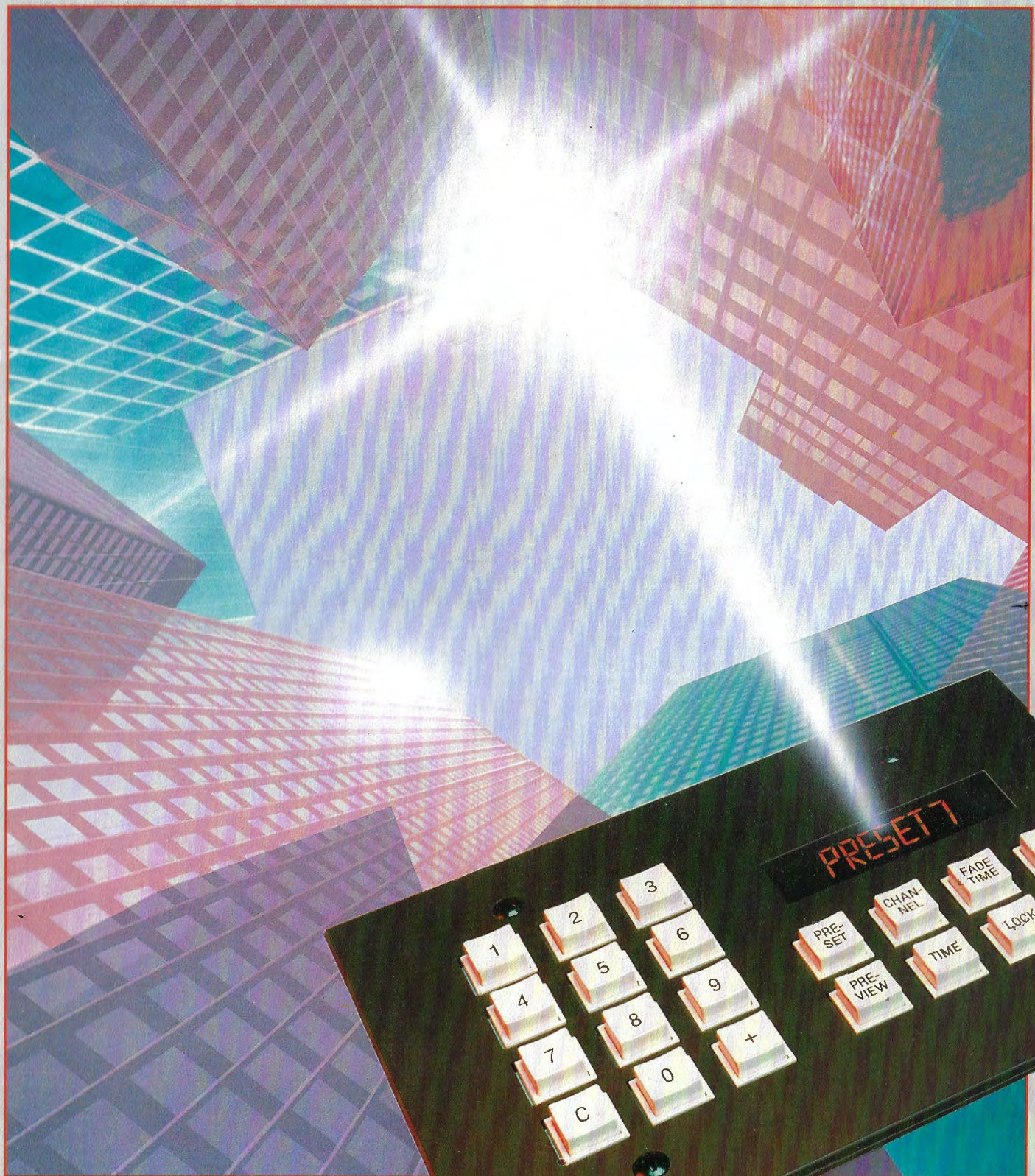
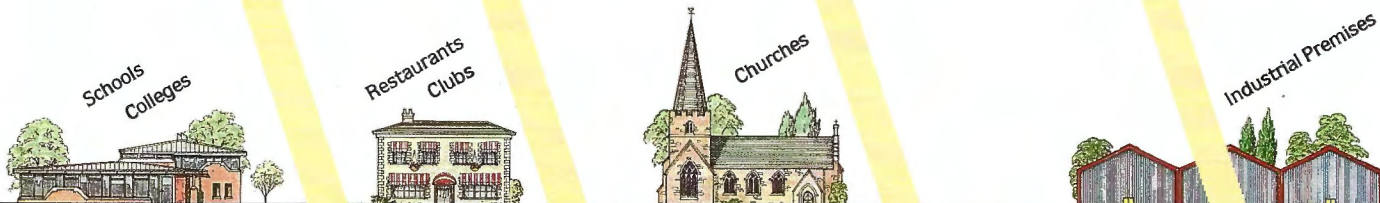


ENVIRON

LIGHTING CONTROL



Strand Lighting

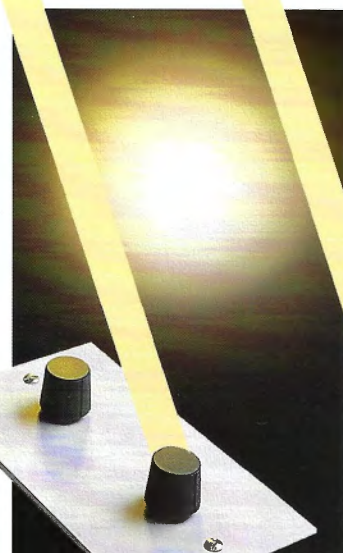


SIMPLE, UNOBTRUSIVE CONTROLS

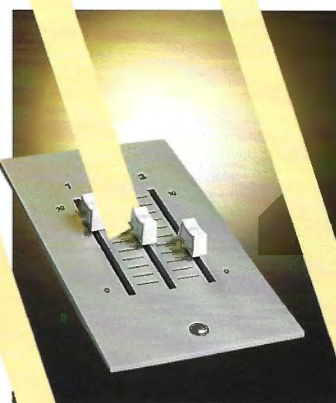
Flush-mounted, low-voltage outstations, no larger than conventional room switches, are all that is required in controlled areas whilst actual dimming equipment can be remotely sited.

Environ 2 outstation panels include single and multi-gang rotary controls, slider faders and push-button units with LED displays. Four-pushbutton units provide control for three lighting levels—preset on the dimmers—and 'off'. 'Take Control' outstations, ideal for lecture halls, have a slider fader and a push-button which transfers instant control to the user. 'Up-Stop-Down' outstations, have three pushbuttons for increasing light, decreasing, or holding.

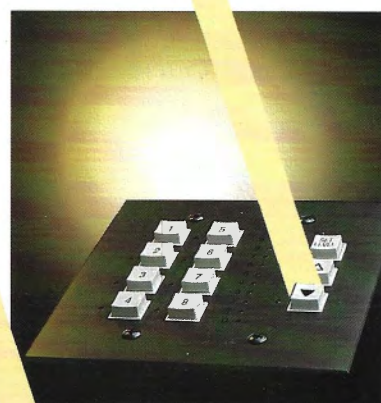
Panels are attractively finished as standard in matt satin anodised aluminium. Other finishes and special panels are available to order.



2-Gang Rotary Outstation

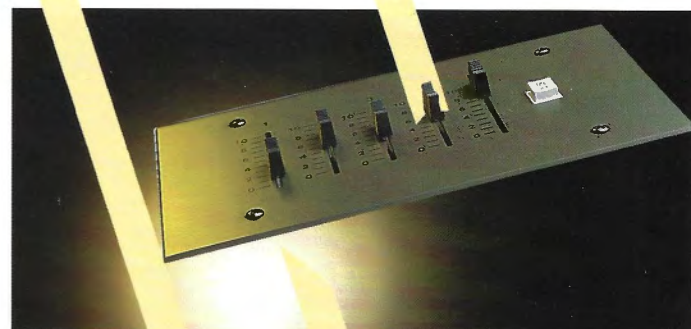


3-Gang Fader Outstation

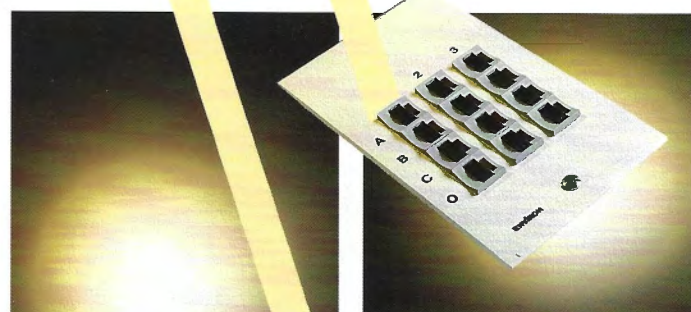


8 Preset Control Station

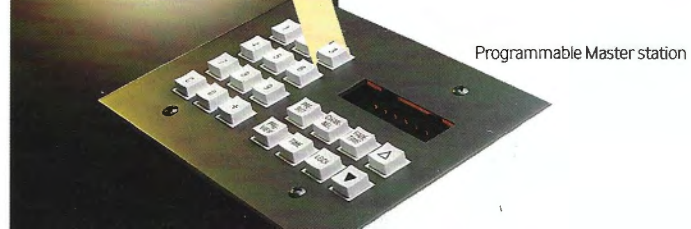
Environ Programmable Lighting Control offers the ultimate sophistication for large lighting systems. A fundamental benefit of Programmable Control is the ability to create then record lighting scenes from local panels, in a number of different areas or rooms. A timed fade to any 'scene' (Preset) can then be either initiated at the touch of a local pushbutton or activated automatically at required times on required days. A complete range of control stations is available to enable selection of appropriate types to suit requirements: type of control, number of channels, number of available presets etc.



Fader Control Station - 4-Gang plus master



3-Gang Pushbutton Outstation



Programmable Master station

Hotels



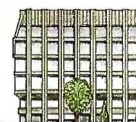
Shopping Precincts



Hospitals



Offices



ENVIRON LIGHTING CONTROL

For over 70 years, Strand has been leader and major innovator in lighting and control systems for the world of entertainment and leisure.

Experience gained in equipping theatres, television and film studios throughout the world has provided invaluable insight to the development of special ranges of dimmers and controls for architectural applications. Environ products and systems are well-established and widely specified for buildings of every size and type.

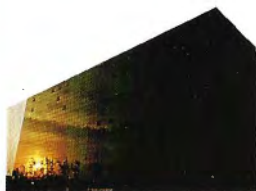
Now, with the introduction of Environ Programmable Control, the architect and designer can effectively utilise comprehensive and subtle lighting control as an integral part of the overall building environment. Whether the need is for efficient functional lighting with maximum energy-saving, for imaginative decorative lighting with special effects, for display or other purpose-designed application, there is an Environ control system that will provide the answer.



The Lobby - London Hilton on Park Lane.



The 'British Harvest Restaurant' London Hilton on Park Lane.





COMPLETE LIGHTING FLEXIBILITY

—that's what it's all about!

Lighting control at its simplest is just the facility for switching On—or Off! Environ lighting control offers an unlimited range of possibilities between these two states, including sophisticated 7-day programming with adjustable preset levels and fade rates.

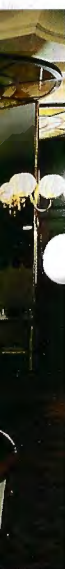
An Environ lighting control system can be exactly what you want it to be—a single self-contained dimmer for a small bar or restaurant, or a complete programmable control system for a building with diverse activities which calls for differential lighting throughout the day and night.

A large hotel has to provide for many activities simultaneously. Progressive levels of lighting in a reception area can mark the changing atmosphere as day progresses towards evening. Ambience is all-important in the dining room, where appropriate lighting scenes can be created for the different meal-times and activated automatically at required times. Many public rooms in hotels are multi-functional. An Environ system ensures a quick change of lighting facilities from a business meeting with lectures and audio-visual presentations to a dinner dance. Room combination partitions can be catered for, so that control panels operate the lighting in exactly the area required.

In showrooms and retail outlets, programmable display lighting and effects arrest attention and create interest in the product. Photo-cell controls in combination with Environ dimmers in libraries, museums and other public buildings ensure most economical use of artificial lighting without sacrifice of efficient illumination levels. Conference centres, factories, churches and hospitals, front-of-house cinema and theatre areas are among the many other types of buildings that can benefit from efficient, controllable lighting.

Environ means lighting control systems to suit every occasion and every type of premises.

As another example, an office building, where energy saving is important, can have levels of general lighting preset and programmed to suit occupancy patterns. Individual workstations can have local control with facilities to adjust to various tasks, such as high level for paperwork and lower levels when using a VDU. At the end of the day, an overall level of lighting suitable for office cleaning, can be established, followed later by a much lower preset level for security purposes.



The 'Restaurant Canopy' — Sheraton Park Tower Hotel, London.



The 'Conservatory' — Sheraton Park Tower Hotel, London.



Brasserie de la Paye — Cardiff.



The 'Conference Room' — Queen Elizabeth Conference Centre, Westminster.



Queen Elizabeth Conference Centre.

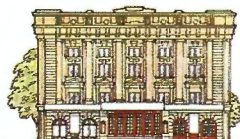


Pizza Hut.

Environ 2 Modular Plug-in dimming system



Theatres
Cinemas



Airports



Art Galleries
Museums



Sports Centres
Conference Centres



ENVIRON PRODUCTS AND SYSTEMS

Environ Programmable Control

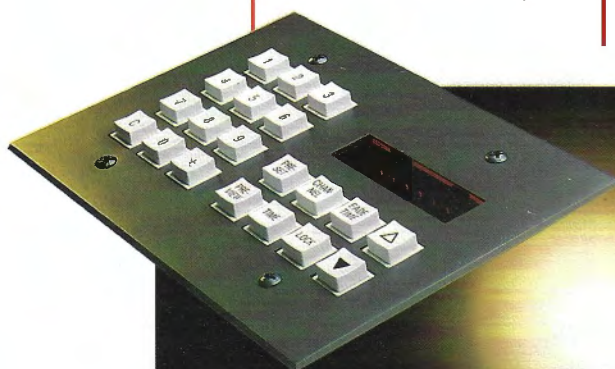
- Microprocessor Control System customised to suit the requirement by plug-in non-volatile memory cartridge.
- Numerous sophisticated facilities including 7-day programmer.
- 'User-friendly' controls: full range of control stations to suit any application.
- Complete system can be controlled from a single Master Station panel.
- Wide range of dimmer modules to suit any project.

Environ 2 Modular Dimmers

- Six capacities—1.5kW, 4kW and 8kW for tungsten loads; 6A, 16A and 32A for fluorescent loads.
- Manual or Preset versions available: wide range of Control Outstations.
- Modular system permits use of Environ accessories to build up a bank of dimmers in any combination to fit dimming requirement.
- Plug and socket installation simplicity—base unit is mounted on wall and accepts plug-in dimmer unit.

Environ Economy

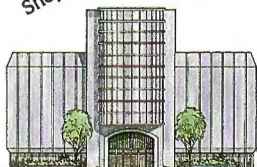
- Environ 2 dimmer electronics in an economy package.
- Control options: local control from rotary knobs supplied with each unit, or by remote Outstation.
- 4kW Tungsten and 16 Amp Fluorescent versions: remote control options include Fader, Take Control, or by 3 pushbutton outstation (single preset or Up/Stop/Down).
- Dual 1.5kW version: two separate 1.5kW tungsten dimmers in one unit (manual control, remote or local).



Strand Lighting offer a complete range of dimming systems for any installations



Shopping Precincts



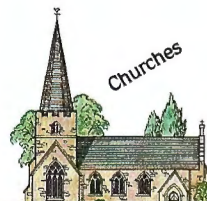
Hospitals



Schools
Colleges



Churches

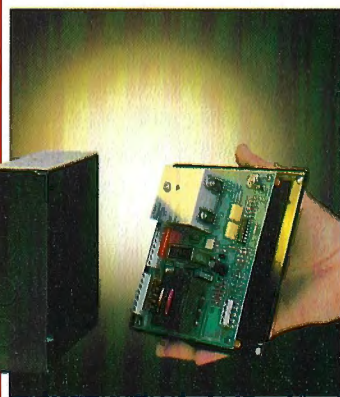


Hotels



Environ Mini Universal Dimmer

- Suitable for either Tungsten or Fluorescent loads.
- Control by integral knob on compact unit, or by remote control rotary knob, slider fader or by up to five 'Take Control' outstations.
- 5 Amps capacity – will dim six 6 foot T12, 75W tubes or similar load.



Fluorescent Dimming—Control Gear

Fluorescent luminaires to be dimmed must incorporate approved dimmable control gear. Both T12 (38mm) and T8 (26mm) tubes can be dimmed. Best performance is obtained with T12 tubes and Environ Dimmable Ballasts.



- Full range of dimmable ballasts available for T12 tubes up to 6 foot length.
- Adaptor units for twin fittings.
- Variants available for overseas markets.

Electrical Detail—extracts from the Specifications

- Ripple Reject—Environ 2 and Economy dimmers incorporate special cards to combat the effect of mains disturbance or mains-borne signalling.
- Interference suppression—international RFI requirements are met or bettered (BS800 and VDE 0875 level N, supply level G, load and control).
- Fusing—dimmers are available with either Reyrolle or continental (Diazed) fuse types.
- Transformer-fed loads: all Environ 2 Tungsten dimmers can be used to dim suitable transformer-fed loads either high (e.g. Cold Cathode, Neon) or low voltage.

Special Options:

- Dimmer Racks for larger projects built according to circuit loadings.
- Custom control panels to provide particular facilities.
- Special finishes according to requirement.

For further information and technical specifications please refer to Environ data sheets.



Strand Lighting

LONDON · PARIS
BRUNSWICK · LOS ANGELES
NEW YORK · TORONTO
HONG KONG

Rank Strand Limited,
PO Box 51, Great West Road,
Brentford, Middlesex TW8 9HR,
United Kingdom.
Telephone: 01-560 3171.
Telex: 27976

The company reserves the right to make any variation in design or construction to the equipment described.

SUPPLIED BY
FUTURIST LIGHT & SOUND

HOYLE HEAD MILLS, NEW STREET
EARLSHEATON, DEWSBURY, WF12 8JJ
TEL. 109241 468183/455586

HIRE - SALES - SERVICE

MAIN DEALER
AND
SERVICE AGENT
Strand Lighting

THEATRE CONSULTANTS
LIGHTING SOUND DRAPES