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functions. A fader section comprising two separate faders each with dual up and down wheels and controls for GO, STOP, REVERSE AUTO LOAD and AUTO GO. The left hand control panel houses 30 submasters whose functions include pile on, proportional control and subtractive use. Four sets of sub-faders allow access to the multi-parts of each cue. The right hand control panel houses the ASCII keyboard. This is obviously a simplistic explanation of the functions of this well presented and laid out console where everything is truly at the operator's finger tips.



The Jack Singer Concert Hall.

A central house lighting fader panel is located in the lighting control room with remote panels in the projection room and on stage. This theatre like the other two spaces is equipped with a logic switching worklight system. These systems control all the lighting fixtures associated with the 'work lights' (bright lights used during load-ins, etc) and 'performance lights' (low level blue lights used during a performance for circulation backstage, etc.). Master panels located in key locations control the switching of these lights and special power circuits in three different conditions 'DAY' 'NIGHT' and 'SHOW'.

There are 130 permanently installed instruments: 100 x 15°-40° Strand Lighting zoom Ellipsoidals and 30 x 6° x 16°.

Other available instruments include the following equipment which is all Strand unless noted:

- 15 - Iris - 3 cyc floods, 1000W
- 2 - Iris - 2 cyc floods, 1000W
- 4 - Iris - 1 cyc floods, 1000W
- 21 - Pallas cyc footlights, 500W
- 54 - 6 x 12 (15 deg) Lekos
- 18 - 6 x 16 (23 deg) Lekos
- 35 - 6 x 12 (31 deg) Lekos
- 50 - 6" Fresnels c/w barn doors
- 20 - 8" Fresnels c/w barn doors
- 40 - Par 64 1000W
- 110 - 15 deg - 35 deg zoom Ellipsoidals
- 10 - 20 deg - 40 deg zoom Ellipsoidals
- 2 - Strong 1600W Xenon short throw Super Troupers

**The Martha Cohen Theatre**

This 450-seat theatre is horseshoe in shape with three tiers forming a courtyard around the stage. The theatre is home of Alberta Theatre Projects (no relation!) the second resident company, whose previous theatre, the Canmore Opera House, was a log cabin. Part of our brief was to maintain the intimacy of the close actor/audience relationship together with a warm and informal atmosphere. The intimacy was achieved by shaping the horseshoe so that the furthest row of seats at orchestra level is only 12m away from the stage edge. The warm and informal atmosphere comes from the choice of building materials, scalloped brick walls surrounding the auditorium and tier fronts finished in a dark timber.

Lighting control is provided by an Electro Control "Premiere" console with a manual Celebrity back-up system.

To save on labour each key lighting position is provided



Actors eye view of the delightful Martha Cohen Theatre.

with a receptacle to which a hand held remote focus unit may be connected.

There are a total of 130 dimmers, 26 x 50 amp and 104 x 20 amp. Ceiling instruments include 16 x 8° Ellipsoidals (not Strand) with remote colour changers and 44 x Strand 8 x 13. A total of 103 x Strand Lighting 15°-35° and 48 x 20°-40° instruments are available, together with 48 x Par 64's, 7 x Quartz Color 4 cyclights and 2 x Strong Xenon Super Troupers.

**The Max Bell Theatre**

The larger of the two theatres is the 750-seater Max Bell. Designed for Theatre Calgary, a resident company with the arts centre, this theatre features a flexible stage area that allows the theatre space to change with each production.

The size of the proscenium can be varied between 10m and 19m permitting intimate small scale or wide-stage productions with elaborate settings.

To enhance the flexibility of the space all three levels of the boxes nearest the stage are hinged and swing out on air castors to vary the width of the proscenium.

Front of house lighting instruments are

along two semi-circular bridges on booms fixed to the moving boxes and on pipes at two levels along the tier fronts. A total of 131 circuits are allocated to these positions.

Within the flytower stage lighting is distributed to lighting instruments by the conventional use of drop boxes fed by multiconductor cables from the grid above. These together with wall boxes and floor pockets bring the total number of installed circuits to 352 (328 x 20 Amp, 24 x 50 Amp).

The installed control system is an Electro Controls 'Premier' console with a 'Celebrity Plus' as an auxiliary/back-up console. A designer's remote console is supplied for use at orchestra level and each key lighting location is equipped with a receptacle to accept a hand held remote focus.

The proscenium opening is fully adjustable, both in width and height, the side masking panels retracting fully into side wall pockets so that if required there need be no division between stage and auditorium. The seating at orchestra level is removable so with the two orchestra lifts raised and additional flooring it is possible to present promenade productions.

The house lighting plays a very important part in the overall atmosphere of this space. Specially designed fixtures on the tier fronts provide a warm candle-lit feeling, whilst the use of low wattage lamps in the gap between the back of the tiers and the surround walls have the effect of highlighting the interior structure.

Above the main body of the auditorium is a 'Clancy Grid'. This is formed from aircraft cable interwoven at 90° and tensioned to provide a surface that can be both walked on and lit through. The main FoH lighting locations are above this grid, together with surround pipes on the front of each tier. There are a total of 128 FoH circuits and 137 stage circuits (243 x 20 Amp, 22 x 50 Amp).

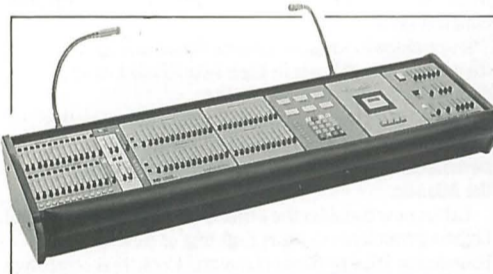
The control system is the same as the Max Bell, an

**Products from our standard range of architectural, theatre and television lighting**

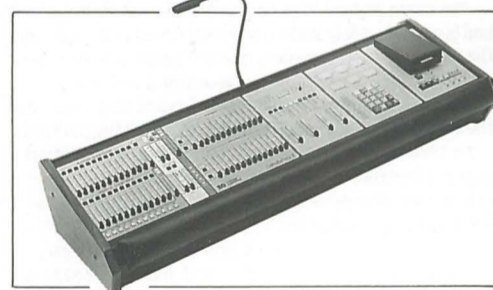
Illustrated here are some of our standard product range. But we pride ourselves in offering solutions to lighting control needs rather than in simply producing a range of standard products. Often the best solution consists of a 'special' element alongside the standard units. We at Electro Controls are set up to offer the complete lighting control package. If this involves the design and manufacture of a 'special' that's no problem to us.

Because each regional team has its own systems engineer and because the factory is set up to handle special solutions as a regular part of the production programme - 'specials' are not banished to a separate department in our plant - we can offer a complete integrated lighting control solution for any project.

And now this design and production is backed up by Strand Lighting's world wide sales and service. From Austria to Australia and from Saudi Arabia to Switzerland Electro Control can demonstrate the design and production standards that have won us our reputation in the U.S. and Canada.



Celebrity incorporating House Light panel.



**Celebrity II**

Controls up to 512 dimmers by dual-pattern Proportional Matrix. Each dimmer can be assigned to more than one channel, thus allowing fuller use of dimmer and lanterns.

Memory Page. 240 or 480 memories by using 10 pages of memory in groups of 24 or 48.

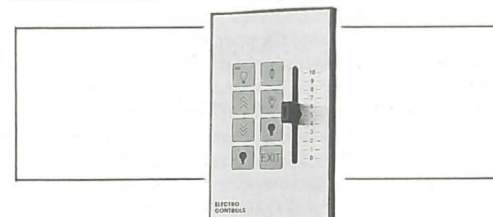
Library storage by 3 1/2" floppy disc. A printer port is provided compatible with most printers.

Flash (Bump) buttons are standard.

Special effects features variable speed and variable intensity. 2 to 12 channel sequence, with chase and positive/negative imaging.

Riggers Control, wired or wireless.

Consoles are specially made for each project. Single or double tier or touring versions are all available.



**Micro Dim "D"**

A single gang control with eight different functions: Panic, Fade to Full, Fade to Off, Off, Dim, Raise, Lower, Exit.



**Celebrity Plus**

Up to 125 Channels and 250 cues.

320 Character LCD display. And/Through/Minus keyboard.

Dual pattern proportional matrix patch for up to 512 dimmers.

'Stepback' button to allow easy return to previous cues.

'At level'/'Set All' facility.

12" Black/White or Colour Monitors.

Can be combined with Celebrity manual control in one console to provide single performance manual operation option.

3 1/2" Floppy disc library storage.

Multiplexed 4 wire output.

Wireless or cable riggers control.

Hard copy printer option.

French language display available.

Touring desk available.



**Micro Control**

Control can be transferred from one station to another simply by depressing the "control" push button. Solid state circuits complete the transfer of control without the need for large remote relays and diode matrices.

**Premiere is Electro Control's top of the line control desk**

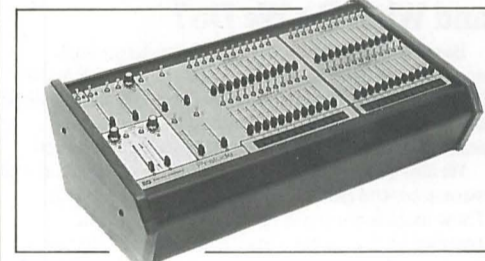
Premiere is capable of controlling 4000 Dimmers on 500 Channels. The system will hold 10 shows of 1000 cues each. Other features include the distinctive reflected "Heads Up" display that allows the operator to view the stage and board status simultaneously, a wireless dimmer check device and a separate printer cue. A designer or stalls desk is available, as is a separate riggers/designers control.

Among the most flexible features of Premiere is the ability to preprogram cues, patches, cue sheets and channel curves and fade profiles at any IBM/AT compatible computer, with the proper hard disc and software program. This allows much of the show to be "Prewritten" before the show ever takes the theatre for setup.

Due to the basic philosophy of distributed processing, fades and patches are excited at the Dimmer Racks, which allows a large number of dimmers to be controlled with great speed and with a minimum number of control wires.

The first Premieres were installed in Calgary, Alberta, Canada at the Theatre Projects Facility - Calgary Center of the Performing Arts. Here resident companies use them each night.

Other Premiere installations include professional theatres in Toronto, Canada and Oxnard, California, and several University installations.



**Prelude**

12, 24, 36 or 48 Channels.

2 Pre sets.

4 Sub Masters.

Split Crossfader with separate times.

Timed independent Master.

Time range - Manual to 6 minutes.

Grand Master.

Blackout.

Variable bump (flash) level.

Real time analogue output.

Options: 12 Channel effects module

Operators goose neck light and key switch

Auxiliary panel for houselights, tab warmers, etc.

Digital output model offers these extra options:

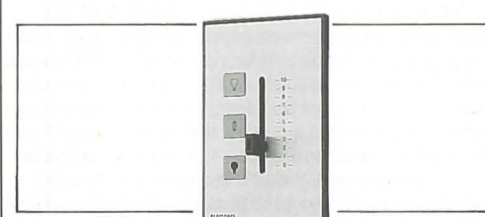
Full matrix, proportional patch module

Handheld riggers control

Library storage of patch data

Printout of patch assignments

VDU display of channel outputs



**Micro Control "TF"**

Same as Micro Control with "time fade" built into the control station.

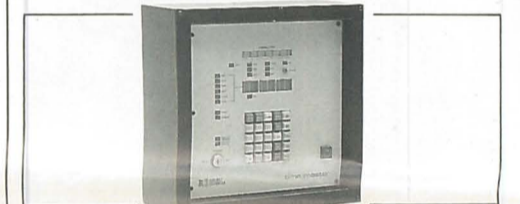
**Time Master**

Time Master gives programmed control of electrical loads for energy saving.

Storage of program for a complete year, by day or by date.

32 separate control groups.

Desk top display monitors.



Holidays may be programmed in, as can daylight saving and business time changes - i.e. late Thursday opening, early Saturday closing etc.

Emergency by-pass and local override facilities.

Will control motor relays, lighting dimming and lighting pre-sets.

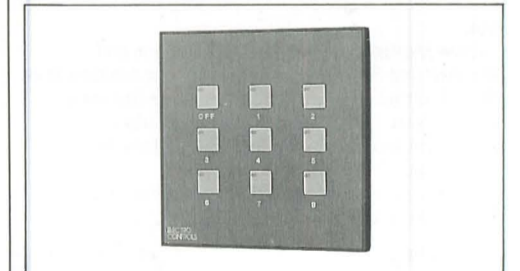
Options Available

Feed back control to maintain constant lighting level as ambient light changes.

May be connected to security systems.

Occupancy sensors.

Local override for after hours lighting.



**Lite Scene**

Offers eight scenes or "looks" of presetting. There is no limit to the number of lighting channels which can be put on each scene.

Lite Scene also comes with an Audio/Visual interface. A scene button can thus control all electrical elements in a conference room.

Example: By pressing button No.1 you can dim the lights, turn on the microphone, lower the film screen and have the projector turn on. Much easier than using 4 different buttons.



**Lite Cel**

A control that works with a photocell to measure and control light output. It is capable of fading any dimmer and its load, as changes in the natural light in any given area may require, from the maximum intensity possible, to the minimum intensity thus maintaining a constant light level.