

GREEN CASE STUDY



The proposal from specialist lighting consultants Pinniger & Partners, involved in the project 84 South Audley Street, located in London's Mayfair, took into account not only the best current lighting practice with new technology light sources, but also addressed energy and environmental issues.

In the reception, where feature and effect lighting were required, the designers employed low voltage dichroic and cold cathode circuits controlled from Strand Multidim plug-in dimmers with a combination of manual, photocell and timer control. The timer turns lights on in the morning and off in the evening to minimise energy wastage outside of normal working hours. To balance the tones of the interior and natural exterior light the

photocell fades pink and blue cold cathode circuits to create a cool/warm atmosphere at twilight. All the low voltage circuits are under-run using the dimmers to extend the lamp life and further reduce energy. ✪



Photos by Arcona Construction Services.

MINNESOTA HISTORICAL SOCIETY



The Minnesota History Hall has several Premiere® systems controlling the lighting in all major exhibit spaces.

Premiere controls are linked to motion detectors in many light sensitive exhibits turning lights on only when someone is present, preserving artefacts on display.

The system clocks are used to select the museum's day and night settings including control of all the exterior lighting. The museum does much of their own control programming work using Premiere's Configuration Software. Recently Lighting Designer Richard Rumel has added a Lightboard® M and Mantrix® MX to the systems in the building to provide elements of theatrical lighting. ✪

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TITTENHURST PARK HOUSE TRANSFORMED BY MULTIDIM



One part of the Multidim installation. Photo supplied by Keydial Ltd

Tittenhurst Park House set in 79 acres of Berkshire countryside has recently been refurbished by current owner Sheikh Zayed bin Sultan al-Nahyan at an estimated cost of \$40 million.

The Georgian grade II listed building, former home of Beatle John Lennon and then for twelve years fellow Beatle Ringo Star, has been turned into a dream palace more reminiscent of the Arabian Nights than an English country house.

The refurbishment, one of the most lavish ever carried out in Britain includes the extensive use of dimming control to create mood and atmosphere in all the major rooms and corridors in the house.

Reg Swain, Director of Keydial, the Electronic Systems Engineers for the project explained, "Because the building was listed, there were strict limitations imposed on control station size and cabling. Some rooms required individual control of up to 10 four preset dimmers from a UK standard 2-gang panel!

Our solution was to design a logic box that would sequentially step through the dimmers' presets, or select Off, from a single 12 volt two way rocker switch. With this approach, the control panel for the largest room only had to accommodate 11 switches, the 11th providing a master "Off" and "Restore" facility for the room. Using ELV (extra low voltage) control meant that a 25 core

signal cable could be used to link the controls to the logic unit simplifying the installation and satisfying the local authority.

Multidim is ideal for use with custom control panels as the Preset, Raise, Lower and Stop functions can all be activated from a momentary switch contact closure, in this case derived from the special logic box."

Over 130 Strand Preset Multidim units have been installed throughout the building to control tungsten, low voltage, fluorescent and cold cathode lighting loads, with control panels finished in chrome, bronze or brass to match the interior design. ✪