

FUTRONIX

LEADING THE WORLD IN DIGITAL DIMMING

From the smallest domestic scene dimmer
to the world's largest dimming systems...

Since 1989 Futronix has grown to become one of the world's leading manufacturers of lighting control systems. With installations in over 50 countries, Futronix is well known among leading architects, design engineers and private customers as the product of choice.

Futronix has established a position as market leader through a constant commitment to product innovation, technical excellence and caring for its customers.

Futronix doesn't just say it cares for customers, it genuinely does. Purchasing a product from Futronix is only part of the story - we constantly strive to fulfil and exceed your highest expectations.

Whether you are a lighting consultant, architect, electrical engineer, electrician or end user, every customer can expect to receive a first class service with professional help and technical support.

We are dedicated to quality above all else. We design our products from the installer's position that a product should be easy to fit and from the customer's position that lighting is essential and should never fail. Our products and manuals constantly reflect feedback from our customers.

Futronix makes the only truly digital range of commercial dimmers. These dimmers have no analogue content, making them smaller, more accurate and more reliable.

Futronix designs and manufactures its own products. This ensures that quality is built in and maintained at every stage. All Futronix dimmers are extensively tested prior to shipment, guaranteeing that the dimmer you buy works for life from the day it's fitted.

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AMERICAN HEADQUARTERS
COVERS USA, CANADA
AND LATIN AMERICA.

THE EUROPEAN HEAD
OFFICE IS BASED IN
LONDON, UNITED
KINGDOM.

ASIA HEAD OFFICE IS
LOCATED IN THAILAND.

The P50 puts modern dimming control in your hands and saves you money

The P50 has 3 different levels of brightness, which can be changed simply to any level. Even with the power turned off your settings will be remembered. The P50 can dim tungsten, halogen lamps or magnetic low voltage with a maximum rating of 600W.

With just one touch the lighting will fade to your selected level. Press OFF and the lighting will gently fade out. The P50 also has a built in sleep delay which is a feature ideal for both adults and children's bedrooms.

REMOTE CONTROL

All the dimming levels can be selected by the optional remote control. The remote control also provides access to additional features such as master raise, lower and programming of the dimmed levels, fade rate and sleep timer duration. The last level or OFF can be selected automatically at power up.

P50



SIMPLE TO PROGRAM

To change the levels from the factory settings simply press OFF & Level 1 simultaneously for 5 seconds. Select the level you wish to adjust, hold the key to increase the level, pressing the OFF key to lower the level. Once you are happy with the settings the new level is automatically stored.

single circuit dimmer. The P50 replaces existing dimmer switches and controls the lighting according to your wishes. Its elegant design means it can be used anywhere within the home.

ENERGY SAVINGS

Dimming lamps save energy and prolongs lamp life. See the table below.

% LIGHTS DIMMED	% ELECTRICITY SAVED	EXTENDS THE LAMPLIFE
10%	10%	2 times
25%	20%	4 times
50%	40%	20 times
75%	60%	>20 times

TECHNICAL

The unit contains the very latest Futronix digital dimming technology. No neutral is required, only the normal live supply and live out to the load rated at 50Hz or 60Hz. It can dim a maximum of 600W tungsten, halogen lamps or magnetic low voltage.

FUTRONIX QUALITY

All Futronix consumer dimmers are built to the same legendary quality standards as commercial ones. Futronix designs and manufactures all of its products guaranteeing you maximum quality and proven reliability.



P100

two circuit dimmer. for the first time ever...
a scene dimmer in a standard switch size

EUROPEAN MODEL
(SEE BACK PAGE
FOR PLATE FINISHES)



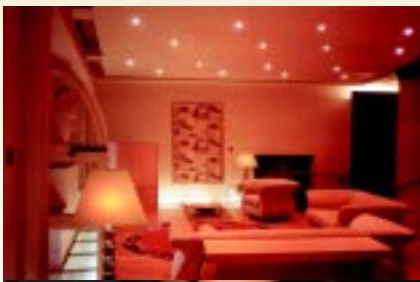
Lighting is an important part of any interior setting, while dimming can transform a space in both its ambience and function. By changing lighting levels, different moods can be created for various tasks. Watching a movie, entertaining, dining, reading, ambience or security; each can have it's own settings.

IMAGINE...

- ◆ Being able to control the atmosphere of your room at the touch of a button.
- ◆ Being able to dim the lights from the comfort of your chair.
- ◆ The peace of mind knowing your house lights will automatically switch to a security setting at night—even when you are out.
- ◆ The luxury of having your bedroom lights gently fade up, to wake you in the morning.

The P100 from Futronix is unique in that, for the first time ever, it has been possible to produce a fully programmable scene dimmer in a standard switch size.

The P100 has two circuits and each one can be programmed at any level. The levels are then stored as one of 20 scenes. Each scene offers a complete 'look' to the room.



Scenes can be set for entertaining, relaxing, watching television and reading as well as for security and energy saving.

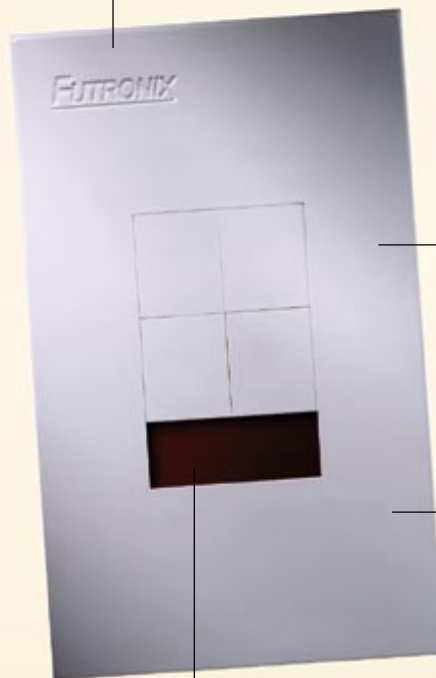
Each circuit can dim up to 300W per channel of tungsten, low voltage or halogen lighting.

The P100 has 20 user programmable scenes, a timer, variable fade rates, security settings, permanent memory and remote control.

The P100 is conveniently programmed by the remote control handset supplied which provides a wealth of extra features. Additionally, the commands can be entered into any universal 'learning' remote control.



The unit controls two circuits of lights at 300W each and has 20 programmable scenes.



Standard size switch panel allows easy replacement of existing switches.

USA MODEL

There are a wide range of finishes to suit most tastes and interiors.

The P100 has a built-in LED information display & infra-red receiver.

Set the lighting for your environment any way you want: highlighted, diffused, fading, filtered or subtle. Create the optimum lighting scenes for your home cinema with effortless, affordable control.

The P400, now in its third version, is the all time best selling consumer scene dimmer. The compact design and high specifications make it popular amongst home cinema enthusiasts and private customers alike.



REMOTE CONTROL

The P400 puts effortless lighting control in your hands with remote control as standard. Simply program your preferred levels and then recall them at the touch of a button. The lighting will gently fade to your new levels.

Commands can be learnt into any learning remote control and the code set available from all major makes of remote control, including *Elan, *Phillips, *Crestron, *AMX & *Lexicon.

P400

A 4-CIRCUIT, 20-SCENE DIMMER FROM FUTRONIX



DIMENSIONS

All P400 models are only one third larger than a standard sized switch.



TIMER

The P400 Classic comes with a built-in timer which can be programmed to select any scene at any time and on any day of the week. Up to 70 of these events can be programmed each week (10 per day). The uses range from automatically putting the lights on for you when you come home, to selecting security settings or even waking you up gradually in the morning.

The timer can be used to select a security scene giving the impression that the property is occupied.

SLEEP TIMER

The P400 comes fitted with a sleep timer which can be set to automatically switch the lights off up to two hours after being selected.

DISPLAY

By linking a series of scenes and programming the duration and fade rate, the P400 can be used to provide lighting displays. Applications of this feature include exhibitions and home cinema where it can be used to create a light show before and after a film.



With the P400 you can control the lighting in your own home effortlessly. In the first example, the lighting has been programmed to create a comfortable atmospheric scene.



The second scene has been programmed to create a bright ambience. With the emphasis on highlighting pictures and ornaments, it is ideal for entertaining.



The third scene is set for watching films. The main light and cabinet lights are off while the ceiling and wall lights are dimmed to create a home cinema.



In the fourth scene, the user has set up the lighting to provide a level of dimming suitable for watching television. The main lighting is provided by the spots whilst the cabinet lights are dimmed so as not to distract the viewer.

TECHNICAL SPECIFICATIONS

*Controls : Low voltage, tungsten, halogen & neon.
4 channels @ 300W each. Maximum total dimmer loading: 1.2 kW*

P400 models include infra-red remote control, master raise and lower, exit delay, sleep timer and variable fade rates from 0.5 seconds to 2 hours.

Dimming lighting saves energy. Bulb life is also prolonged because fading a lamp is gentler on the filament than switching it on or off.

The P400 Classic model is available in white, brass, polished and brushed stainless steel. The P400 Future model comes in a futuristic white molded design.

A fifth scene could be used to provide low level lighting throughout the room with stronger lighting focused on the table area for dining.

A sixth scene could act as a minimum level for security at night.

The twenty scenes available on the P400 offer a versatile choice of lighting effects suitable for every mood.

futronix gives you more... as standard



The P800 is a new generation of high performance scene dimmers from Futronix. Designed for use in a variety of domestic and commercial settings including luxury houses, conference rooms, boardrooms, small restaurants and bars.

P800

AN 8-CIRCUIT SCENE DIMMER FROM FUTRONIX



The P800 puts the luxury of multi-room control in your hands. Your favorite lighting levels in four rooms can be operated from the attractive wall mounted switch panels. You can create the mood or set the scene in each area for every purpose. When a new scene is selected, just as in nature, it will gently fade creating a subtle transition.

The switch panels can operate the lighting within a room and optionally in others as well. Ideal for luxury houses where a panel by the main entrance can turn the lighting off, or alternatively to a welcome scene. The remote control can select scenes and change levels from within each room.

For bigger systems with more flexibility, up to ten P800's can be connected together giving 80 channels. The P800 has a 20 Scene memory for each or the four different areas. The P800 can be integrated to AV equipment to create a real impression in a conference room.

A full function remote control comes as standard, as does the convenience of being able to select and program all the scenes from the comfort of your chair. For operation and limited programming only, order the reduced function remote control.

Optimum lighting conditions are guaranteed with the built in timer. 70 scene changes per week can be programmed. It could be for a wake up scene in the morning, subtle lighting transitions during the day, or a security scene at night... the choice is yours.

Exhibition autorotate scene select mode for creating exciting, eye catching sequence changes. Design the scenes for focusing attention on exhibits, merchandise or architectural detail.

QUALITY

The P800 has a high build quality and robust construction. It has generously rated heatsinks and a very high level of short circuit protection making it ideal for light commercial use.



ELECTRICAL SPECIFICATIONS

Mains Supply Input	220-240V ac 50Hz 208/ 270V ac 60Hz 120V ac 60Hz
Dimming Output (max)	1kW per channel (max)
Dimming Output (min)	No minimum load on any channel
Switching	1kW per channel (max)
Total Dimmer Load	Maximum total load across all 8 channels 2kW
Dimming Output (1-10V OPTIONAL)	4 channels (1-10V) fluorescent regulation ballasts
Protection	Fuses
Channels	8 channels per P800
Approvals	UL, CE, VDE
Maximum Number of P800 Channel Systems	10 x P800's can be interconnected = 80 channels
Zones	4 zones (areas / rooms)
Switch Panels	3 switch panels per P800
Network Connection	12V four core non twisted pair
Dimensions (w,h,d)	160mm x 102mm x 65mm

A POWERFUL MULTI-CHANNEL DIMMING
CONTROLLER DESIGNED FOR BOTH
COMMERCIAL AND RESIDENTIAL USE.



Enviroscene



The Enviroscene is an affordable intelligent dimming system, designed to create an aesthetically pleasing environment on any scale.

Ideal for restaurants, bars, cinemas and luxury residences, its rugged reliability guarantees the atmosphere will always be there.

Unlike some manufacturers, Futronix won't tell you that a domestic dimmer is suitable for commercial applications. In a commercial environment, a dimmer must be able to cope with lamp wattage changes, short circuits, overloads and wiring alterations. It must be easy to install and highly reliable. The Enviroscene encompasses these benefits and more.

The system can operate Lighting in more than one area if required. Up to 16 different rooms can be wired to the Enviroscene and then configured at installation time using the remote control.

Each circuit can be set to be in any room and each room (zone) then works, with full scene setting, independently of any other.

The Envirosce is installed out of view and operated by remote control or switch panels. These are available in white, brass, polished or brushed stainless steel.

Programming and setting up is by remote control keeping the switch plates simple and attractive. The switch panels are wired on one 4 core low voltage cable throughout the installation. Each switch panel can be configured at installation to operate a zone, any number of zones or to act as a master to them all.

The Envirosce Master comes complete with 4 channels of 10A or 8 channels of 5A dimming on board. In addition it has control for up to 16 circuits using a range of add on slaves available in 4 x 10A and 8 x 5A formats. More Envirosce Masters can be connected together to form larger systems of 32, 48 or more channels .



TIMER

The optional 7-day timer can recall any scene at any time during the week. Up to 70 of these events can be programmed (10 per day). The uses range from automatically selecting a welcome scene to operating security settings.

DISPLAY

By linking a series of scenes and programming the duration and fade rate, the Envirosce can be used to provide lighting displays. These can be used to draw attention to an area or to pick out certain items in a display.

ENERGY

The Envirosce creates a productive energy efficient environment with up to 98% of the corresponding unused lighting energy saved through dimming.



TECHNICAL SPECIFICATIONS

Mains input : 240V @ 50Hz , 270V@ 60Hz , 120V @ 60Hz.

Controls : low voltage, tungsten, neon/cold cathode and fluorescent high frequency or 1-10V.

Output : 4 Channels @ 10A (2.4kW) each or 8 Channels @ 5A (1.2kW).

Communications : RS485-PC/ touch screen interface port.

Dimensions : 425mm x 265mm x 110mm

Approvals : UL, CE, VDE

Chassis : Stainless steel, Seam welded & Powder coated.



PFX SYSTEM

THE LATEST IN HIGH-END Lighting control SYSTEMS



The PF-X is one of the most sophisticated hi-end dimming systems available today. It is used in some of the world's most prestigious building projects including the largest single architectural dimming system ever made.

The PFX manages lighting usage, increases functionality and saves energy. A range of standard sized chassis, each with it's own intelligence means that systems can be built of unlimited size. The inherent flexibility of the PFX system means that it is an easy system to specify, install and commission.

The totally digital nature of the PFX makes it a quiet, accurate and very reliable system. No matter how complex the requirements are, the system can be configured to meet your customer's needs.



For controlling modern lamp types such as LED, SON and Metal Halide. Futronix manufactures the DSD[®] digital sinewave range of dimmers. This range used patented technology, to vary the amplitude of a reconstructed mains sine wave, according to the required level of dimming.

The PFX creates aesthetically pleasing, energy efficient spaces in diverse applications.

Airports

Hotels

Offices

Convention centers

Luxury ships

Cinemas

Conference facilities

Places of worship

Restaurants



...every ENVIRONment should have the lighting system that enhances its DESIGN...

PFX SYSTEM SPECIFICATIONS		PFX TECHNICAL SPECIFICATIONS	
All digital control	3 phase dimming or switching 4 selectable dimming curves	MAINS SUPPLY INPUT	380-415V ac 50/60Hz three phase 270V ac 60Hz 200-240V ac 50/60Hz single or three phase 110-130V ac 50/60Hz single phase
1024 step fade resolution			
4 data buses incl: RS485, RS232 switch panel local bus, BMS control and DMX			
Multi-zoning 256 zones in one local area.	15 room multi-partition control	DIMMING OUTPUT (NO MINIMUM LOAD)	5,10 or 20A per channel continuous tungsten, low voltage, halogen, neon/cold cathode and fluorescent (high frequency)
		DIMMING OUTPUT (1-10V OPTIONAL)	Fluorescent regulation ballasts (1-10V)
		DALI	Digital fluorescent ballast interface
		SWITCHING OUTPUT	5,10 or 20A per channel continuous HID, non dim fluorescent, other loads
Mains voltage compensation		DIMMING UNIT	Output devices rated at 40A 1000V peak
Voltage stabilisation		INTERFERENCE SUPPRESSION	Heavy duty, high inductance chokes 200uS rise time 1.4mH
24hr 365 day time clock		CABLE TERMINATION (INCOMING)	200A single or three phase switch disconnector
Occupancy detection		PROTECTION	MCB 10A, 20A type B or C
Daylight balancing		CABLE ENTRY - POWER	Bottom of chassis 3 x 51mm +5 x 25mm
Quiet low noise operation		CABLE ENTRY - CONTROL	Left side of chassis 20mm +12mm
Programming and operation from remote control handset, PC laptop or LCD touch screen		AMBIENT TEMPERATURE	40c maximum
Virtual I/O for control of non lighting equipment, audio, video, curtains, shades, blinds		NETWORK	12V network switch panel bus BMS, PC network RS485, DMX, 2 x RS485, RS232
Direct control of AV systems	* For detailed specification and wiring diagrams please contact your Futronix distributor or visit our website. Futronix products conform to relevant UL, BS & EN safety standards and have CE approval.		
Confusion free installation			

DIMMING RACKS COMPATIBLE WITH HOME ICON

TYPE	CHANNELS	LOAD	DIMENSIONS (h,w,d)	PHASE	SWITCHING RACK		
PFX-32	32	5A	980 x 980 x 150mm	3 phase	PFS-12	12	10A
PFX-16	16	10A	950 x 500 x 110mm	3 phase	PFS-8	8	20A
PFX-12	12	10A	950 x 500 x 110mm	3 phase	PFS-6	6	20A
PFX-8	8	10A	950 x 500 x 110mm	3 phase	DSD-16	16	10A
PFX-4	4	10A	950 x 500 x 110mm	3 phase	DSD-12	12	10A
PFX-620	6	20A	950 x 500 x 110mm	3 phase	DSD-8	8	10A
PFX-720	7	20A	950 x 500 x 110mm	3 phase	DSD-620	6	20A
PFX-820	8	20A	950 x 500 x 110mm	3 phase			

There are many hotels in the world which can be described in superlatives, but there are few, if any, which can touch the Burj Al Arab for its stunning opulence and dynamics.

FUTRONIX HAS PROVIDED THE LIGHTING CONTROL FOR SOME OF THE MOST PRESTIGIOUS HOTEL AND BUILDING PROJECTS AROUND THE WORLD.

THIS INCLUDES THE BURJ AL ARAB - SEVEN STAR HOTEL IN DUBAI.



It is the world's tallest hotel at 321 meters and 1053 feet. It stands on its own man made island 280 meters off shore and has the largest atrium in the world at 60 stories. It consists of 202 luxury double floor suites that range from 6 to 30 rooms. From the rooftop helipad to the 100ft fire and water displays, to the restaurant with a 3 minute submarine voyage, the Burj Al Arab combines the greatest display of luxury with the latest in technology.



Futronix was proud to be the manufacturer of the lighting control system for the hotel. At 14,000 channels it is the largest architectural lighting control system ever made. Each suite has one or more PFX-32 dimming control systems, which operate the lighting in every room. The largest suites have five systems giving a total of 160 channels of lighting.

The Burj Al Arab Hotel - Dubai

The scenes in each room can be selected from the switch panels and, additionally from master panels located at main entrances. The table lamps in each room are fitted with Futronix table lamp controllers and operated as part of the scene dimming.

In the bedrooms, there are dedicated control panels on either side of the beds. These feature such innovations as 'path of light' which provides a trail of illumination at night.

Futronix supplied over 100 dimmer racks to control the public area lighting. These were networked together and operated by a custom graphical interface. In use the Futronix PF-X system's all digital design has demonstrated the ability to operate with the greatest of long term reliability.



THE BURJ AL ARAB IS TESTIMONY TO THE FLEXIBILITY OF THE PFX SYSTEM TO ADAPT TO THE MOST COMPLEX OF REQUIREMENTS AND MEET THE HIGHEST OF STANDARDS.

your home is a canvas on which to paint a scene of light

Home - Icon system



Your home is possibly the most important and cherished place in your life.

Somewhere to relax, live, entertain or watch a movie. The character and style of each room is reflected in both the interior design and the lighting. Through good lighting you can appreciate the beauty and function of every corner of your home.

CONVENIENCE

Home-Icon enhances your lifestyle by automating life's everyday tasks, like setting the lighting, opening and closing curtains, or turning on audio/visual equipment. From just one touch of a switch your whole house can be illuminated with a 'welcome scene'. From a bedside panel a 'path of light' can be created to lead from one area of the house to another.



CONTROL

Master switch panels can be fitted by main entrances, master bedrooms and in hallways. Switch panels in other areas provide local control, with matching individual dimmers fitted in selected rooms.

The scenes in each room can be selected from the switch panels and, additionally; the table lamp levels can be individually set. The table lamps can be raised to a brighter level, turned off, or set to a welcome scene, simply by touching a button.

SECURITY

When you are away, you can rest assured the lighting will automatically mimic your normal pattern of usage. In the evening, come back to a welcoming, lit up home or have the lighting gently wake you up in the morning. The choice is yours.

INTEGRATION

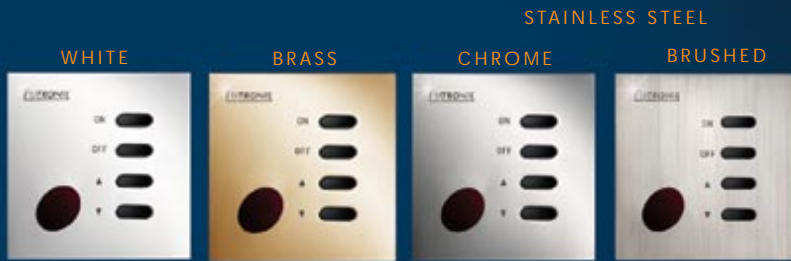
The Home-Icon system is easily integrated with AV equipment personal computers, security, fire alarms, air conditioning, heating and telephones.

INSTALLATION

Installation is made simpler because the distributed intelligent control units can be located in different local parts of the house and linked to form a seamless multi-zone system. This results in space reduction as well as simplified wiring and cost savings.

For today's busy lifestyles, Home-Icon by Futronix makes life a little easier.





EUROPEAN MODELS



USA MODELS

Futronix dimmers & switch panel outstations are visually designed to complement each other. They are available in a large range of styles and finishes to suit different tastes and applications. The standard finishes are white, brass, polished and brushed stainless steel. Custom finish panels can be made to special order.

The switch panel outstations operate with the P800, Enviroscene and PFX ranges. They are connected via a low cost 4 core screened data cable (0.2mm/7). The window available on some dimmers and switch panels has a built in display and a remote control receiver. This allows the systems to be operated and programmed by remote control.

Switch panels

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