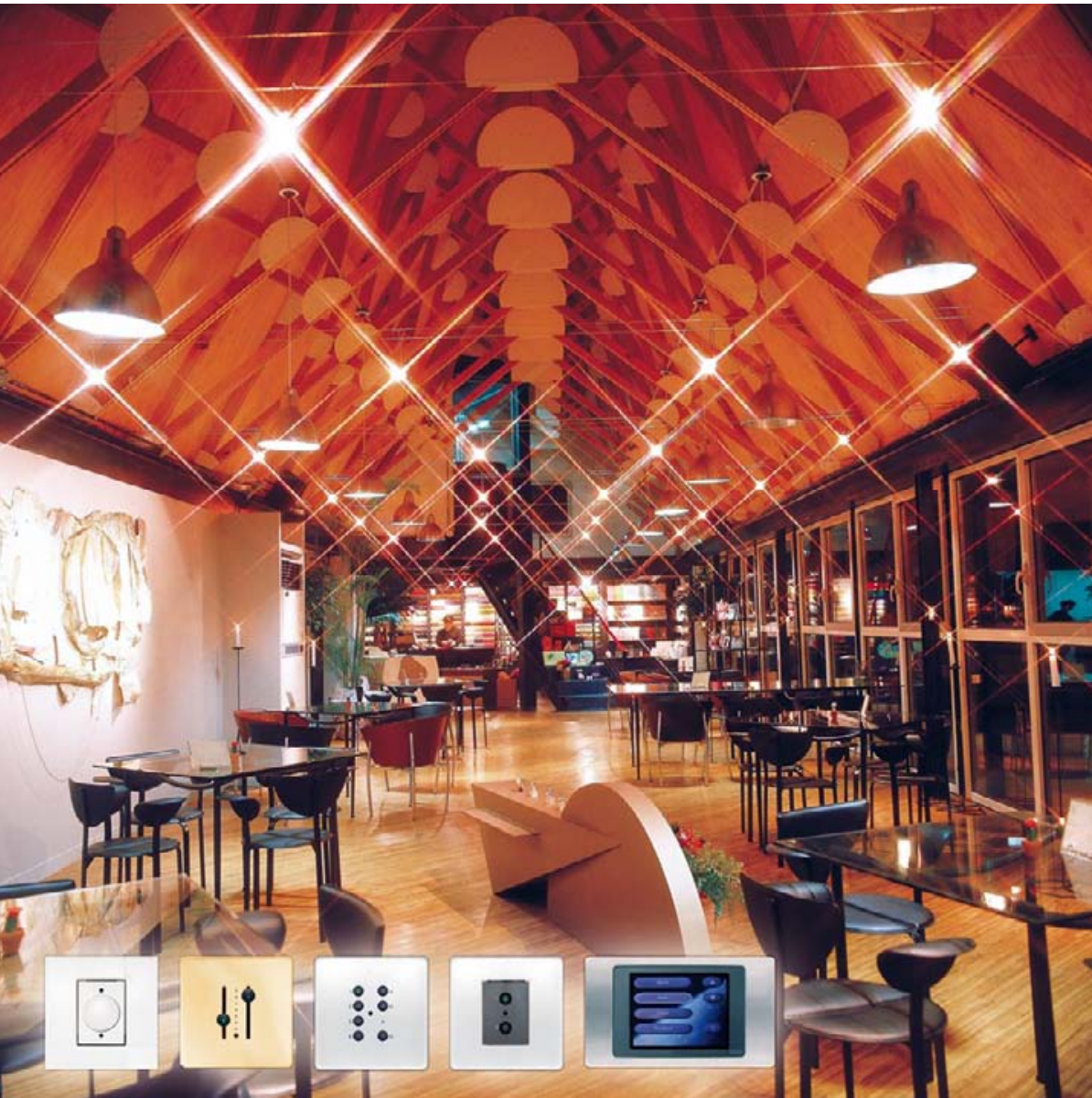


simple to install • easy to operate • very flexible • creates the perfect mood



User Interfaces

lighting the way forward

Interface...



The most commonly used interfaces in a lighting control system are the control panels. They are often the only part of the dimming system that the end user regularly sees. With a range of decorative face plates, Helvar provides panels to suit every décor and scenario. The panels allow the user to control the system by recalling scenes at the touch of a button. There are various ways of interfacing with your lighting control system...

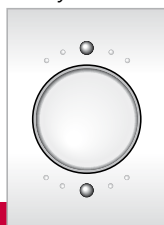
The modular panel range consists of LCD, pushbutton, rotary and slider options. Each module is fitted with indicator LED's to show the user which button was previously pressed. Modules are also fitted with an infrared receiver (IR), capable of receiving the standard RC5 IR codes. The modules are supplied preprogrammed, so they work out of the box and are easily reconfigured to suit end user requirements.



Single gang control panels include modules selected from the standard module range. Double gang control panels are also available and can contain up to three standard control modules. It is possible to have any configuration of modules on a double gang panel, making it suitable for various applications. Modules are coupled together with a face plate to offer a wide range of finished panel options.

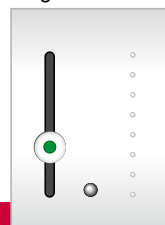
Standard modules

Rotary



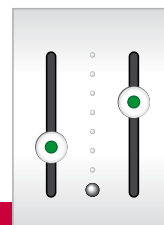
(100)

Single slider



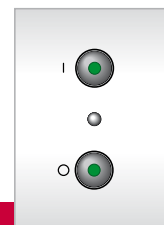
(110)

Double slider



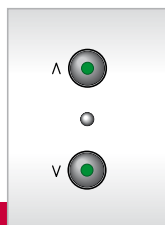
(111)

On/Off



(121)

Raise/Lower



(122)

Modular Control Panels



Satin White Plastic:
No.(200)



Polished Brass:
No.(201)



Satin Stainless Steel:
No.(202)



Stainless Steel + Grey insert:
No.(203)

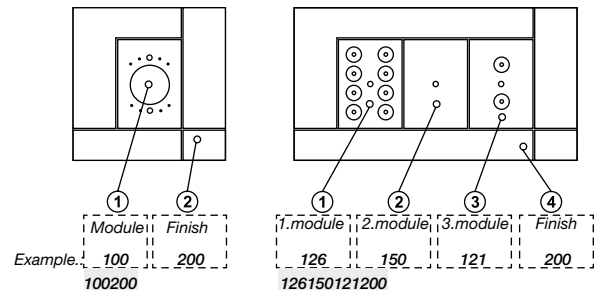
Standard panel finishes

The modular panel face plate is based on the very popular Wandsworth series 3 range. The standard finishes are Satin White Plastic, Polished Brass, Brushed Stainless Steel, or Satin Stainless Steel with a Grey plastic insert.

Helvar's modular panel range allows every module type to be ordered in any finish, in either single gang or double gang formats.

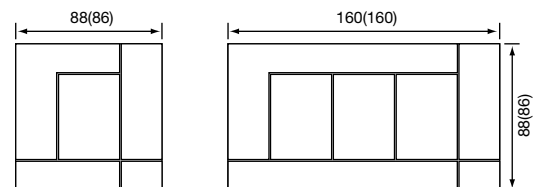
Standard panel order codes:

To order any of the standard panels below, in white, brass stainless steel or stainless steel with grey insert, it is only necessary to quote the module + finish numbers as illustrated in the example to the right:



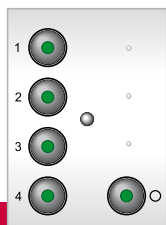
Dimensions

The single and double gang control panels fit into standard UK and most European back boxes. The panel face plates dimensions are as shown:



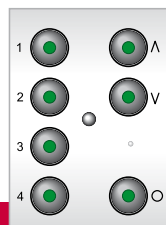
() = Metal Finish Panel Dimensions

4 scene + Off



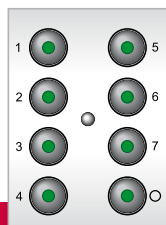
(124)

4 scene + Off + Raise/Lower



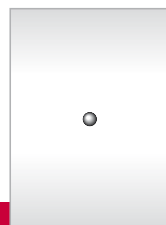
(125)

7 scene + Off



(126)

Blank



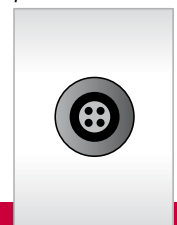
(150)

IR-Module



(170)

Programming point



(180)

Specially Engineered Panels



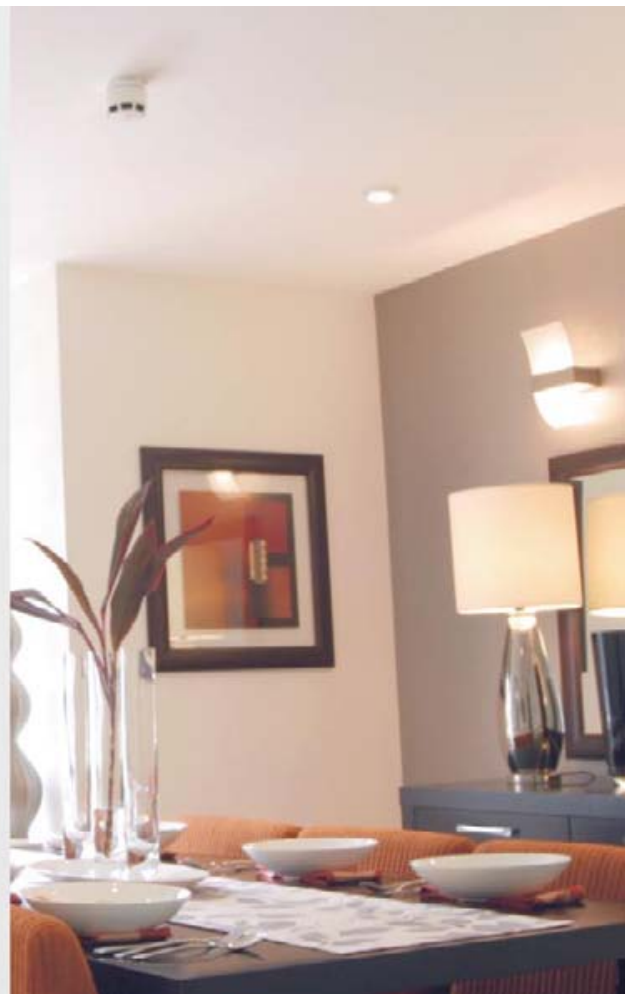
Helvar can engineer and manufacture plates in different shapes and styles. This allows our panels to suit architectural requirements or match other electrical accessories used. Panels can be manufactured to fit into space restricted locations such as architraves or designated spaces in existing paneling. Larger panels can be manufactured to replace an existing control panel or switch plate of a larger size.

Customer specific panels

Helvar also offers its customers the option of using their own choice of switches to operate our digital lighting control system. By using the mini input unit (444) which sits in the switch plate back box, the electrician can connect a customer selected momentary or latching switches to the Helvar system. These can then be programmed to recall the required lighting scene making the switches true system components. Multiple mini input units can be used on a single system. This allows the customer to retain existing user interfaces or select any specific switch plate they choose.

Custom User Interfaces...

With the increasing need to provide added value to a new build or major refurbishment project, many developers are looking towards home automation to distinguish a property. This provides possibility for easy cable installation and full integration of control panels. Helvar can offer a range of custom panel solutions in this area.



4 & 8 Scene + Modifier Panels

The 935-939 panels are DALI compatible user interfaces that allow the selection of scenes. The panels are fitted with illuminated buttons providing a visual indication of the selected scene. Scene identification labels are illuminated for greater user convenience.

- Suitable for use with DIGIDIM and IMAGINE Lighting Routers, TouchPanels and DIGIDIM4.
- Supplied with pre-printed scene identification labels.
- Mounting plate can be fitted directly to all standard European single or double gang back-boxes, using two M3.5 screws supplied.
- The panel is fitted with an infrared receiver for use with the hand held remote (303).

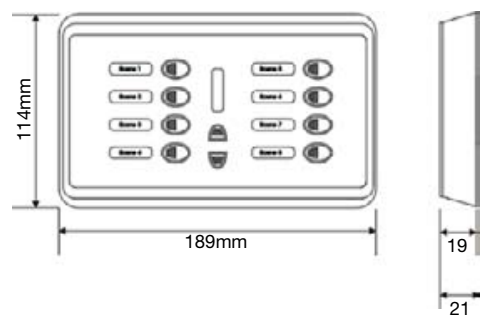


Key Features:

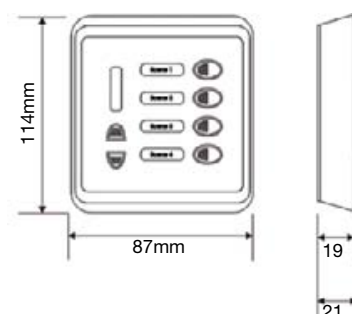
- Backlit Elastomeric keypad
- Tactile feedback
- 4 or 8 scenes with modifier
- Scene label windows
- Low profile surface mounting
- 2 part with mounting frame
- Integral IR receiver
- Powered from DALI (no external supplies)
- Operates using DALI protocol (DALI compatible)
- Supported by Workshop software

Dimensions:

939 - 8 scene + modifier



935 - 4 scene + modifier



A Touch of Class



Compatible with Helvar's DIGIDIM and IMAGINE systems, the TouchPanel can be configured easily to meet individual customer lighting control requirements.

Themes

A Theme is a combination of Button and Background styles which produce 5 separate individual looks for the panel.

The TouchPanel is supplied with a colour picker allowing up to 65,000 different solid colour backgrounds, However there are also 5 additional standard themes. Thus the look of the panel can be tailored to the surroundings or to a specific task.

The default theme for the panel is "Orbit" and the other selections are shown below but it is possible to mix & match button and background styles to create your own themes.

TouchPanel customisation...

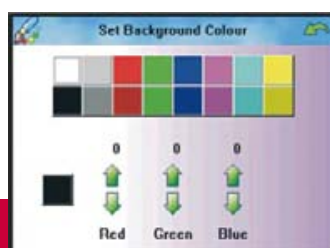
The Touchpanel can be customised to the users specification. Back grounds and button types can be uploaded. Company logos, pictures of rooms, people or house floor plans can be uploaded to the touchpanel, making the system bespoke and evidently more easily used.

The TouchPanel (924) is a touch sensitive 65,000 colour LCD screen that can be used for controlling and programming a Helvar lighting control system.

The LCD TouchPanel offers Helvar's renowned build quality combined with cutting-edge design flair. Key criteria for the consumer market, such as ease-of-use and installation, have been fully incorporated. With a full colour 3.5" high resolution touch screen the TouchPanel also offers first-class display quality combined with attractive looks that further boost the panels appeal. A range of decorative face plate finishes are available to suit any modern décor style.

Built-in Themes

Colour picker



Orbit (Default)



Beach Sunset



TouchPanel Finishes



Satin White (9240)



Polished Brass (9241)



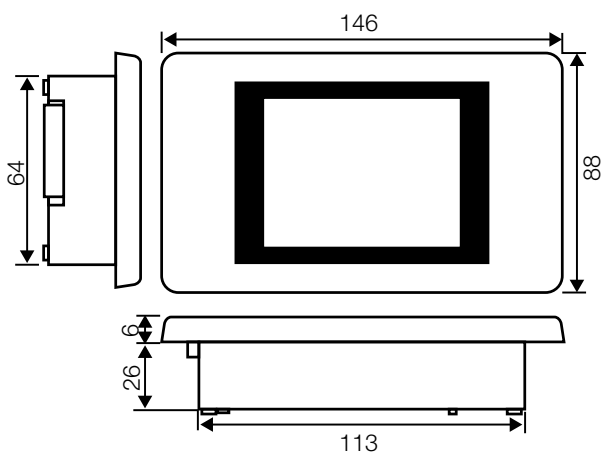
Stainless Steel (9242)

TouchPanel Package

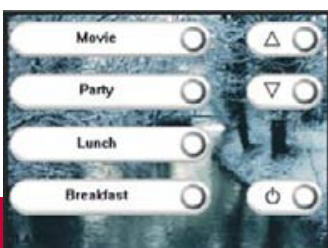
- TouchPanel
- Choice of decorative face plate
- Software CD-Rom
- USB cable
- Double gang UK backbox
- Fixing screws & cable tie
- Installation Instructions
- (Additional Power supply required)



Dimensions (mm)



Winter Scene



Cloudy Sky



Aquarium

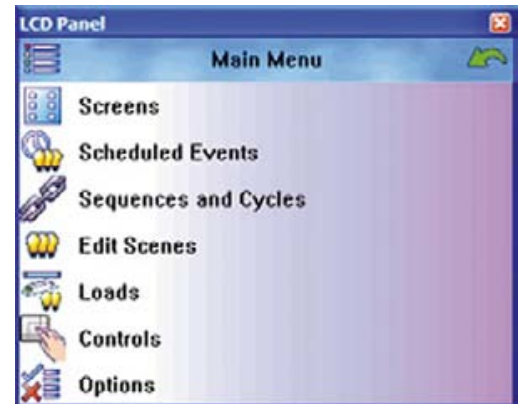


TouchPanel Menus

Main Menu

The main menu allows access to configure and edit the following TouchPanel features and functions:

- Screens
- Scheduled Events
- Sequences & Cycles
- Edit Scenes
- Loads
- Controls
- Set Date & Time
- Set Timezone & Location
- Remote control
- Refresh Devices
- Backlight Timeout
- Calibrate screen



Button Appearance

The TouchPanel includes five built-in button styles which can be changed to suit user requirements by adjusting the following;

- Button Width
- Button Text Color
- Button position

The TouchPanel's screen wizard allows the buttons to be arrayed in pre-defined patterns. By default the TouchPanel will show 4 Scenes, Raise/Lower and Off but this can easily be changed to 2, 4, 8 or up to 12 buttons per screen.



Edit Button Function

By editing the function of each individual button the TouchPanel can perform the following commands

- Call a scene (Max, Min, Off)
- Modifier Up
- Modifier Down
- Change Screen

Button Text Editor

The TouchPanel buttons are pre-named but these can be edited to suit user requirements. The qwerty and numeric keyboard permits upper and lower case text entry. Buttons can be resized to suit the length of the entered text.



Back-up & Restore via USB

The TouchPanel allows all of its settings to be backed up and restored, including copying of settings from one TouchPanel to another.



Sequencing & Cycles

Scene changes can be automatically linked together to form sequences or cycles. The delay time between scenes can be separately set. The sequence or cycle may be started or stopped by the user from the scheduler or by an external control.

Password Protection

A user defined password must be supplied in order to edit the TouchPanel's setup. This prevents the possibility of accidental or malicious changes occurring. There is also a cleaning function disabling the panel for 20 seconds (by default) allowing the screen to be cleaned without disturbing any of the programming or effecting any of the light levels.

TouchPanel Scheduler

The TouchPanel Scheduler allows automation of the lighting by triggering scenes or linking to screens at regular daily or weekly intervals. The TouchPanel can even schedule events relative to dawn and dusk. This is particularly useful for security purposes allowing events to occur at specific times of the day and night even when you are on holiday.

Set Time & Date

During the TouchPanel power-up both the time and date must be entered. Both time and date are required for triggering timed events which are programmed using Touchpanels onboard scheduler. The time can be displayed on any of the screens and is updated every minute.

Time Zone & Location

The Touchpanel can be adjusted to different time zones and also take in to account daylight savings by utilizing the built in astronomical timeclock. This ensures that manual adjustment to time sensitive programming is not required.



Remote Control

The Infra-Red Remote Control (303) is a fully DIGIDIM compatible unit for use in either DIGIDIM and IMAGINE lighting control systems. All DIGIDIM control panels and multi-sensor units are fitted with an IR receiver that allow them to be used in conjunction with the remote control unit.

The remote control unit is fitted with seven buttons that can be used to control basic system functions such as on/off, raising and lowering the general light level and the selection of four scenes. The seven buttons can also be used in various combinations to provide basic programming functions. This includes creating and adding to groups and setting pre-set levels or scenes.

- On/off button
- Raise (modifier button)
- Lower (modifier button)
- Four scene recall buttons



Multisensor

The DIGIDIM Multisensor (312) provides energy saving functions when used in a DALI system. It contains a light sensor, a passive infra-red presence detector (PIR) and an infra-red receiver that allows the Multisensor to be operated by the hand held DIGIDIM remote controller. The PIR enables the system to detect when a room is occupied and the light sensor measures the level of ambient light available. The infra-red receiver and DIGIDIM remote controller allow the room occupants to set the required light levels and to carry out basic system programming. The multisensor is designed to push fit into a ceiling or luminaire housing.

- Presence detection
- Programmable constant light control for maximum energy efficiency.
- Complete control using the hand held remote.



Input Units

Mini Input Unit (444)

Allows the connection of customer specified switches (latching or momentary), time clocks or other on/off control devices to be incorporated into a DIGIDIM system

No of Input Channels	4
Cable Length	200mm
Product Dimensions	30mm x 20mm x 10mm

Note: Cable length must not be increased.



Input Unit (440)

Allows the connection of customer specified switches (latching or momentary), time clocks or other on/off control devices to be incorporated into a DIGIDIM system.

No of input channels	8
Cable length	50m (max)
Product Dimensions	70mm x 90mm x 58mm



Imagine Input unit (942)

The IMAGINE input unit is an interface designed to allow customer specified switches, sensors, timeclocks or other on/off control devices to be incorporated into an IMAGINE lighting control system. The input unit also accepts inputs from 1-10V analogue devices

No of input channels	4 Volt free inputs
1-10V / Volt free inputs	4 configurable analogue
Product Dimensions	70mm x 90mm x 58mm



Who are Helvar?

Helvar

Helvar develops, manufactures, and markets ballasts and lighting electronics for the luminaire industry and other customers specialising in lighting.

Helvar has a long tradition as a forerunner in its field, and always utilises the latest technology to ensure that its products are of high quality, have first-class technical properties and conform to local regulations.

Helvar focuses on controllable and non-controllable electronic ballasts, lighting control products and magnetic ballasts, thus offering its customers a tailored products and solution portfolio.

Helvar has its headquarters and ballast competence centre in Karkkila, Finland. The lighting control system competence centre is located in London, England. Helvar has its own sales offices and representatives all over the world.

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Visit our website: www.helvar.com

Due to a policy of continuous improvement, Helvar reserve the right to alter specifications without notice at anytime.