

Troubleshooting

Symptom	Solution
Unit does nothing	Check that there is a load wired in series with circuit 1. Check that the bulb on circuit one has not blown Check that there is mains voltage present on the Live-In terminal. Check that the load on circuit 1 is no more than 500W total.
One of the buttons 1, 2, 3 or 4 is flashing red/orange	There is an overload or short-circuit on that circuit. Check the circuit loading and check that there is not a blown lamp on that circuit.
A bulb blew on one circuit. I have replaced the bulb, but now that circuit no longer works.	The circuit was overloaded for too long and the auto-shutdown feature has been activated. Reset the circuit by holding down the button which is flashing red/orange.
Configurable input only works when the lights are on?	Check that the live-in and live-out connections for circuit 1 are the correct way round.
The lights flash/flicker at high levels only?	You have not met the minimum load requirements for the circuits, or a lamp has blown which has reduced the load. Use higher-wattage lamp (you can dim them to reduce the brightness if required) or replace any blown lamps. Remember to isolate the SceneStyle4 before changing any lamps
The front fascia plate is warm	This is normal, especially when the unit is heavily loaded (i.e. 1kW or close to 1kW of lamps are connected).

To Reset To Factory Default Level Settings

Light Levels

The default scene settings may be restored at any time by: simultaneously holding down buttons 1, 2, 3 and 4 together until all of the button LEDs flash blue (after approx 5 seconds) then releasing all the buttons.

LED Colours

The LED colours and remote input settings are not reset when the factory-default scene levels are reset. To reset the LED colours, see the previous section on page 11 "Setting Button LED colours".

Remote Switches

To reset the function of the remote inputs see the section on advanced set-up on page 12

Please visit our dedicated website for further information regarding the SceneStyle® range at **www.scenestyle.co.uk**
For Electronic Transformers see: **www.modelighting.com**



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Introduction

SceneStyle4 is a scene-setting, self-contained, dimmer for up to four circuits (also known as channels or zones) in four scenes, or mood settings. The four circuits can be set to any combination of levels in each of the four scenes. The four buttons do not have to specifically relate to the four circuits individually. There are also On (☼) and Off (●) scenes, which may contain any levels required.

A scene is a pre-programmed set of different brightness levels for a combination of circuits, that may be recalled at any time by pressing one of the scene-selection buttons. Scenes are used to create different lighting moods for the area being illuminated.



All of the circuits which are currently illuminated, or any individual channel on its own, may be raised or lowered(made brighter or dimmer) at any time without affecting the programmed scenes.

Important Safety Notes

- ⚠ WARNING: Isolate (turn off) the mains power at the main consumer unit (fuse box) before commencing installation or performing any maintenance, including changing blown lamps.
- ⚠ SceneStyle4 is designed to control incandescent (filament) lamps at Mains Voltage or Low Voltage when fed from a suitable Electronic Transformer. To avoid hazard or possible damage do not use with inductive, fluorescent, wire-wound Transformer or motor loads.
- ⚠ SceneStyle4 must be installed by a qualified electrician or other competent person. Installation should be in accordance with the National Wiring Regulations or other applicable Regulations. Compliance with the EC EMC or Low Voltage Directives may be invalidated, if not used or installed to the published specification.
- ⚠ SceneStyle4 is for installation to 230V and 240V single phase mains supplies only. The cable connected to the Live Input terminal must be capable of supplying the total current of all four circuits (4A maximum).
- ⚠ SceneStyle4 must be protected by an external circuit breaker or fuse rated at 6A maximum.
- ⚠ SceneStyle4 is a Class 1 product. This unit must be Earthed.
- ⚠ SceneStyle4 must be installed in a suitable UK double gang backbox, compliant to BS4662 or BS5733. We recommend that a 47mm depth backbox is used.
- ⚠ SceneStyle4 complies with EN60669-1/EN60669-2-1, EN55105 and EN61547.
- ⚠ SceneStyle4 does not require a Neutral and may be used to replace normal light switches or rotary dimmers.

Holiday Mode

SceneStyle4 can help deter would be burglars by simulating occupancy of your house by switching lights on and off automatically.

To Enable Holiday Mode:

- ☞ Hold the "☼" and "●" buttons down together for 5 seconds until the LEDs on those buttons illuminate green
- ☞ Release the buttons
- ☞ Enter the delay that you require before automatic holiday mode beings. This is done by using a combination of buttons 1, 2, 3 and 4 to indicate the required time. The delay time is calculated by adding the "values" represented by buttons 1, 2, 3 and 4 together, as shown in the table below. Press each of the buttons to toggle them on (green) or off (not-illuminated) to add or exclude their "value" from the time. For example to delay the start of holiday mode by 5 hours buttons 1 and 4 should be illuminated.



Time until automatic holiday mode begins	1 hour	2 hour	3 hour	4 hour	5 hour	6 hour	7 hour	8 hour	9 hour	10 hour	No Delay
Button 1 + 1 hours	✓				✓			✓		✓	
Button 2 + 2 hours		✓				✓			✓	✓	
Button 3 + 3 hours			✓				✓	✓	✓	✓	
Button 4 + 4 hours				✓	✓	✓	✓	✓	✓	✓	

✓ indicates that the button is toggled to the "On" state.

To activate Holiday Mode

- ☞ Hold down the "☼" and "●" buttons for 5 seconds until all LEDs illuminate green.
- ☞ Release the buttons.

All LEDs will flash green and the LED showing the current scene will be illuminated red. As the SceneStyle simulates occupance the red LED will change from scene to scene automatically. The sequence of scenes is as in the table below.

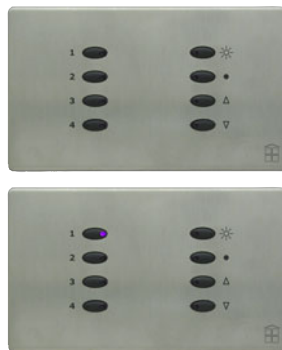
Step	Offset from Start Time	Example: actual time (if Holiday Mode is delayed to begin at 6:00pm)	Scene automatically recalled
1	Start Time	6:00pm	On
2	Start Time + 30 minutes	6:30pm	1
3	Start Time + 1 hour, 30 minutes	7:30pm	2
4	Start Time + 3 hours, 30 minutes	9:30pm	3
5	Start Time + 6 hours, 30 minutes	12:00pm	Off
6	Start Time + 12 hours, 30 minutes	6:30pm	3
7	Start Time + 13 hours	7:00am	On
8	Start Time + 15 hours	9:00am	Off

- ☞ To exit holiday mode press any button.

...continued from page 12

The LED's are extinguished after the first press and the first digit entered will be illuminated purple.

After the second button has been pressed, if a valid selection is made, you will be returned to step 2 (Page 12). If an invalid selection is made (i.e. a code that does not exist or an incompatible switch type) all LEDs will flash red until you press another button, at which point you will be returned to step 2 (Page 12). Any incorrect settings will not be stored, so the last-good state will be used instead.



Note

Note: Some combinations of function and switch type are not allowed eg. Impulse operation with a volt free contact – The table shows the input types that are allowed for each option.

What is Impulse Operation?

Impulse operation uses one push button input to select between on, off and raising or lowering of lighting levels. Alternate short pushes of the button toggle between on and off. Holding the button down will raise or lower the level of the circuit(s). When the circuit is switched on it will return to the last "on" level that it was set at.

Description of Switch Types

Momentary action (push button) / Retractive switch - With this type of switch the remote input will activate whenever the push button / retractive switch is pressed but not when it is released

Rocker switch (alternate action) - With 'alternate action', a rocker switch on the remote input will activate whenever the rocker is switched to a different position (as it would with a standard domestic two way switching arrangement)

Rocker switch (fixed action) - With 'fixed action' option, a rocker switch on the remote input will always perform the same action when the switch is opened and a different action each time the switch is closed.

For example: If a 'last man out' rocker switch is connected to two SceneStyles, both set to switch between the ☼ and ● scene from a fixed action rocker, the ● scene will always be recalled on both SceneStyles when the switch is opened and the ☼ scene will always be recalled when the switch is closed. However, with an alternate action rocker: if one of the SceneStyles is in the ☼ scene and the other is in the ● scene and the rocker switch is activated both SceneStyles will switch to the opposite scene.

Volt free contact (trigger on contact closure) - With this switch type the remote input will activate whenever the RTN terminal on the SceneStyle becomes live.

Volt free contact (trigger on contact opening) - With this switch type the remote input will activate whenever live is removed from the RTN terminal of the SceneStyle.

Maximum and Minimum Loads

You do not have to use all four circuits, however Circuit 1 must always be connected. Circuit 1 has a maximum load of 500W and a minimum load of 50W. The total load connected to the SceneStyle4 must not exceed 1000W.

Circuit	Maximum Load	Minimum Load (Mains Lighting)	Minimum Load (LV Electronic Transformers)
1	500W	50W	100W
2	500W	50W, if used	50W, if used
3	250W	50W, if used	50W, if used
4	250W	50W, if used	50W, if used

TIP

If the load connected to Circuit 1 drops below the minimum level shown in the table above then all circuits will be affected. For example, if the lamp(s) connected to Circuit 1 blows and the resulting load is less than 50W (or 100W if using electronic transformers) then all of the other circuits may no longer function correctly. Therefore, it is recommended that you make Circuit 1 the circuit to which you connect the largest number of lamps.

Note

The minimum load figures quoted are for Mode Lighting (UK) Ltd electronic transformers. SceneStyle4 will operate with other electronic transformers, however, if they have a high input capacitance (a common problem with low quality goods) then the minimum load may increase.

⚠ The SceneStyle4 dimmer is suitable for 12v halogen lamps using only electronic transformers and not wire wound or toroidal. Suitable electronic low voltage lighting transformers are manufactured by Mode Lighting (UK) Ltd. Please contact your SceneStyle4 stockist regarding the correct product for your installation.

You may connect 240V GLS and GU10 lamps to the SceneStyle4 dimmer.

⚠ SceneStyle4 circuits will shutdown if shorted or overloaded. This is indicated by buttons 1, 2, 3 or 4 flashing red/orange.

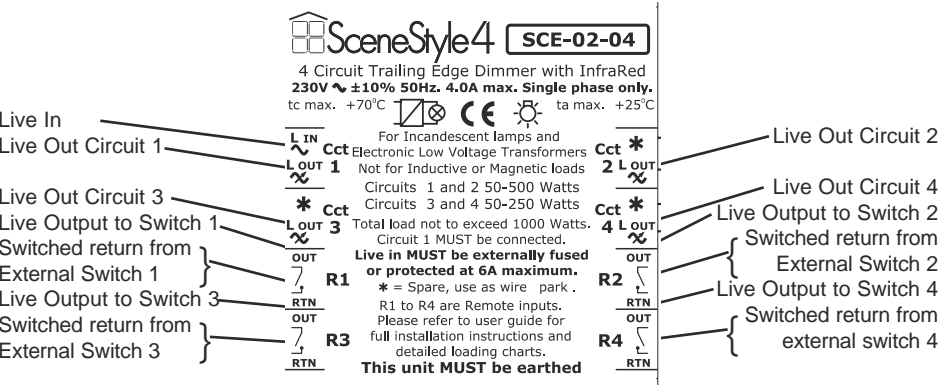
⚠ For indoor use only, at temperatures between 0°C and +40°C.

⚠ The front fascia plate will become warm during operation. This is normal.

⚠ Do not operate without the front fascia plate correctly fitted.

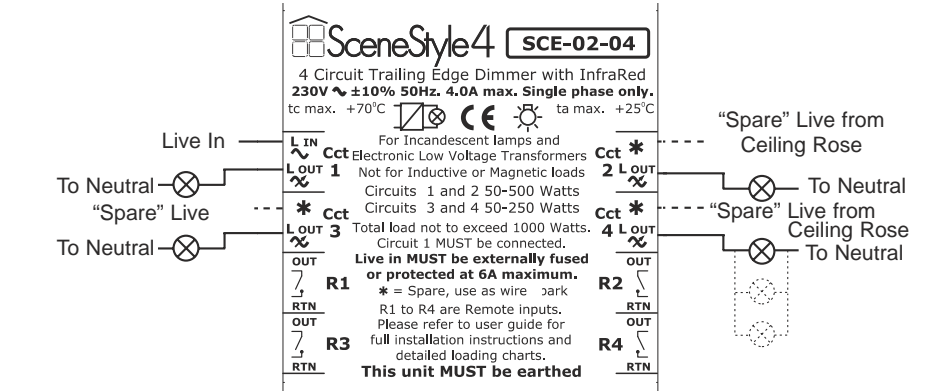
Wiring

Each of the circuits of the SceneStyle4 dimmer replaces a normal light switch or rotary dimmer. Circuit 1 must always be used and has a maximum load of 500W and a minimum load of 50W. You do not have to use all four circuits, however you will still have four available scenes together with On (☼) and Off (●) available.



NB: The cable connected to the Live-In terminal must be capable of supplying the total current for all four circuits (4A maximum) and must be protected by an external fuse or miniature circuit breaker (MCB) rated at 6A maximum.

Terminals marked * have no internal connection. You may use them as a terminal to “park” additional live feeds from lighting circuits other than Circuit 1.



Note

If the loading of the SceneStyle4 is close to maximum (1000W) then the SceneStyle4 and the fascia plate will get warm (this is normal). To keep the temperature rise to a minimum we advise that if the SceneStyle4 is installed in a wall with some form of insulation (e.g. fibreglass), that you remove some of that insulation from around the back-box to allow air movement.

Remote Input Options Menu

		Input types allowed			
		Push button / Retractive	Rocker switch (alternate action)	Rocker switch (fixed action)	Volt free contact
Group 1 – Two way switching					
1	Input switches its respective circuit / Default setting	✓	✓	✓	✓
2	Input switches all circuits	✓	✓	✓	✓
3	Input switches Circuits 1 and 2 only	✓	✓	✓	✓
4	Input switches Circuits 1 and 3 only	✓	✓	✓	✓
5	Input switches Circuits 1 and 4 only	✓	✓	✓	✓
6	Input switches Circuits 2 and 3 only	✓	✓	✓	✓
7	Input switches Circuits 2 and 4 only	✓	✓	✓	✓
8	Input switches Circuits 2, 3 and 4 only	✓	✓	✓	✓
Group 2 – Scene selection between pre-determined scenes 1					
1	Input alternately switches between '●' Scene and ☼ scene	✓	✓	✓	✓
2	Input alternately switches between '●' Scene and Scene 1	✓	✓	✓	✓
3	Input alternately switches between '●' Scene and Scene 2	✓	✓	✓	✓
4	Input alternately switches between '●' Scene and Scene 3	✓	✓	✓	✓
5	Input alternately switches between '●' Scene and Scene 4	✓	✓	✓	✓
6	Input alternately switches between '☼' Scene and Scene 3	✓	✓	✓	✓
7	Input alternately switches between '☼' Scene and Scene 4	✓	✓	✓	✓
8	Input alternately switches between Scene 1 and Scene 4	✓	✓	✓	✓
Group 3 – Scene selection between pre-determined scene and previously selected scene					
1	Input alternatively switches between '●' Scene and previously selected Scene	✓	✓		✓
2	Input alternatively switches between '☼' Scene and previously selected Scene	✓	✓		✓
3	Input alternatively switches Scene 1 and previously selected Scene	✓	✓		✓
4	Input alternatively switches Scene 2 and previously selected Scene	✓	✓		✓
5	Input alternatively switches Scene 3 and previously selected Scene	✓	✓		✓
6	Input alternatively switches Scene 4 and previously selected Scene	✓	✓		✓
Group 4 – Scene selection of an individual scene					
1	Input selects '●' Scene	✓	✓	✓	✓
2	Input selects '☼' Scene	✓	✓	✓	✓
3	Input selects Scene 1	✓	✓	✓	✓
4	Input selects Scene 2	✓	✓	✓	✓
5	Input selects Scene 3	✓	✓	✓	✓
6	Input selects Scene 4	✓	✓	✓	✓
Group 5 – Impulse Operation					
1	Impulse operation on respective circuit only	✓			
2	Impulse operation on all circuits	✓			
3	Impulse operation on Circuits 1 and 2 only	✓			
4	Impulse operation on Circuits 1 and 3 only	✓			
5	Impulse operation on Circuits 1 and 4 only	✓			
6	Impulse operation on Circuits 2 and 3 only	✓			
7	Impulse operation on Circuits 2 and 4 only	✓			
8	Impulse operation on Circuits 2, 3 and 4 only	✓			

Entering Advanced Setup Mode

Advanced Mode allows you to configure special options for the remote inputs (mains rated switches) by following these steps:

Step 1: Enter advanced setup mode

☞ Hold down Δ and ∇ buttons together and whilst they are held press sequence 2-1-2-1

Step 2: Setup configuration of remote inputs

Buttons 1 and 2 illuminate green.

☞ Press Button 1 to select Remote Input Options Menu
(Other buttons are reserved for future enhanced features)



Step 3: Choose which configurable input to set up (1-4)

Buttons 1, 2, 3 and 4 will be illuminated in red.

☞ Press the button corresponding to the remote input that you want to set up (i.e. button 1 selects input number 1)

Once selected, the chosen button will flash red whilst you carry out steps 4 and 5.



☞ If you wish to return to step 2 press "●".

☞ To return all remote inputs to default settings hold button 1-4 simultaneously until all LED's flash red (approximately 5 seconds), then release all buttons.

Step 4: Choose the type of switch that is connected to the remote input

Buttons 1, 2, 3 and 4 are illuminated blue to indicate available options.

Button Number	Switch Type
1	Momentary action / retractive (push button)
2	Rocker (alternate action) - default setting
3	Rocker (fixed action)
4	Volt free contact (trigger on contact closure)
5	Volt free contact (trigger on contact opening)



see Page 14 for description of switch types.

☞ Select the required switch type 1, 2, 3, 4 or 5.

☞ If you wish to return to step 2 press "●".

Step 5: Choose remote input function

Select a two digit operating function by pressing two buttons to choose the group number and the second to choose the selection within that group from the table on the following page.

☞ Press 1 indicates the group.

☞ Press 2 indicates the selection from within that group.

continued on p.14...

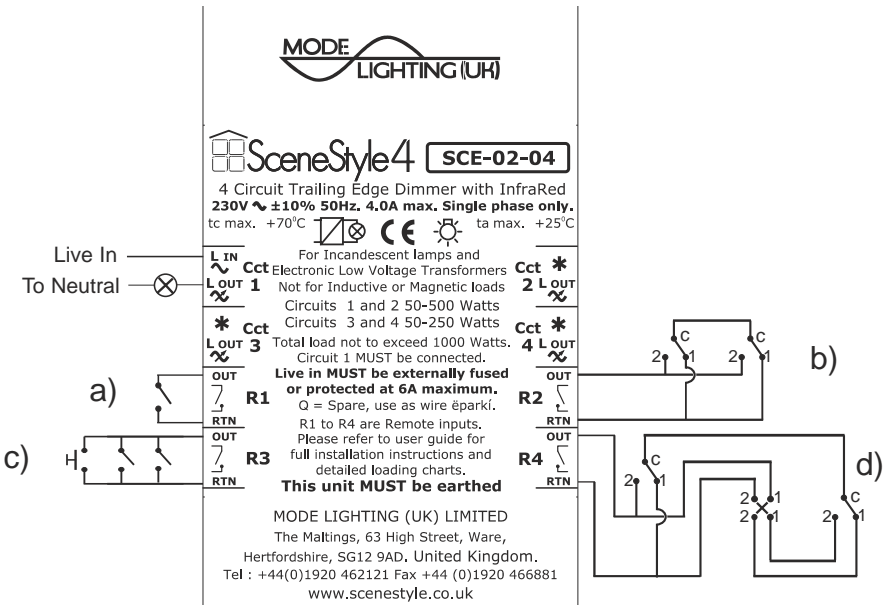
Connecting Two-Way Switches or External Switch Inputs

The SceneStyle4 has four pairs of terminals to enable up to four external mains rated switches to be connected. These switches may be configured to perform one of a number of different functions using the advanced set-up menu (see Pages 12-14). By default, they are configured to switch their respective circuit On or Off.

The remote inputs are mains-live and therefore all switches (or volt-free relay contacts) and the cable to them must be mains rated.

Switches used may be push-buttons or retractive switches, rocker switches or volt-free contacts.

The Live outputs to the switch terminals are internally connected to the Live-In terminal. Therefore, it is important to ensure that the permanent live feed is connected to the Live In terminal and not to the Live-Out terminal – see diagram below.



Example of

a) Remote Switch

b) Remote 2-way Switches

c) Switches wired in parallel or push-buttons

d) 3-way Switching (e.g. stairs/landing)

Fitting the Front Fascia Plate

The fascia plate must be fitted prior to switching on the mains power. Normally the fitting of the fascia would be delayed until after the wall has been painted and other non-clean building tasks have been completed.

To fit the fascia, align the left-hand side first, clipping it onto the side of the plate.

Ensure that all of the buttons are able to fit through the holes. You may need to wiggle them slightly to ensure that they do not get trapped behind the fascia.



Firmly press the top right corner and then the bottom-right corner of the fascia until it clicks into place.

Check that all of the buttons are freely protruding through the holes in the fascia.



Removing the Front Fascia Plate

A fascia plate may be removed by inserting a 4mm flat-head screwdriver under the tab that protrudes from the bottom right corner of the plate, and performing a quarter turn twisting action.

Be ready to restrain the fascia as it detaches from the false-plate to avoid damage in dropping it.



TIP / ADVANCED FEATURE

Circuits may be excluded from a scene so that when that scene is recalled the excluded circuit stays at its current level. For example, in your living room: if the circuit was connected to a standard lamp you could control it using the SceneStyle without affecting the levels of the ceiling/wall lights in the room, however the "●" scene would still be able to control all lights. By default all circuits are included in all scenes.

Setting LED Colours

The LEDs that illuminate the buttons on the SceneStyle4 have two states.

1. They may be set to one of seven colours when they are brightly lit, indicating that a scene or circuit has been selected
2. They may be set to be either off, or illuminated with a dim colour when they are indicating that a button is not selected i.e. a backlit colour.

1) Hold down the Δ and buttons for 5 seconds.

LEDs show the seven available bright colours.

2) *Press a button to program your colour choice for a bright colour to indicate the selected scene.

LEDs show the seven available dim colours and off.

3) Press a button to program your.



*Factory Default Colours

During this Step the bottom right hand button resets the LEDs to the factory default colours, which are:

On scene: Green
Off scene: Red

For scenes 1 to 4 a bright blue LED indicates the scene is currently selected, whilst other LEDs are lit in dim-blue.

Blown Bulbs, Short Circuits and Shut-Down

The SceneStyle4 contains advanced fault-detection and automatic shut-down circuitry.

If a circuit is overloaded (i.e. if too many bulbs are connected to one circuit) or if a circuit is short-circuited, then it will automatically shut down. This does not affect the other circuits connected to the SceneStyle unit.

If the short-circuit was only momentary, for example if a GU10 lamp had blown then SceneStyle will detect this state, and will automatically try to restart the circuit.

If the overload or short-circuit condition prevents the circuit from automatically restarting then the LED for the button corresponding to that circuit will flash alternately red and orange.

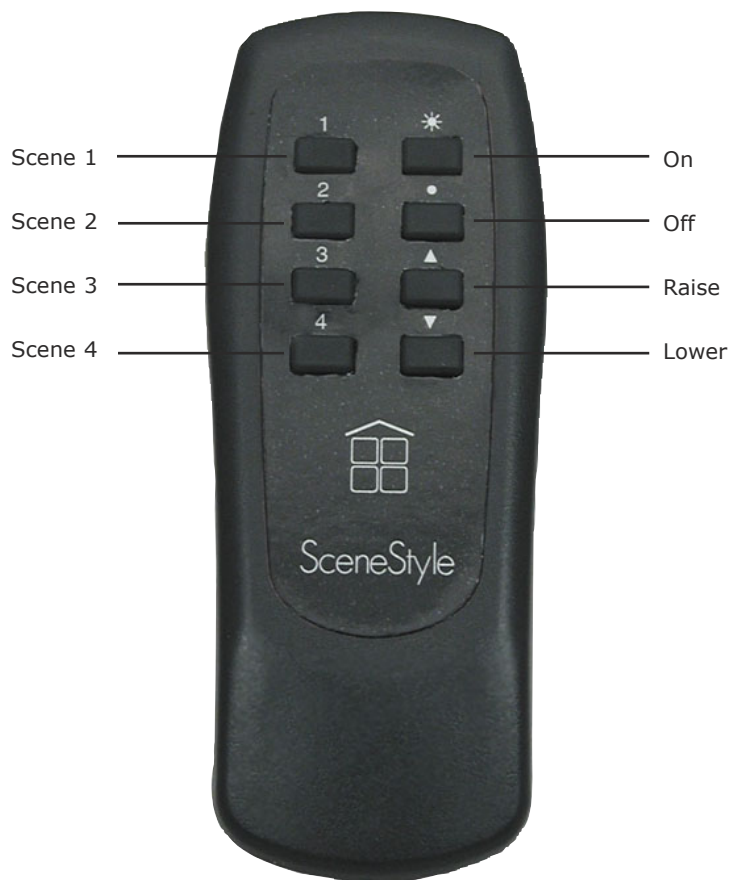
Once the fault has been cleared, for example if a short-blown-GLS lamp has been removed, then to restart the circuit, hold down the circuit button for more than two seconds. The circuit output level will be the level as programmed in the scene that is currently selected.

Infrared Remote Control

The infrared remote control allows selection of the four scenes, and the On (☀) or Off (●) scenes.

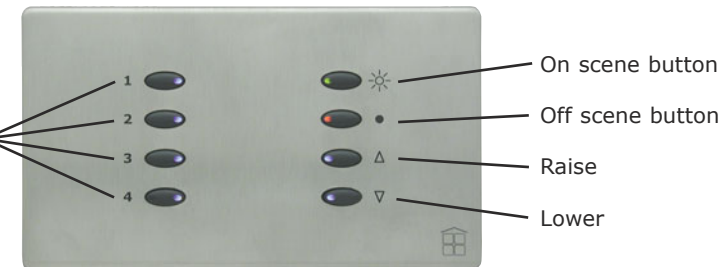
The raise and lower buttons perform a master raise/lower function on all of the circuits in a scene. Any circuits that are programmed to be off (i.e. a level of zero) in a particular scene will not be altered by the Δ and ▽ buttons.

Further IR codes for use with learning remotes, such as the Philips Pronto®, are available from www.scenestyle.co.uk. These allow facilities such as individual circuit control.



Operation

Scene selection buttons (when pressed) or Channel selection buttons for raise/lower when held.



By default the SceneStyle4 will power-up to the Off (●) scene.

To select a pre-programmed scene

- ☞ Press one of the numbered Scene buttons on the left, or press either the On (☀) or Off (●) button on the right.
- ☞ The scene will be recalled at the fade time that has been programmed and the button will illuminate brightly to show which scene has been selected.

By default the pre-programmed Scenes are configured as follows:

Scene	Factory Default Settings
1	All circuits at 90%, 2 second fade
2	All circuits at 70%, 2 second fade
3	All circuits at 50%, 2 second fade
4	All circuits at 30%, 2 second fade
On (☀)	All circuits at 100% (Full On), instant action, no fade
Off (●)	All circuits at 0% (Off), 2 second fade

Double-pressing a button will “snap” to the scene i.e. on instant action rather than a slower fade.

See the section below on Scene Programming for details on how to set your own lighting levels for each scene.

To raise or lower the level of all circuits that are currently illuminated

- ☞ Press and hold either the Δ (raise) or ▽ (lower) button.

To raise or lower the level of a single circuit at any time

- ☞ Press and hold one of the numbered buttons 1-4 on the left, to select the circuit you wish to alter
- ☞ Within 5 seconds, and whilst still holding the numbered button press and hold either Δ or ▽ to raise and lower the circuit brightness.
- ☞ Release both buttons when the desired level has been reached

Scene Programming

The levels of each circuit may be independently set in each scene. A scene does not have to contain all of the circuits in an illuminated state. Each scene has a fade time, which is the amount of time it will take to transition from the current light levels to the levels that have been programmed into the scene. Available fade times are 0 (instant change), 2, 4, or 8 seconds. By default scenes will fade over 2 seconds apart from the On (☀) scene which is set to “snap” on by.

