

# Sphere

Taking lighting control to a new dimension





“ Taking lighting  
control to a  
*new dimension* ”

# Our commitment to you!

At Schneider Electric, we are committed to offering new and improved products to our customers and we want to ensure you have access to the latest technologies.

We're now launching the next evolution from our GET range of lighting control products, moving into the future as one brand...



...welcome to Sphere.

Take a look at the next few pages to find out how Sphere is taking lighting control to a new dimension.



# Control is king

With today's homeowners demanding more from their electrical installations, the need for greater control has never been more important.

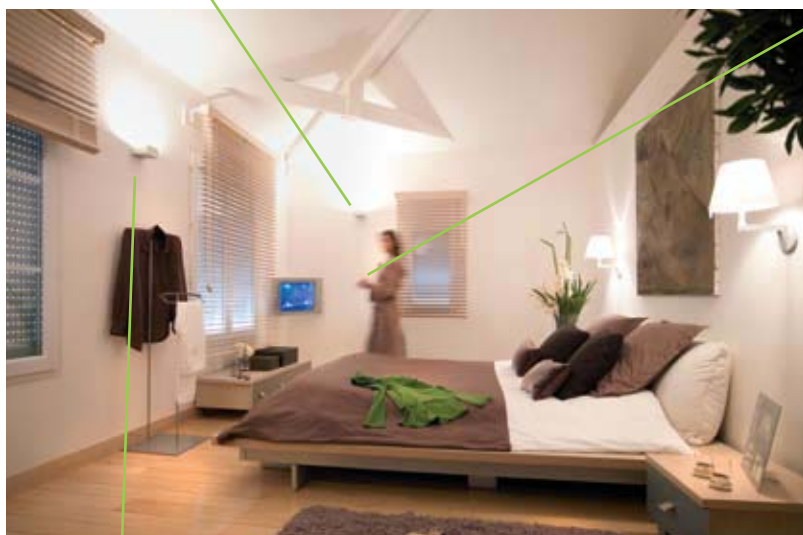
Schneider Electric wants control to mean more than just automation, offering total flexibility, convenience and energy efficiency.

Choose Sphere from Schneider Electric and you will see the true meaning of control.



## How does it work?

Sphere operates by sending a coded wireless signal from a controller to the wired-in circuit receiver units. These in turn control the light source or other equipment connected to it. The receivers are discreetly located into the ceiling when used with fixed lighting or under furniture when used with portable lighting.



## Total control at your fingertips

At the push of a button, the light levels can be controlled to meet the desired ambience.

With a choice of either wall mounted or stylish hand held controllers, the ability to change the lighting to suit your mood is always within easy reach.



## Setting the scene

With either five or eight channels available, Sphere provides a wide range of lighting options to create the perfect setting for your home, whether socialising with friends, or relaxing after a hard day's work.



## Stylish solutions

With its modern design, Sphere's remote controllers bring style and sophistication into a home.

The wall controllers have a choice of interchangeable front plates and fully complement Schneider Electric's Ultimate screwless flat plate range. This means the installation can be coordinated to produce a sleek and stylish end result.



## Simplicity at its best

Sphere requires no complicated software or specialist installation, which means programming couldn't be simpler

All it takes are a few easy steps using the controller and receiver for the system to be up and running. Additional receivers can be added into the installation at any time, making Sphere an ideal solution for those who want a flexible future from their lighting control.



## Safe and sound

Taking lighting control to a higher level, Sphere can act as a security measure.

By using the wireless controllers, the whole house can be lit up prior to entering, providing peace of mind when returning home at night.



## The choice is yours

**Sphere can be used to control both indoor and outdoor lighting.**

Offering the additional benefit of relay operated devices, Sphere can control a wide array of other outputs, such as fans, compact fluorescent lamps and LED lighting. Sphere is the future of automation.

... Control for inside and out

## Going green

Lighting control can help to reduce energy consumption as lights are only on when needed. In addition, light levels can match outside conditions, so homeowners can use low lighting in early evening, changing to brighter lights as it gets darker.



Homeowners can use low lighting in early evening, changing to brighter lights as it gets darker.



## Easy does it

The controllers can be mounted to any surface and require no wiring, making installation simple and straightforward.

The receivers can be mounted inline, which enables table lamps, uplighters and other lighting outputs to be incorporated into the complete lighting solution. They can also be part of the fixed wiring into ceilings or floor voids.

## The choice is yours...



## A world of possibilities

There is no limit to the number of receivers that can be installed in each property, so every room could potentially be controlled individually.

Receivers can operate up to 30 metres away from the controller, offering flexibility for the homeowner.

A single channel dimmable receiver is available, which is ideal for individual channel applications such as a child's bedroom. This will enable local control of the room's lighting, as well as the ability to link it to the rest of the system.

# Product overview



## Control

Wall and hand held controllers

The battery operated controllers can be located in any position around the home. The wall controllers can be mounted flush in an existing 16mm deep standard mounting box or surface with the pattress box supplied as standard with every controller. Alternatively the handheld controller provides complete flexibility around the home, from the living room, to the kitchen, bathroom and even from the car, giving you a welcome light.



## Dimming

Ceiling dimmable receiver

At the push of a button, the light levels can be controlled to meet the desired ambience. With a choice of either wall mounted or stylish hand held controllers, the ability to change the lighting to suit your mood is always within easy reach.



Fluorescent dimmable receiver

This additional receiver can now be used in conjunction with fluorescent light sources and a dimmable ballast (not supplied). When fully installed, Sphere will provide an effective fluorescent dimming solution meaning more light sources can be controlled.



Floor dimmable receiver

Sphere also offers the facility to control portable lighting such as table lights and uplights, thereby linking both fixed and portable room lighting for a fully integrated lighting solution.





## Combined dimmable receiver

This hard wired control unit is perfect for retrofitting in a single room, e.g child's bedroom, and provides simple scene control and dimming functions of the room's light. However when programmed in conjunction with the rest of the Sphere range, this dimming receiver can be controlled remotely and incorporated into the overall scene functionality.



## Switching

Relay receiver

The simple relay receiver can be used for remote switching of equipment such as air extraction units and pumps. In addition, it is ideal for use with lamps and lighting, which incorporate CFL or LED light sources.



With the addition of a relay receiver and some simple programming, other equipment can also be controlled. A silent night time mode can easily be introduced for the bathroom, by allocating a specific channel. When in use, the channel will give you light without activating the extractor fan.

All other channels, when in use are set to activate the fan, thus complying with air extraction regulations



## Additional mastering function

Sphere can be used for either a single room application, offering up to five or eight scene settings, or multiple rooms where each room can have its own series of scenes. The addition of a further remote controller set to 'mastering mode' provides remote access to channel one of each of the various rooms.

# Main Product selection

## Controllers



GSWWC5

GSWWC5	5 Channel wall controller
GSWWC8	8 Channel wall controller
GSWHC5	5 Channel hand controller
GSWHC8	8 Channel hand controller



GSWHC8



GSWWDR30

### Additional information:

- Dimensions wall controllers :- 88 x 88mm
- Minimum mounting depth (wall controller) 16mm
- Pattress box supplied for surface mounting all wall controllers
- Wireless transmission up to 30m (subject to conditions)
- Battery operation for maximum life (CR 2032)
- Controllers are suitable for use as stand alone devices or as mastering units for whole house control
- 433 MHz radio frequency
- EN 60950-2000
- Wall controller is supplied with brushed stainless steel front plate. Other front plates are available to order
- Hand controller is supplied with simple wall bracket for easy fixing
- Hand controller can easily be reconfigured as a master controller

All handheld controllers are supplied with Stainless steel front plates and wall mounting bracket.

## Receivers



GSWCRR5A

GSWWDR30*	Wall dimmable receiver – 300W/VA
GSWFDR35	Floor dimmable receiver – 350VA
GSWCDR35	Ceiling dimmable receiver – 350VA
GSWCRR5A	Ceiling relay receiver – 5A
GSW10VFLDR	Ceiling fluorescent dimmable receiver - 1-10V

\*minimum mounting depth 25mm | two wire connection

### Additional information:

- For use with a wide range of lights and control equipment
- Relay receivers suitable for fluorescent lighting loads, LED lighting loads, as well as a wide range of other equipment, e.g. extractor fans etc
- Ceiling receiver designed for use with LV halogen, mains halogen and incandescent loads



GSWFDR35



GSW10VFLDR

- Colour coded terminals
- BS EN 60669-2-1-2000
- Mains operation
- Loads:
 

-Dimmable receiver	350VA
-Relay receiver	5A (2A motor load)
-Wall dimmable receiver	300 W/VA (50VA/60W min load)
-Fluorescent dimmable receiver	1 – 10V

# Replacement wall controller front plates



GSW1GFP5PN

- |            |                                   |
|------------|-----------------------------------|
| GSW1GFP5** | 5 channel 1 gang wall plate       |
| GSW1GFP8** | 8 channel 1 gang wall plate       |
| GSW2GFP5** | 5 channel 2 gang wall plate       |
| GSW2GFP8** | 8 channel 2 gang wall plate       |
| GSWWDRFP** | Wall dimmable receiver wall plate |

All face plates are available in:

- |                            |                             |
|----------------------------|-----------------------------|
| <b>PB</b> - Polished Brass | <b>PC</b> - Polished Chrome |
| <b>PN</b> - Pearl Nickel   | <b>SS</b> - Stainless Steel |
| <b>PW</b> - Painted White  | <b>BN</b> - Black Nickel    |

\*\*Please insert finish reference after product code



GSW2GFP8BN

## Additional information:

- 1 gang face plates - dimensions 88 x 88mm
- 2 gang face plates - dimensions 88 x 148mm
- For use when fitting a wall controller in place of an existing 2 gang flush mounting box
- 2 gang face plates are supplied with new mounting grid

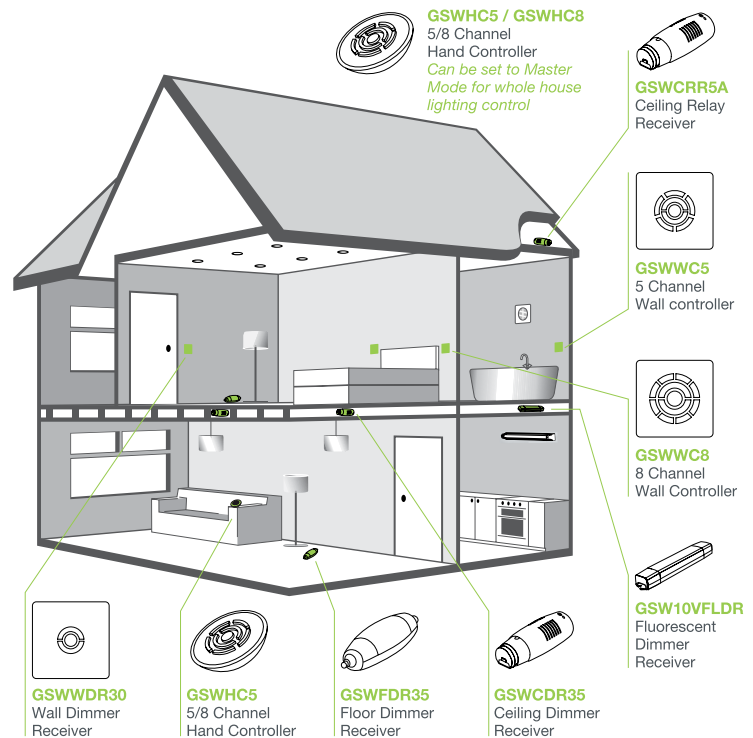


GSWWDRFPN

## Sphere house

The wireless technology employed by Sphere enables the system to be used virtually anywhere. Sphere is ideal for either a single room or whole house control

**For more information** on how to implement Sphere in your home please contact one of our experts on 0870 608 8 608 or visit our website [www.schneider-electric.co.uk/sphere](http://www.schneider-electric.co.uk/sphere)





Nationwide support on one number -

**0870 608 8 608**

Fax 0870 608 8 606

Schneider Electric, the global specialist in energy management, offers integrated solutions making energy safer, more reliable, efficient and productive in the energy and infrastructure, industry, data centres and networks, buildings and residential markets.

With sales of €15.8 billion in 2009, the company's 100,000+ employees in over 100 countries help individuals and organisations make the most of their energy.

We are changing our brand names and becoming one Schneider Electric. You'll get the same great quality products, but from one name you can remember and trust. This provides you and your customers with the reassurance associated with Schneider Electric.

Some of our market leading brands have already become Schneider Electric including **Merlin Gerin, Telemecanique, Mita, Sarel, Himel, Thorsman, Tower** and **TAC**.

Working as one Schneider Electric makes it clearer that our ranges are highly compatible for integrated solutions.

## Schneider Electric Ltd

United Kingdom  
Stafford Park 5,  
Telford  
Shropshire  
TF3 3BL  
Tel: 0870 608 8 608  
Fax: 0870 608 8 606  
[www.schneider-electric.co.uk](http://www.schneider-electric.co.uk)

Ireland  
Head office, Block a  
Maynooth Business  
Campus  
Maynooth, Co. Kildare  
Tel: (01) 601 2200  
Fax: (01) 601 2201  
[www.schneider-electric.ie](http://www.schneider-electric.ie)

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