

EASYSWITCH

THE WIRELESS SWITCHING SOLUTION



EASYSWITCH OVERVIEW

EasySwitch, as the name suggests, is a flexible range of simple switching solutions for both residential and commercial applications. At the core of the system are various transmitters and receivers with a wealth of different configurations capable of providing a bespoke system to fit the house holder or installer's needs. The EasySwitch system is extremely user friendly and involves no expensive civil works or cabling. The system works using FM signals and utilises a highly developed coded technique to ensure an excellent and reliable transmission range well in excess of 100 metres.

Transmitters include the discreet wall switch unit which fits neatly behind any light switch plate, from single to four gang, to convert into a wireless wall switch. In addition there are key fobs and the HVAC transmitter for the retro control of pumps, boiler and under floor heating systems.

Receivers range from mains switching types for operating up to four lighting circuits to the new 16 zone receiver for CCTV and alarm systems, capable of operating with up to 16 PIR detectors.

Each transmitter has its own unique identifying code which can be learnt by the receiver and there are no complicated dip switches to be set.



EASYSWITCH FOR THE HOME

There are countless applications for the EasySwitch system within your home. For example you may want to operate some garden lighting but don't want to run cables into the house and channel out the walls. The EST1 transmitter fits discreetly behind most light switch wall plates and runs off a simple battery. The wireless switch may be sited easily and quickly anywhere in the home and will wirelessly transmit to one or more receivers in the garden which, when connected to a convenient power supply, will switch the lighting.

With EasySwitch PIR detectors positioned in a driveway or back garden, you can be alerted to the arrival of visitors or a possible intruder when movement is detected.

The detector can be sited over 100m away from a receiver which can activate security lighting, a CCTV system and/or operate an audible alert – the ESB1 Bleeper.

The EasySwitch range also includes the EST4HVAC transmitter – this is the ideal wireless solution for controlling pumps and valves for under floor heating for example. This transmitter is mains powered and controlled by mains inputs. The transmitter and receiver can be sited up to 100 metres from each other and there is no need for any expensive civil works or cabling to be carried out.



EASYSWITCH – COMMERCIAL APPLICATIONS

With the addition of the new 16 way receiver (ESR8 + 8) the EasySwitch system can be applied to a wider number of commercial sites requiring up to 16 or more PIR detectors receiving to one central position. With this receiver you have 16 volt free outputs for connection to third party CCTV or alarm systems. Transmission range is up to 500m line of sight when used with an external antenna (AE434).

As this new receiver is part of the EasySwitch system it integrates with the range, so, for example you can arm and dis-arm your alarm system with an EasySwitch fob (ESF1 / 4) or switch (EST1).

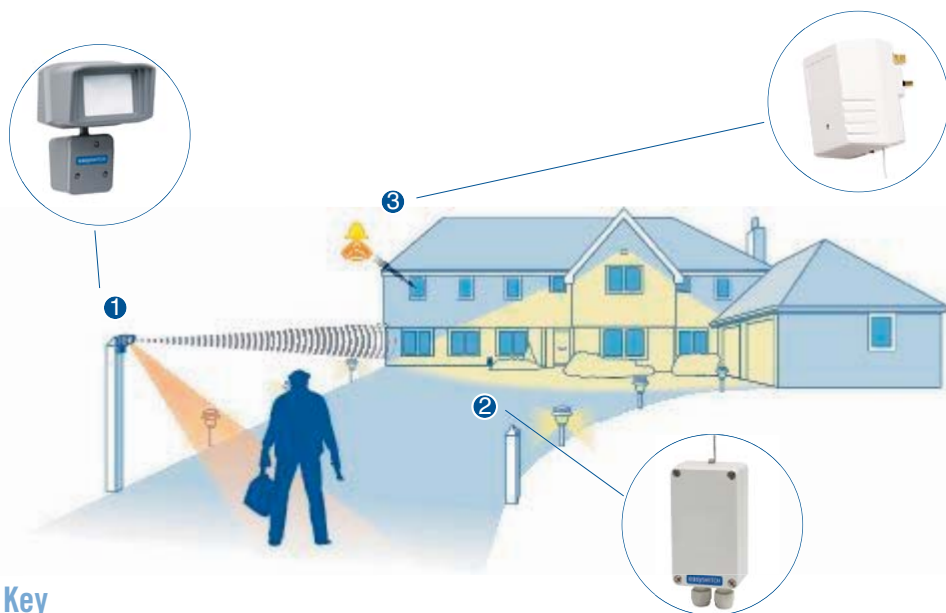
EasySwitch PIR detectors are available in 3 models – 15m, 40m and curtain lens (pet immune). They have a weatherproof enclosure to IP66 standard and run off a simple PP3 battery.

For the installer EasySwitch is a truly cost effective solution. Not only is the equipment keenly priced but it is also quick and easy to install.

The unique features of Easyswitch make this system extremely versatile whilst significantly reducing installation costs. Projects that are just too cost prohibitive to do using conventional hard wiring become a reality with Easyswitch.



Wirelessly Control Outside Lights and Internal Bleeper



Key

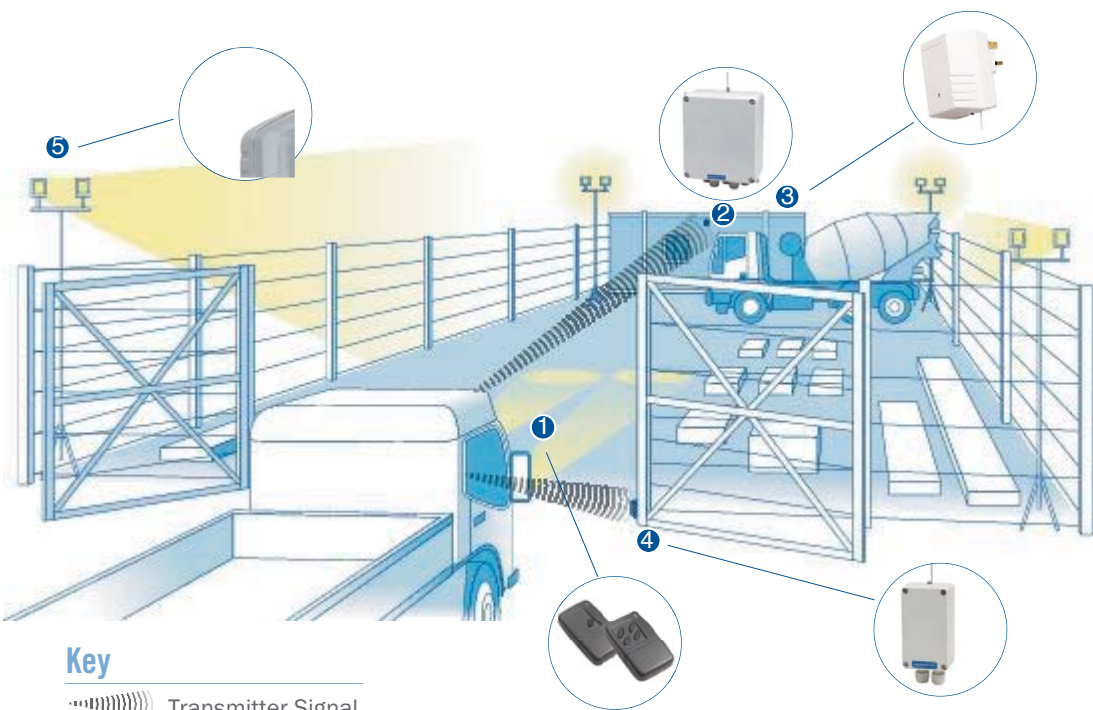
····· Transmitter Signal

▶ PIR Beam

Battery powered, stand alone **ESD PIR Detectors** ① have a built in transmitter and can be sited up to 100 metres from the **ESR1 Receiver** ② In this scenario the intruder is detected by the PIR detector which sends a signal to the receiver to turn on security lights. It also sends a signal to the **ESB Plug In Bleeper** ③ to give an audible alert. Multiple PIRs can be used with a single or four way receiver to provide maximum coverage.



Wirelessly Operate Lights and / or Electric Gates



Key

..... Transmitter Signal

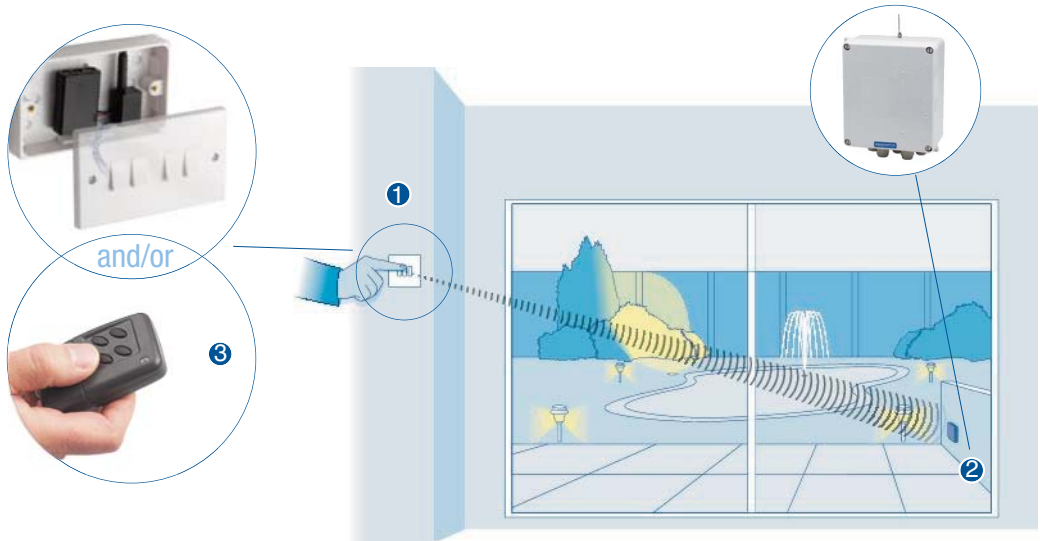
With a transmission range of 100m and long battery life EasySwitch

Key Fobs ① offer the perfect solution for wireless switching.

Working in conjunction with the **ESR4 Receiver** ② up to four circuits can be switched from a single fob. An optional **ESB Bleeper** ③ can also be used to alert staff working on site or within a construction office.

A single circuit **ESR1 Receiver** ④ can be used to operate for example, gates or just a single lighting circuit. Wireless **PIR detectors** ⑤ enhance the system by facilitating automatic switching of security lighting and beepers.

Wirelessly Control Garden Lighting and Features



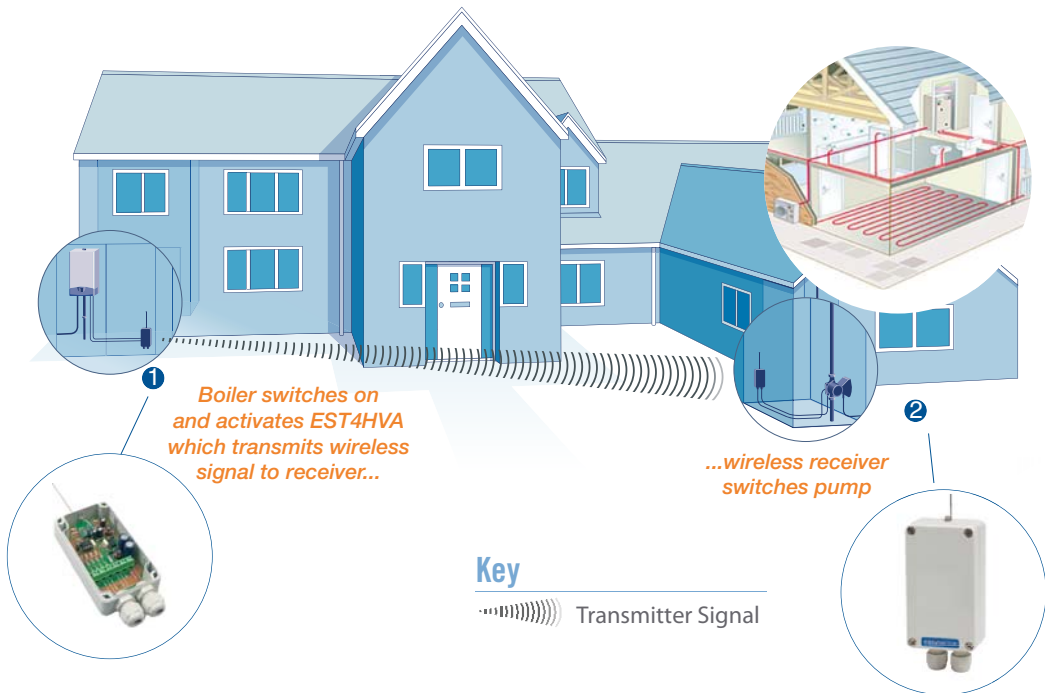
Key

..... Transmitter Signal

The **EST1 Wall Switch Transmitter** ❶ allows you to position a switch virtually anywhere within your home or premises. It is battery powered and wireless so requires no expensive or intrusive cabling works to be carried out and fits behind most conventional light switch plates. It works in conjunction with either the **ESR1 or ESR4 Receiver** ❷ to control garden lighting or pond features. The **Key Fob** ❸ also acts as a transmitter to the receiver.

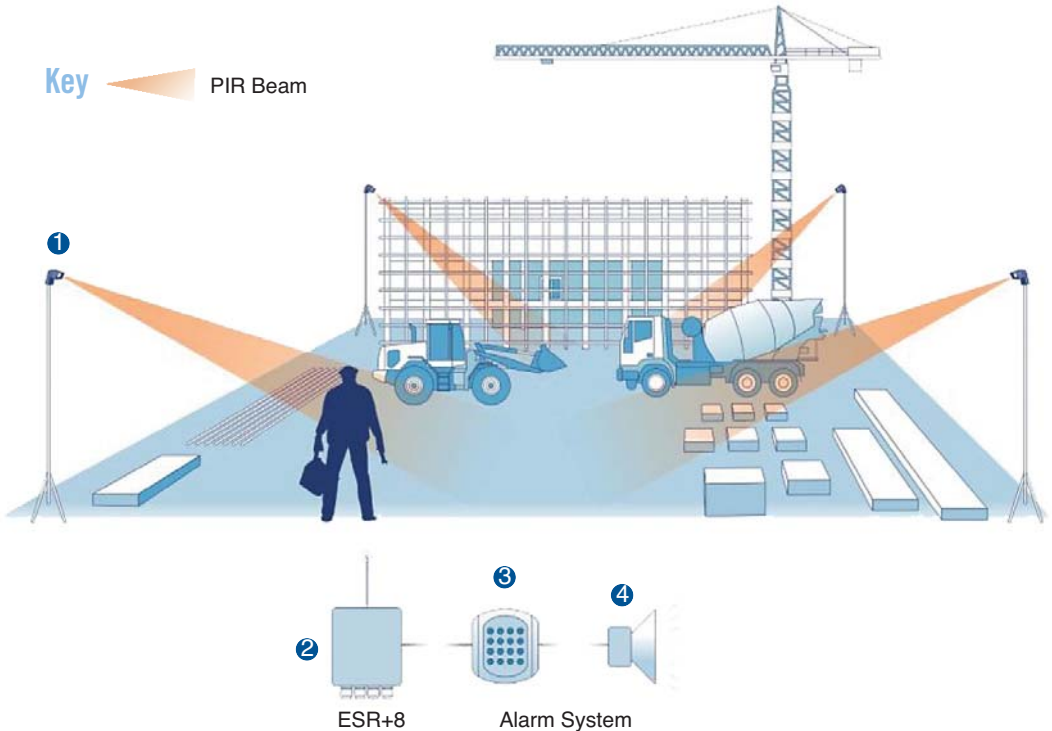


Wirelessly Control Pumps and Under Floor Heating



Especially designed for retro fit control of HVAC systems, the **EST4HVAC Transmitter** ① sends a signal to the **ESR1 Receiver** ② to switch a pump to control underfloor heating or a boiler system. The transmitter and receiver can be sited up to 100 metres from each other with no costly cabling involved. The EST4HVAC can accept up to 4 inputs so will also work with the ESR4 Receiver to control up to 4 devices which can include lighting and water pumps.

Easyswitch Detectors working with the new 16 Zone Receiver



Up to 16 stand alone [PIR Detectors](#) ① can be used with the [ESR8+8Receiver](#) ② to provide cost effective protection for a construction site. The detectors will sense the movement of the intruder and wirelessly transmit that information to the receiver. This receiver has volt free contacts and in turn can be connected to any third party [alarm panel](#) or [DVR/NVR](#) ③ which operate [sounders](#), [security lighting](#) or [CCTV](#) ④ The receiver can be sited up to 200 metres away from the detectors.



EasySwitch Transmitters



ESD.1 Wireless PIR Detector. 15 metre x 90 degrees

Powered by one PP3 9 volt battery, this PIR detector will remotely operate lighting and audible warning when used with the appropriate receiver. Lighting control receivers will only operate between dawn and dusk whereas the ESB bleeper can operate during the day only or night only or day and night.

Operating temperature: -10°C to +60°C

ESD.2 Wireless PIR Detector. 40 metre x 90 degrees

As ESD.1 but with 40m x 90° detection pattern.

ESD.3 Wireless PIR Detector. Horizontal Curtain type

As ESD.1 but with Horizontal curtain type detection pattern.

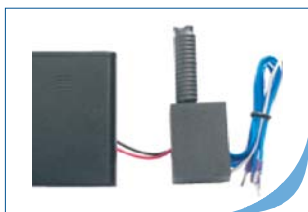
Dimensions: L140 x W90 x D150mm



ESF.1 & 4 Wireless Key Fob Transmitter

The EasySwitch key fob is available as a single, and quad button version. These key fobs operate the following receivers. ESR.1, and ESR.4. They may be used individually or in conjunction with EST.1 wall switch transmitters and ESD PIR detectors.

Operating temperature: -10°C to +60°C Dimensions: L70 x W43 x D1.5mm



EST.1 Wall Switching Transmitter

Fitting an EasySwitch EST.1 transmitter module to any make or style of switch plate from single to four gang transforms it into a fully conventional looking wireless wall switch. The switch can be surface or flush mounted almost anywhere without running a single cable.

Operating temperature: -10°C to +60°C



EST4HVAC Wireless Transmitter for HVAC Applications

Specially designed for retro control of HVAC systems the EST4HC is the ideal wireless solution where mains cabling is difficult or impractical. It is mains voltage powered and designed so that it can easily interface to various control devices that have mains signal outputs. With four inputs this product is designed to work with the EasySwitch single (ESR.1) or four circuit (ESR.4) receivers to allow remote control of up to four electrical circuits within a building or from one building to another.

Dimensions: L114 x W65 x D40mm Operating temperature: -10°C to +60°C



PP3 Lithium PP3 9 Volt Battery

This Lithium PP3 9 volt battery has more than twice the power and life of an alkaline battery and cuts down on service and maintenance calls

EasySwitch Receivers



ESR.1 240 Volt On/Off Receiver

The ON/OFF EasySwitch receiver is designed for outdoor use and is weather proof to IP66. With up to 1KW switch capacity, they can operate a variety of devices such as electric motors, gates and doors, garden lighting, water features and much more. Volt free relay contacts provide the means of switching which makes it very versatile.

Dimensions: L114 x W65 x D40mm Operating temperature: -10°C to +60°C

ESR.2 12 Volt On/Off Receiver

The ESR.2 ON/OFF EasySwitch receiver is similar to the ESR.1 but is powered by 12 volt DC.



ESR.4 Four Channel Receiver

The ESR.4 EasySwitch receiver is designed for outdoor use and is weather proof to IP66. With four relays capable of switching 1KW switch capacity per relay, they can operate a variety of devices such as electric motors, gates and doors, garden lighting, water features and much more.

Dimensions: L190 x W140 x D90mm Operating temperature: -10°C to +60°C



ESR4X4 Four Channel Receiver

Combination kit comprising of an ESR.4 and ESF.4. This is a cost effective way to buy these two products.

Dimensions: L190 x W140 x D90mm Operating temperature: -10°C to +60°C



ESB.1 Mains Operated Plug-in Bleeper

This useful bleeper gives an audible bleep each time it receives a valid signal from an EasySwitch PIR detector or Key Fob. The ESB is powered from the mains socket into which it is plugged.

Operating temperature: -10°C to +60°C



ESR8+8 16 Way Receiver with Relays

This new addition to the Easyswitch range has been designed for CCTV and Alarm systems that require up to 16 or more wireless PIR detectors to be received to one central position. This is a high gain receiver which, when used with an AE434 external antenna, extends the wireless range of PIR detectors to up to 1Km line of sight.

Operating temperature: -10°C to +60°C Dimensions: L170 x W120x D55mm

EASYSWITCH WIRELESS APPLICATIONS

PIR TRIGGER SECURITY LIGHTING OR A CCTV SYSTEM

EASILY OVERCOME DIFFICULT WIRING SITUATIONS

CONTROL GARDEN LIGHTING OR FEATURES

FIT NEW LIGHT SWITCHES WITHOUT CABLES

CONTROL HVAC DEVICES

OPERATE GATES FOR A DRIVEWAY OR COMMERCIAL SITE

OPERATE GARAGE DOORS OR ROLLER SHUTTERS

SOLVE WIRING OVERSIGHTS QUICKLY AND EASILY

TRIGGER AN AUDIBLE ALERT TO VISITORS OR INTRUDERS

REMOTELY CONTROL LIGHTING WITH A KEY FOB



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