

Active Infra-red Perimeter Protection

Wireless solar-powered active infra-red beams and receivers

This system is designed to provide instant protection against the spiralling scourge of rural theft without the hassle and expense of running cables. It is based around a series of wireless active infra-red beams, which signal back to the farmhouse immediately an intrusion is detected.

Using the system, selected vulnerable areas can be protected by an invisible infra-red cordon. Any intrusion through this cordon will trigger an alarm in the house. This alarm will alert you to the intrusion, providing instant indication of the location.

Where remote monitoring is needed, we have a receiver with a built-in telephone dialler and another with a built-in GSM dialler, which will immediately alert you or a neighbour in the event of an intrusion. Up to six numbers can be called in sequence. A high-power siren and / or lighting may also be installed, to act as a very effective deterrent.

As the sensors are wireless, absolutely no preparatory groundwork is required, and the sensors can be installed in a matter of minutes. If the need arises, it's a simple matter to relocate sensors to provide protection just where you need it. It really is that easy... and because there are no cables to run, it works out extremely cost-effective.

An extremely high degree of immunity to false alarm is provided by the sophisticated dual-beam sensors. We have a variety of beam-lengths up to 200m, allowing long stretches of vulnerable perimeter to be protected. We also have a wide range of accessories, and sensors to monitor vulnerable doors, internal areas and to detect fire, mains-failure, machinery shutdown etc. Please call us to discuss your requirements.

Solar-powered active infra-red beam sets:



Each beam comprises a transmitter and a receiver. One unit goes at each end of the beam, and a built-in radio transmitter will relay the alarm to a receiver / control unit up to a kilometre away the instant the beams are broken.

An extremely high degree of immunity to false alarm is provided by the sophisticated dual-beams, which must both be broken simultaneously to cause an alarm.

Prices as follows:

20m beam set - £149
40m beam set - £169
60m beam set - £189
100m beam set - £219
200m beam set - £349



Remote Solar Panel - £25

If either of the beam sensors is to be located in a permanently shaded location, you can connect a little remote solar panel to ensure its battery remains topped up. Measures approx 3" x 2".



Single-channel receiver: - £65

The simplest of the receivers available on this system. Comes with a clean relay contact, which is activated when the beam is broken. The receiver connects to the mains with the power adaptor provided. The relay output can be used to power an external siren or a security lighting controller.



Six-channel receiver / buzzer: - £95

The ideal receiver for use a Gateway Alarm. Comes with a built-in buzzer and a clean relay contact, both of which are activated when the beam is broken. The receiver connects to the mains with the power adaptor provided. The relay output can be used to power an external siren or a security lighting controller. Up to six beam-sets can be used with the receiver, and visual indication is provided of which beam has been triggered.



Eight-channel receiver: - £125

This receiver is a building block designed to incorporate the external beams into an existing alarm system or CCTV set-up. It provides a clean relay contact for each of the eight channels. The receiver connects to the mains with the power adaptor provided, or it can derive its 12V power supply from whatever alarm or CCTV system it is connected to. Up to eight beam-sets can be used with the receiver, and visual indication is provided of which beam has been triggered.



Eight-channel receiver / dialler: - £120

This receiver features a built-in landline telephone dialler, which will call up to six numbers when the system is triggered. It comes with a mains adaptor and is armed and disarmed with a remote control keyfob, from up to a kilometre away. Up to eight beam-sets can be used with the receiver, and visual indication is provided of which beam has been triggered.



99-channel receiver / GSM dialler: - £199

This receiver features a built-in GSM telephone dialler, which will call and text up to ten numbers when triggered. It uses a sim card (Vodafone sim provided as standard, but can be used on any network) and will perform text messages and / or voice calls to provide instant remote monitoring. No landline is required, and the receiver can be powered by a 12V battery if no mains supply is available. It comes with a mains adaptor and is armed and disarmed with a remote control keyfob, by text message or on a programmable schedule. Up to 99 beam-sets can be used with the receiver, and zone-identification is provided. It also has a built-in PTSN dialler for unbeatable dual-network monitoring. (Phone not provided)



Complete system with landline dialler: - £229

With a beam-length of 20m, this is ideal for gateways and driveways, and the fact that it has a built-in auto-dialler makes it an incredibly economical way of setting up a remote monitoring system for your property. When it's triggered, the sensor will send a signal to the receiver in the house up to a kilometre away. This receiver has a built-in dialler that will call up to six numbers. It can also be used to switch on external lighting and sound a siren. Up to eight beam sets can be used on the system. It is armed and disarmed with the keyfob provided. All-in-all, a very useful piece of kit at a fabulous price.



Active Solar Dual-Beam Gateway Alarm: - £199

Our entry-level wireless Gateway Alarm. With a beam-length of 20m, this is ideal for gateways and driveways. When it's triggered, the sensor will send a signal to the receiver in the house up to a kilometre away. It can also be used to switch on external lighting and sound a siren. It includes a single-channel receiver with a built-in buzzer and a relay output. It will accommodate just one set of beams. If system expansion is a requirement either now or in the future, you can upgrade to our six-channel receiver (see previous page) for an additional £30 (nett). All-in-all, a very useful piece of kit at a fabulous price.



Single-beam system with GSM dialler: - £299

A 20m dual beam combined with our state-of-the-art 99-channel receiver / GSM dialler to provide perimeter protection and remote monitoring where no landline is available. It will send text messages and / or voice calls to up to six telephone numbers when triggered. Perfect for remote applications and construction sites. The control unit has 99 wireless and four hardwired zones. In addition to the GSM dialler, it includes a landline dialler, for applications where a landline is available. It is armed and disarmed with a remote keyfob (supplied), by text message or on a programmable schedule.



Mains charger for beamsets: - £12

Occasionally, when a beam sensor has been in shade for an extended period, or left switched on when in storage, the battery can require a bit of a boost. The best way to restore it to peak condition is to hook it up to this little mains-powered charger for a few hours. If the sensor is in the middle of nowhere, with no access to mains power, it will need to be taken down and brought back to base. The charger comes complete with the plug necessary for direct connection to a socket inside the sensor.

Note: Although the packaged systems above have been quoted with specific beam lengths, these can be tailored to suit your requirements, using our range of active infra-red beams from 20m to 200m. Just give us a call, describe your requirements and we'll put a system together for you.