

BeamAlert™ Active Infra Red Beam Alarm is designed to support existing security arrangements in Stately Homes, Museums and Exhibitions. It allows you to set up simply an invisible barrier upto 20m wide, which if broken will alert your staff. It is simple to connect and install, no maintenance and can alarm with a local sounder or link into a wire free system.

- [Typical applications](#)
- [Pack Contents, Specification & Price](#)
- [User Instructions](#)
- [Hints and tips](#)

Typical Applications of BeamAlert™ Alarms

- Protection of rooms on display (Bedrooms, Dining rooms etc) in a stately home
- To add an extra layer of security to a room with exhibits (even when protected by rope barriers)
- Object protection e.g. table displays, model railway...
- To improve the security of a small museum where many exhibits need extra protection in a single room

Product Specification

Pack Contents:

Standard BeamAlert™ Alarm: transmitter unit, receiver unit and Velcro to fix to wall.

Function & Features:

Double beam system responds when the beam is broken by a person or object.

- Adjustable transmitter power to enable beams of 1m upto 20m (indoor use only).
- Easy to set up, can be self installed.
- Invisible, double Infra Red beam. The double beam eliminates reflection worries.
- Anti-sun circuitry.
- Receiver and Transmitter powered off 12v supply
- Local relay to connect to local buzzer, CCTV, or wire free object protection system e.g. GalleryMaster™ System
- Tamper switch and simple diagnostics.
- Internal use only, small casing can be painted..



Power: Each unit requires 12v d.c.

Size: 11.2cm(4.5")*5.4cm(2.2")*2.4cm(1")

Colour: White

Loudness: 80 dB upto 110 dB depending on buzzer requirement when ordering

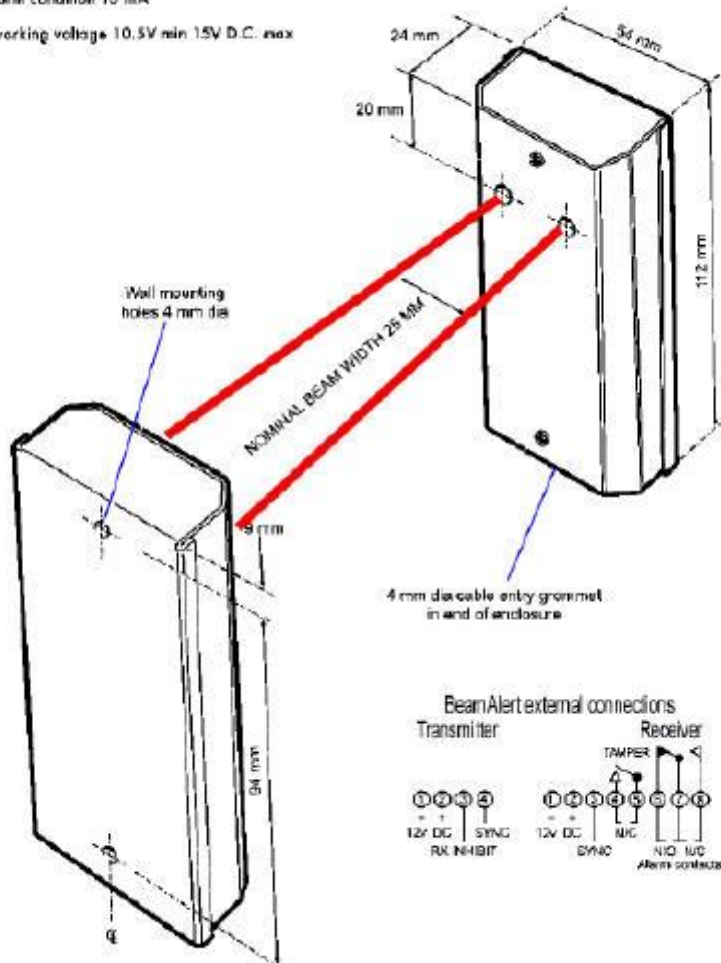
Price: Standard BeamAlert™ Alarm Pair (Transmitter & Receiver only - no power supplies and no sounder) £115.00 + VAT,

NEW: Outdoor BeamAlert™ now available

User Instructions

Installation: Attach Velcro to the back of each unit. Connect the 12v power supply to each unit. Do not connect yet the buzzer circuit (if purchased). Do this at the end of installation using the NO contacts (6 & 7) of the receiver's relay and use the receiver's power supply to drive the buzzer.

- TX current 25 mA
- RX current quiescent 25 mA
- RX current in alarm condition 15 mA
- Nominal 12V, working voltage 10.5V min 15V D.C. max



If you wish to paint the cases do it now while they are off the unit so you do not get paint on the led's.

With the cases off, attach the transmitter unit to the wall facing the wall the receiver will be on (so the infra red beam will go straight into the receiver's led's. Attach the receiver unit to the opposite wall at the same height as the transmitter. Ensure that it is pointing at the transmitter. The system will allow you a little tolerance in the positioning generally $\pm 2\text{cm}$ for every metre spacing between them.

Measure the distance between the transmitter and receiver units. If it is 4m or more then put the red range switch onto Hi. Use the blue potentiometer to adjust the power such that if it is 15m turn it fully clockwise (as also 3m on Lo setting).

Turn on the power to the transmitter. No lights will shine. Turn on the power to the receiver. No lights will shine. You should here the click of the relay as it closes. If the led on the receiver is shining it isn't receiving the beam. Turn the power up more blue potentiometer and if that fails reposition the appropriate unit. Once the led has gone out. Test by breaking the beam at different distances along the path.

Finally when you are satisfied. Disconnect the power, connect the buzzer (or wire free system) to the receiver relay. Put both cases on. Reconnect the power. Your system is now functional.

We recommend you test it once a month and if you have rearranged any of the display (might cause a reflection)

Hints and Tips

- This system integrates fully with Euronova's wire-free systems GalleryMaster™ and GalleryMonitor™.
- Take time getting the power setting correct (red switch and blue potentiometer on the transmitter). The correct setting will ensure no false alarms, nor reflections and will ensure smaller objects trigger it e.g. a child's hand.