

One of Euronova's anti touch products which enables you to create a "screen" or curtain in front of an object, display or room which will respond if human presence crosses the screen you have set up. Unlike an active ir beam it can easily be configured to protect awkward shapes or routes. A number of BarrierPIRs would typically be mounted on the ceiling or floor or within the plinth as the second layer of security\* behind a white line, rope barrier, raised level or some other form of demarcation. Typically it sounds a buzzer which is normally enough to persuade the visitor to step back or withdraw their arm. The buzzer will then silence. The swivel head enables easy and accurate adjustment and focussing.

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## Typical Applications of BarrierPIR

- to protect a wall of (unglazed) paintings. Typically five units mounted every 3m along the ceiling approximately 1m out from the wall and slightly pointing back in.
- to protect an object on a plinth (see examples below).
- to protect a large exhibit where damage by touching is identified as the major risk.
- to protect unusual objects like tapestries.
- to protect a room or four poster bed in an historic or stately home.



If you look carefully you can see this exhibit is protected by 2 x BarrierPIRs mounted on the floor.



The base of this clock has 8 x BarrierPIRs inserted below the slots in the black plinth. This provides 360deg protection to this historic object.

## Product Specification

Detection range: hand 3m, body 6m  
Angle of "x y plane fan": 90 deg to 10 deg  
(10deg in z axis)  
Power: 12- 28vdc, 50mA  
(if buzzer fitted then only 12vdc)  
Internal relay: SPDT, 1A at 30vdc  
Timer (relay / buzzer): 0.5 to 60 seconds  
(adjustable by jumper settings)  
Indicator light: red and green led



Two BarrierPIRs (painted black) providing protection for a 90deg angle.

## User Instructions

Refer to specification sheet (download via website)

## Hints and Tips

- Ensure the end of line BarrierPIR has the fan closed off on one side otherwise people walking by will set it off.
- When planning an installation remember that IR can reflect off surfaces like glass or plastics. Such a reflection could cause a false alarm.
- Normally these units are not connected to a radio transmitter as the buzzer is often enough to prevent further risk but if the risk assessment requires then a transmitter is possible as is using two units in tandem thus providing warning and the nearer one an alarm.
- The current consumption precludes battery power except for very short periods.