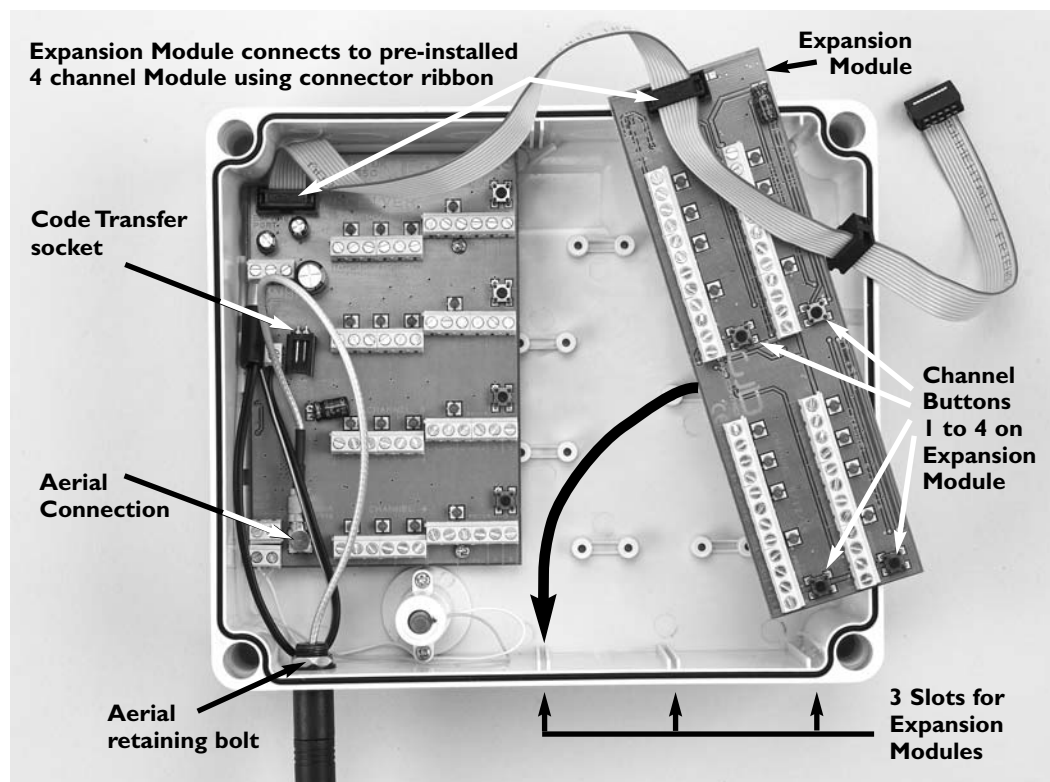
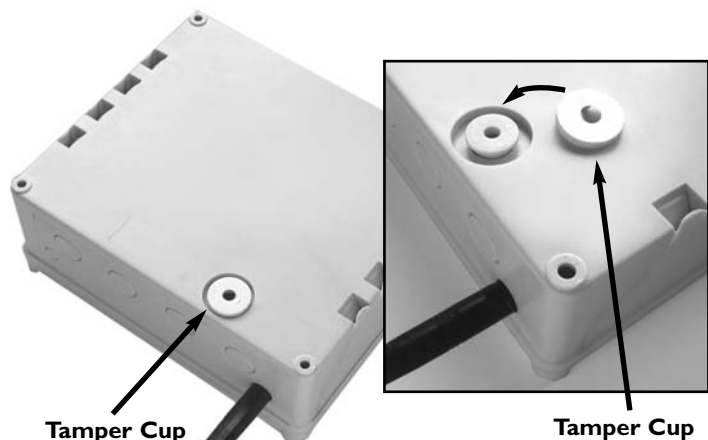


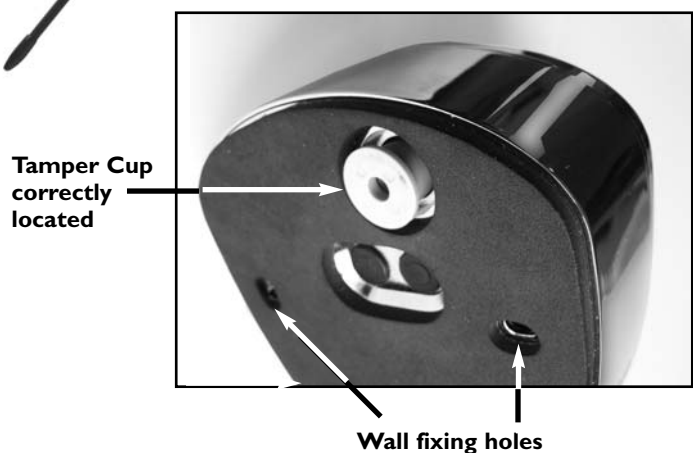
**DIAGRAM 1**



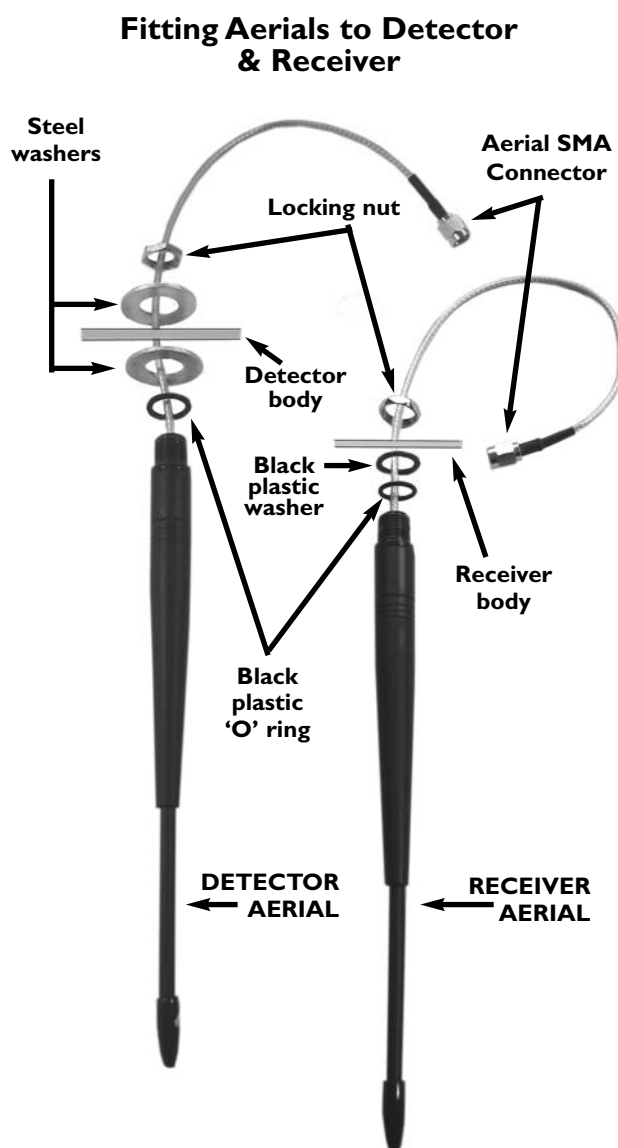
**DIAGRAM 6 - Installing Expansion Module**



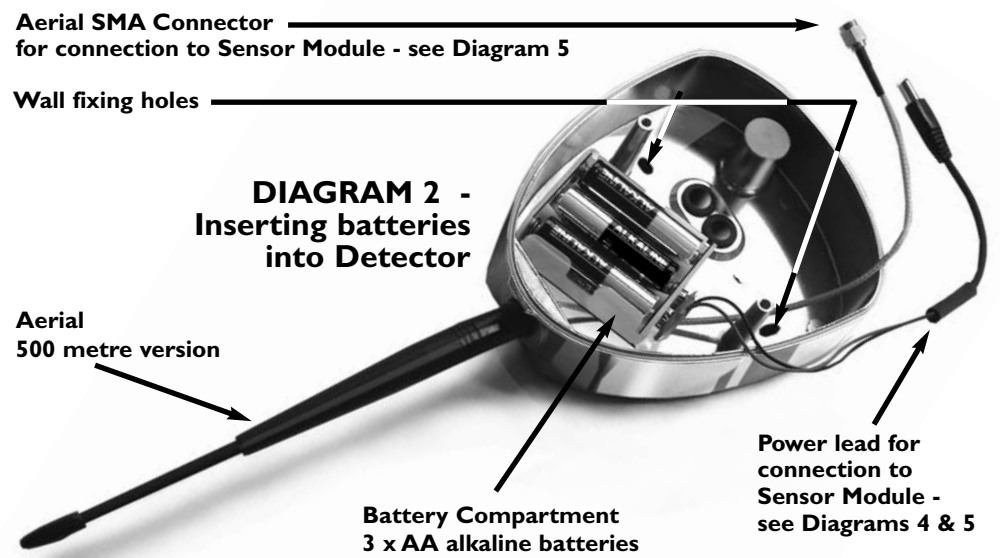
**DIAGRAM 7 - Screw Receiver to wall ensuring Tamper Cup is correctly located**



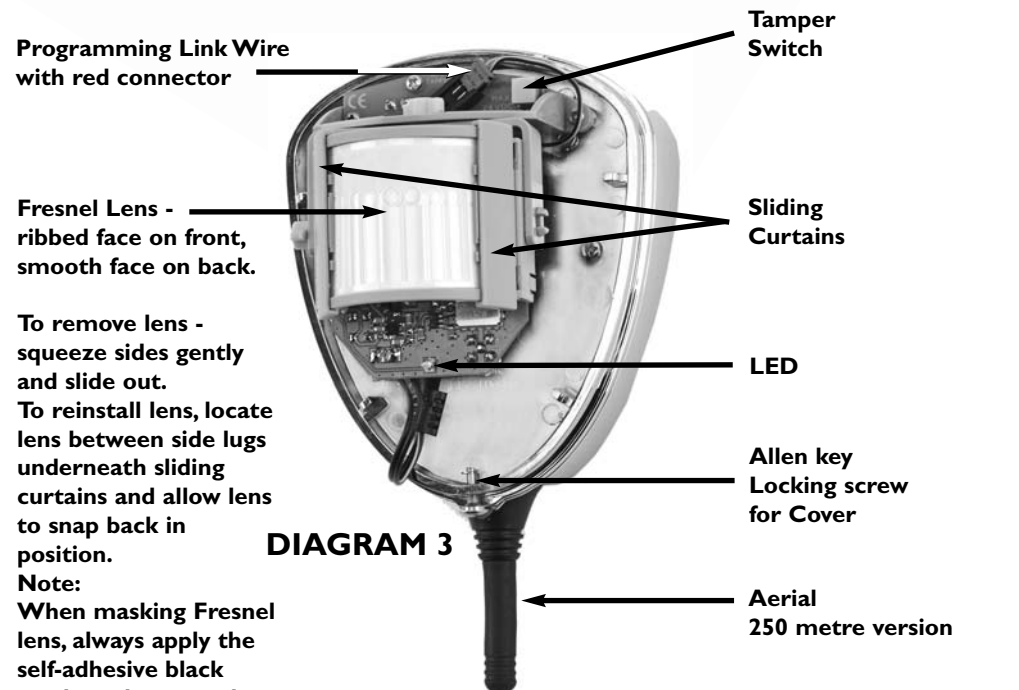
**DIAGRAM 8 - Screw Detector to wall ensuring Tamper Cup is correctly located**



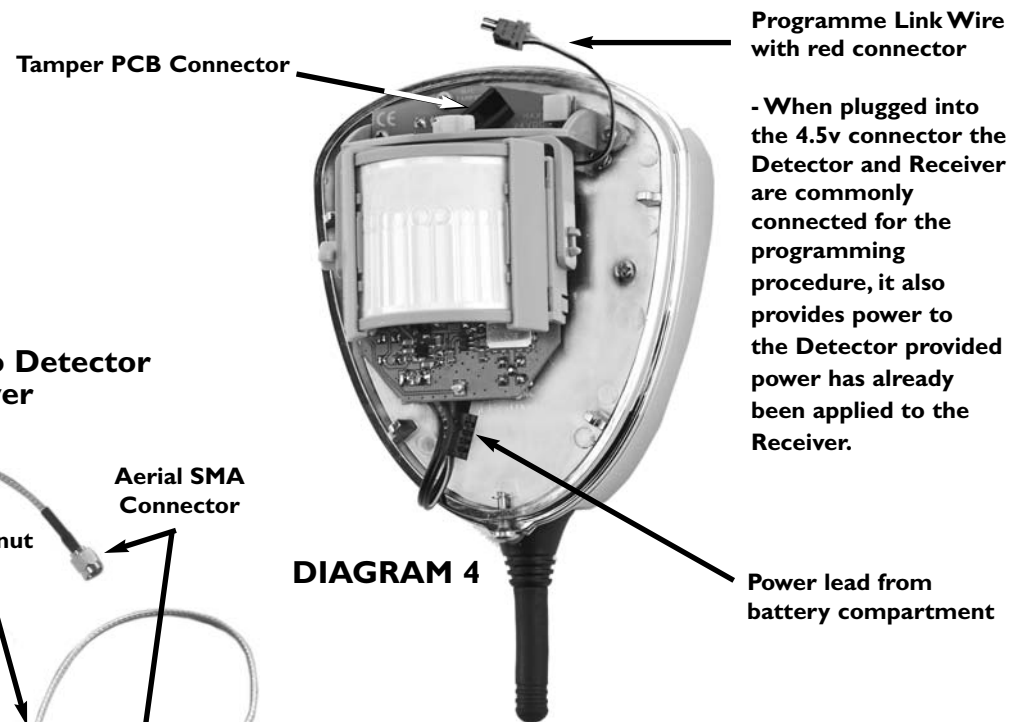
**Fitting Aerials to Detector & Receiver**



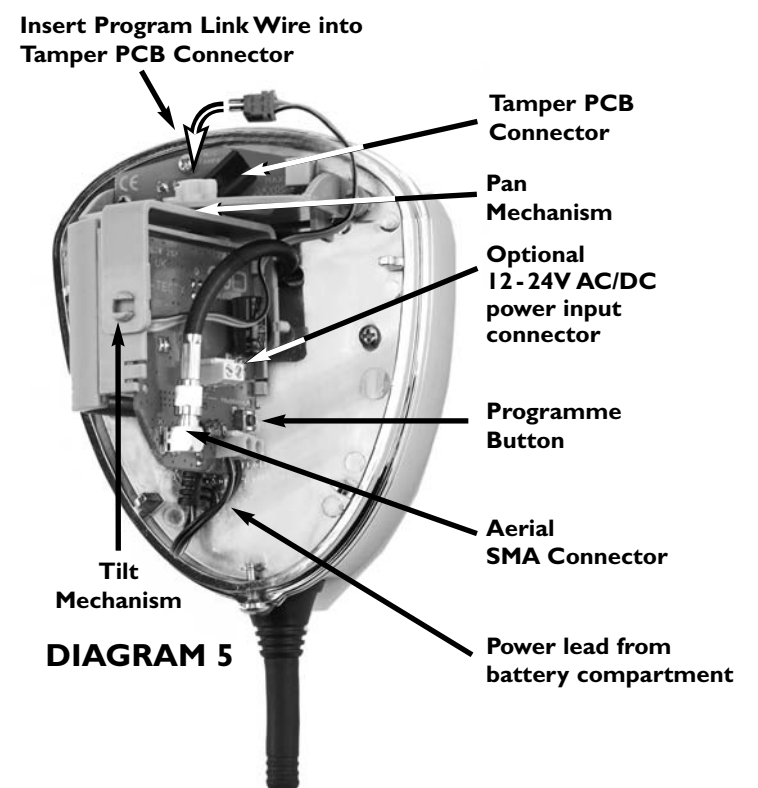
**DIAGRAM 2 - Inserting batteries into Detector**



**DIAGRAM 3**



**DIAGRAM 4**



**DIAGRAM 5**

## SPECIFICATIONS - D-TECT<sup>X</sup> DETECTOR

GJD 390 ( 250 METRES )	GJD 391 ( 500 METRES )
Transmission Range	250 or 500 metres ( line of sight )
Wireless communication	868 MHz.
Transmission Codes	16,700,000
Beam Range Programmable	Up to 30m
Coverage	10 <sup>0</sup> - 70 <sup>0</sup> detection angle, 30m x 30m max
Adjustment	180 <sup>0</sup> pan + 90 <sup>0</sup> tilt Area reduction mask (if required)
Mounting Height Variable	Variable - optimum 3m
Fresnel Lens	28 zones for each Pyro pair, which can be masked with the curtain sliders and special masking tape (supplied)
Customised Optics	Double silicon shielded quad element eliminates 50,000 lux of white light
Power input	3 x AA alkaline batteries or 12 - 24V AC/DC.
Current	<100 uA (battery) 6mA (power supply).
Pulse Count	1 - 3
Walk Test	Output test mode using Walk Test Signal Strength Detector
Operating Temp.	-20°C to + 55°C Conformally coated electronics for increased stability
Temp. Compensation	Digital sensitivity adjustment
Adjustable timer options	2 to 60 seconds
Adjustable light sensing	Dusk (2 Lux) to 24 hour
Housing	High impact plated zinc alloy
Protection Rating	Minimum IP 55
Dimensions	145h x 145w x 120d mm ( excluding aerial )
Weight	1310 grams NET, 1400 grams GROSS.
CE Approval	EMC & R&TTE

## SPECIFICATIONS - D-TECT<sup>X</sup> RECEIVER

MASTER 4 CHANNEL RECEIVER	GJD 392
Communication Range	250 or 500 metres ( line of sight )
Transmission Codes	16,700,000
Power input	12 - 24V AC/DC 40 - 120 mA
Indicators	1 x LED on detection 1 x LED Tamper 1 x LED RF loss 1 x LED Low battery indication
Operating Temp.	-20°C to + 55°C Conformally coated electronics for increased stability
Connections	1 x programming socket for detectors Expansion socket for connection to additional modules
Capacity	4 detector module fitted as standard 3 slots for additional expansion modules ( total 16 detectors )

## RECEIVER 4 CHANNEL EXPANSION MODULE GJD 393

The Receiver has 3 slots in the housing to except up to 3 additional, 4 channel expansion modules

### RECEIVER HOUSING

Case	High impact, flame retardant, UV stabilised Polycarbonate
Protection Rating	Minimum IP 55
Dimensions	210w x 180h x 75d mm
Weight	685g NET, 720g GROSS

### ACCESSORIES

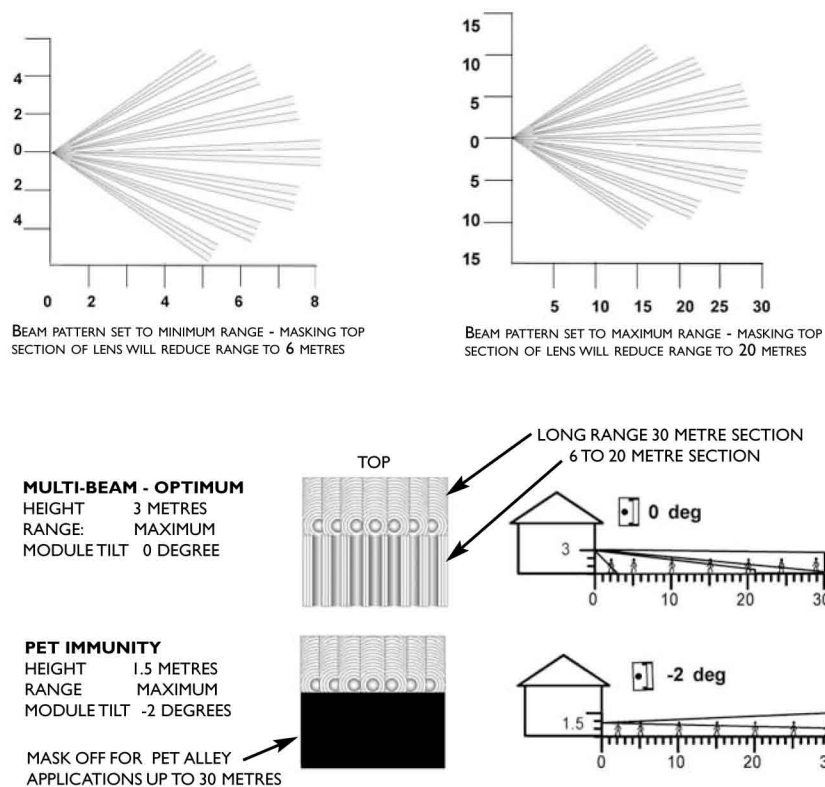
GJD 305 - Pole mount clamp

GJD 393 - 4 Channel Expansion Module

GJD 394 - Walk test and signal strength indicator



## BEAM COVERAGE



When mounted at heights above 3 metres there could be a significant reduction in the range of detection and the target will have to move a greater distance within the field of view before an alarm is generated.

## MULTI-BEAM ALIGNMENT & MASKING

The GJD multifunction lens fitted to the D-TECT<sup>X</sup> detector produces 7 long range beams and 7 medium to short range curtain beams. Movement across the beams produces the best response and range, whilst movement towards the detector will be less responsive. The unit detects the changes in heat and movement in the beam pattern, therefore objects such as trees, shrubs, ponds, boiler flues and animals should be considered when positioning the detector.

**NOTE:** It is important that the front protective cover is fitted to the detector before beam pattern alignment or output testing is undertaken as the range of the detector increases without this cover and therefore settings will be incorrect.

1) The detector module's lens is fitted with two sliding shutters to reduce the detection angle as required ( see Diagram 3 ). An additional set of sliding shutters is provided if the beam pattern needs to be narrowed even further e.g. should the minimum detection angle of 10 degrees be required.

2) When mounting the D-TECT<sup>X</sup> detector higher than a boundary fence, rotate the module and mask off any beams, either vertically or horizontally, that fall outside the required detection area required to prevent problems such as boundary overspill.

Use portions of the self-adhesive clear mask supplied and apply these to the rear, smooth side of the lens, refer to Diagram 3.

Always replace the lens the correct way up to ensure the correct beam pattern coverage (the top of the Fresnel lens is marked - TOP - see Beam Coverage Diagrams).

## SOME DOS AND DON'TS ABOUT MOUNTING AND POSITIONING A DETECTOR

Use the pan and tilt facility to accurately target the detection zone, and adjust the range of the detector to cover the required area.

- When mounting the detector higher than boundary fences mask off any side beams that fall outside of the required detection area.
- Ensure that no obstacles, such as walls, fences, structures, shrubs or large trees obstruct the beam pattern view, thereby creating blind spots.
- As the unit detects a change in heat in its field of view, avoid direct sunshine, ponds and central heating boiler flues.
- Animals should be considered when sighting the detector so it is advisable to mask the beams or mount the detector high enough to eliminate this potential problem.
- Floodlights also emit haze ripple therefore when installing floodlights to provide movement activated lighting, position the floodlights to the side or above the detector.
- A minimum of 60cm ( 2 feet ) is recommended to ensure the detector is not affected by the direct radiated heat from the floodlight.