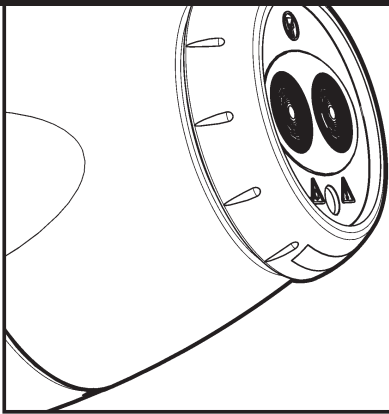


Important Notice:

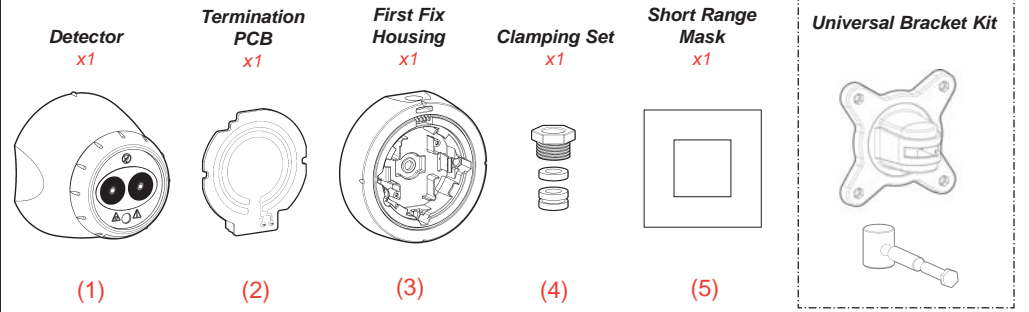
This document provides a guide for the installation of 'Wide Area Smoke Detection' products employing Near Field Infrared (IR) Beam technology.

It provides information to assist the Installer in optimising performance of the system.

In all cases this document must only be used as a guide. The overriding standards and/or legislation in effect at the time of installation, must be adhered to and take precedence over any statements made, or implied by this document. We accept no responsibility for any installations found not to be compliant with the governing standards.

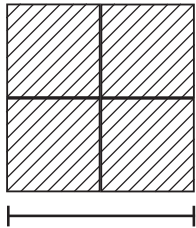


Parts Supplied.

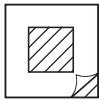


Installation Pointers.

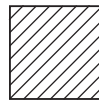
Prismatic Reflector Requirements.



50m-100m = x4

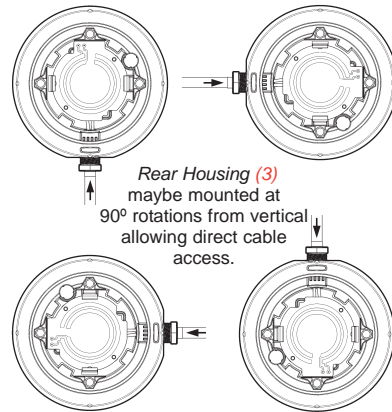


5-15m = x1
(Use Short Range Mask)



15-50m = x1

Orientation options.

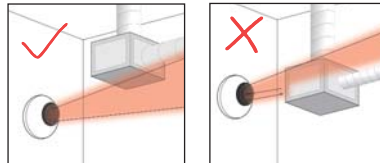


Rear Housing (3) may be mounted at 90° rotations from vertical allowing direct cable access.

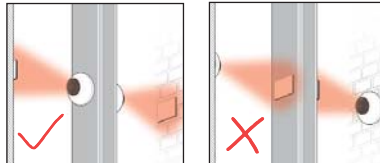
Detector Do's & Don'ts !

- Do check the beam spacing against local regulations.
- Do have a minimum distance of 0.5m from detector to ceiling.
 - Do position beam as high as possible.
- Do site detector for a clear straight path to Prismatic Reflector.
 - Do mount detector on suitable surfaces. (Structural wall or girder)
- Don't position where personnel movement is present.
- Don't position detector where obstructions enter the beam path.
 - Don't position detectors where signal paths cross.

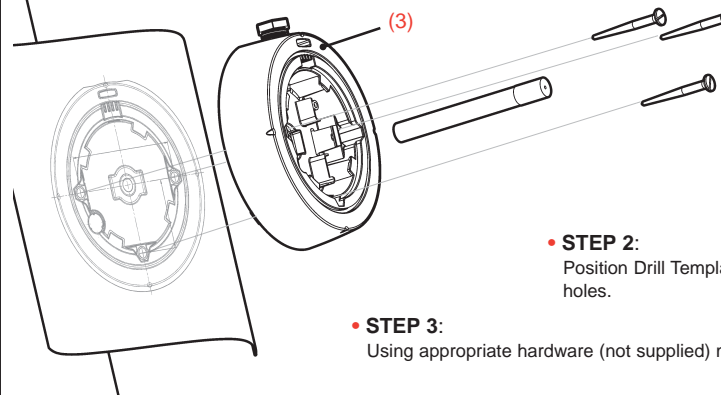
Obstructions



Cross Talk



A First Fix.



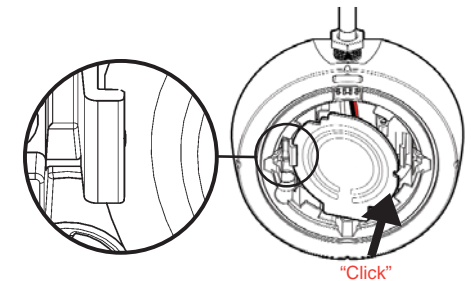
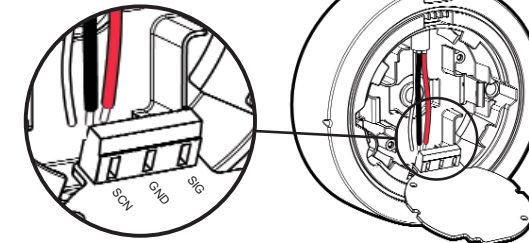
• **STEP 1:**
Site the First Fix appropriately and confirm clear line of site with laser pen (not supplied).

• **STEP 2:**
Position Drill Template as required and drill mounting holes.

• **STEP 3:**
Using appropriate hardware (not supplied) mount First Fix Housing (3) securely.

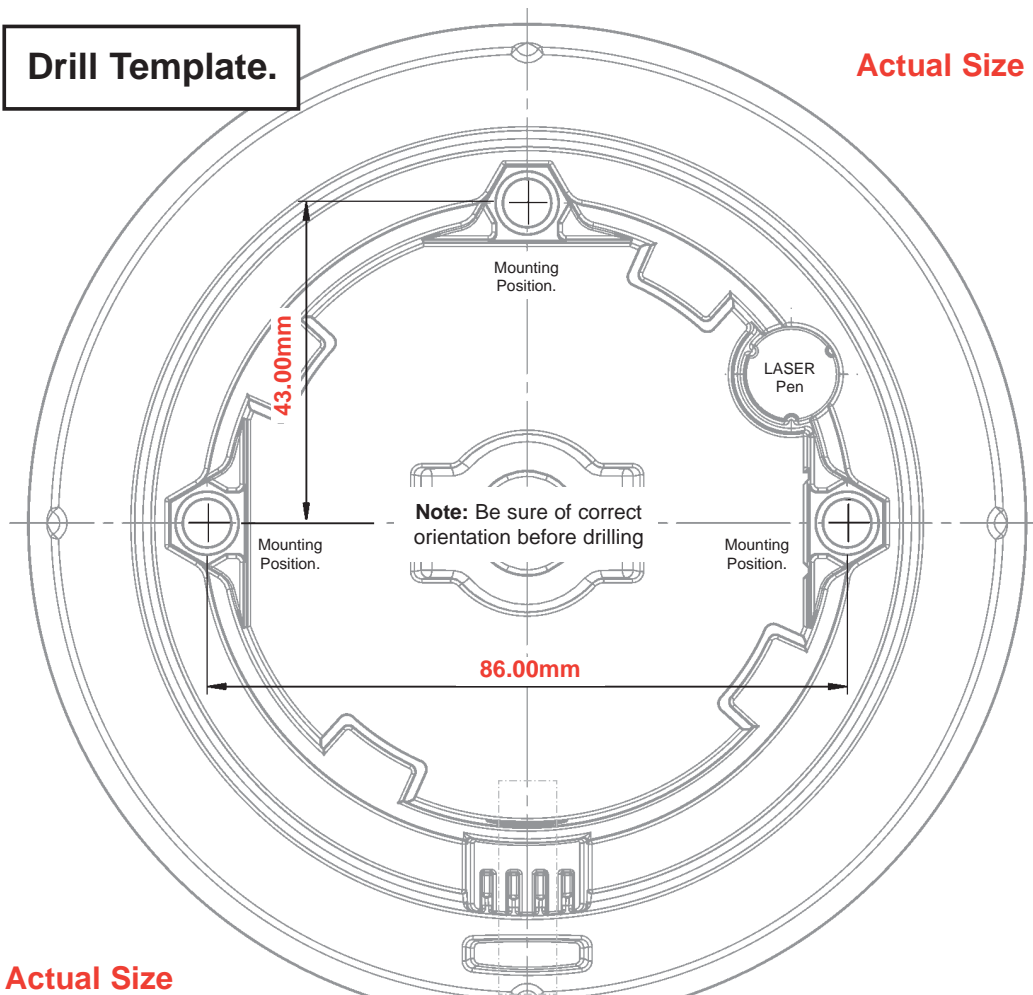
• STEP 4 WIRING PCB:

- 70mm of cable must enter Rear Housing behind PCB (2) minimum.
- Cut back approx 60mm of outer sleeve.
- Strip 5mm of cable for connections.



- **STEP 5 LOCATE PCB:**
- Locate PCB (2) under square face clip.
 - Push firmly on PCB (2) to locate under 2nd clip.

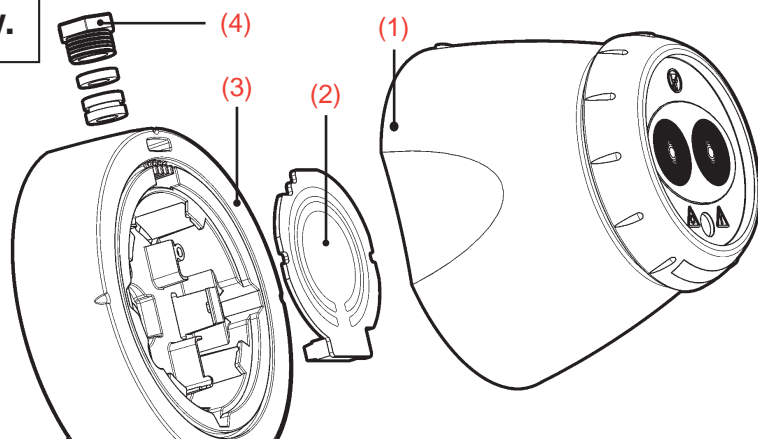
Drill Template.



Actual Size

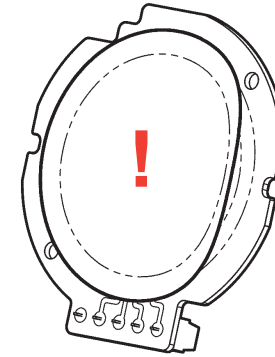
Exploded View.

NOTE:
Numbers reference Parts Supplied.

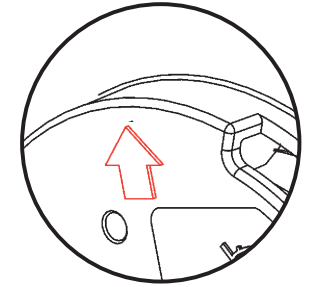


B Second Fix.

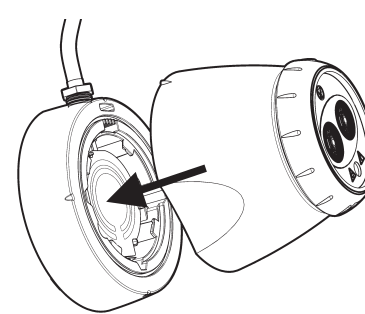
IMPORTANT NOTE:
Peel off PCB mask at the point of final fitting of detector (1).



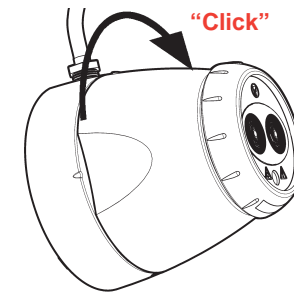
Detector rear



CHECK !
Arrow must point upwards.



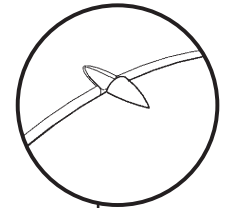
• **STEP 1:**
Locate the *Detector (1)* onto the *Rear Housing (3)*



• **STEP 2:**
Grip sides of *Detector (1)* and rotate clockwise to lock together Note:- "click" fit.

Detector Top

CHECK !
'Pip and Dip' details must align.



Key Features:

Side grips for installation and removal.

Lens window:
Keep clean during installation.

! Built in LASER:
Caution DO NOT look into LASER when power on.

LED indicator: Must face downward.

