



WindObserver Bird Deterrent Part 1390-10-135

User Fitting Guide

Doc No. 1390-0024
Issue 1



1.1 WindObserver Bird Deterrent Fitting Guide

Applies to WindObservers with Part numbers: -

1390-PK-006, WindObserver II (No Heating or Analogue output).

1390-PK-026, WindObserver II (with Analogue output).

1390-PK-007, WindObserver II (with Heating).

1390-PK-027, WindObserver (with Heating and Analogue output).

1390-PK-143, Aviation WindObserver.

1390-PK-086, Extreme Weather WindObserver.

NOTE:-This Bird Deterrent is not guaranteed to prevent birds from landing on WindObservers

1.1.1 Parts Required

Bird Deterrent	Gill Instruments Part 1390-10-135 (Pack of 4).
Adhesive	Loctite 4105 kit (Includes Loctite 4105 and Loctite 7455 activator). NOTE, use of other adhesives may impact on Bird Deterrent de-icing.
Cleaning Fluid	Isopropanol (IPA).
Lint free cloth	As required.

1.1.2 Fitting and Removal Instructions

Preparation.

Undertake the following instructions to fit Bird Deterrents.

Note: - An ambient temperature of greater than 10 deg C is recommended during fitting and temperature must not be lower than 3 deg C. An ideal temperature is 22°C below which the adhesive may take longer to cure.

Avoiding the black rubber caps, gently clean the four WindObserver stainless steel bullets with a lint free cloth impregnated with IPA cleaning fluid.

Use the cloth impregnated with IPA to clean the four Bird Deterrent inner clip-on surfaces.

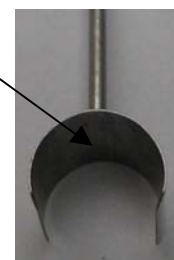
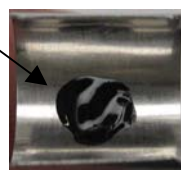
Carefully spray each WindObserver transducer arm bullet top surface (avoiding the black cap) with Loctite activator 7455. Allow to dry for 30 seconds.



Apply a small spot of Loctite 4105 adhesive to the underside of the Bird Deterrent Clip.



Bird
Deterrent



Positioning.

Position the Bird Deterrent centrally over the Transducer bullet and check for vertical alignment.

Note:- Once the clip has been pushed into position the adhesive can set instantly and it will not then be possible to re-align the Bird Deterrent.

Fitting

Gently push fit the Clip over the top of the bullet into position as per the photograph.

The Bird Deterrent should be positioned centrally along the transducer bullet.

Although not critical if the Bird Deterrent is slightly misaligned from the vertical it may be gently moved into a vertical position if required.

WARNING:- Once Bird Deterrents are fitted handle the WindObserver with care to avoid bending the Bird Deterrents and be aware that incorrect handling and storage could cause injury.

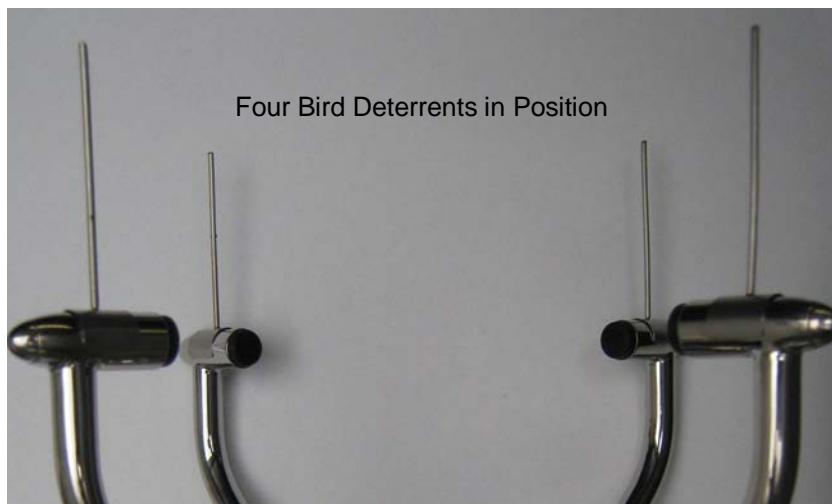
Central Alignment



Vertical Alignment



Four Bird Deterrents in Position

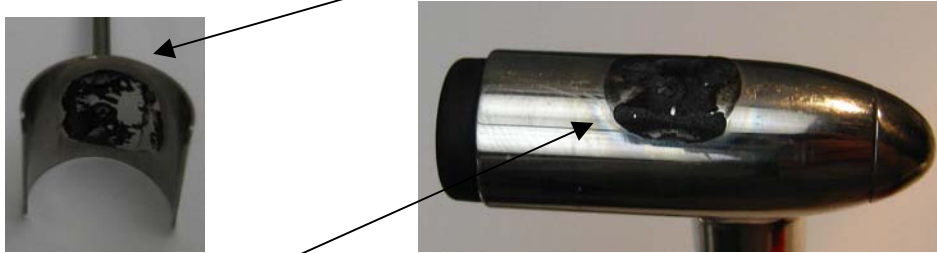


Removal/Replacement of Bird Deterrents

NOTE:- Removal of the Bird Deterrent Clip is not an easy process and great care should be undertaken not to damage the transducer bullet assembly.

If a Bird Deterrent is damaged and requires replacement then: -

1. Gently prise apart and lift up the Bird Deterrent clip seams using the thin blade of a screwdriver.
2. Remove the Bird Deterrent, example removed part shown following.



3. Some residual glue will remain on the bullet; gently scrape the residual glue off taking care not to scratch the surface outside of this area.
4. Clean the Stainless steel bullet using IPA cleaning fluid as above.
5. Fit a replacement Bird Deterrent as instructed in Para 1.1.2.

1.1.3 Transporting WindObservers with Bird Deterrents

If transporting a unit with Bird Deterrents fitted by a user ensure that the packing box is used so as to prevent the deterrents from being damaged or causing damage.

WARNING:- Handle the WindObserver with care to avoid bending the Bird Deterrents and be aware that incorrect handling and storage could cause injury.