

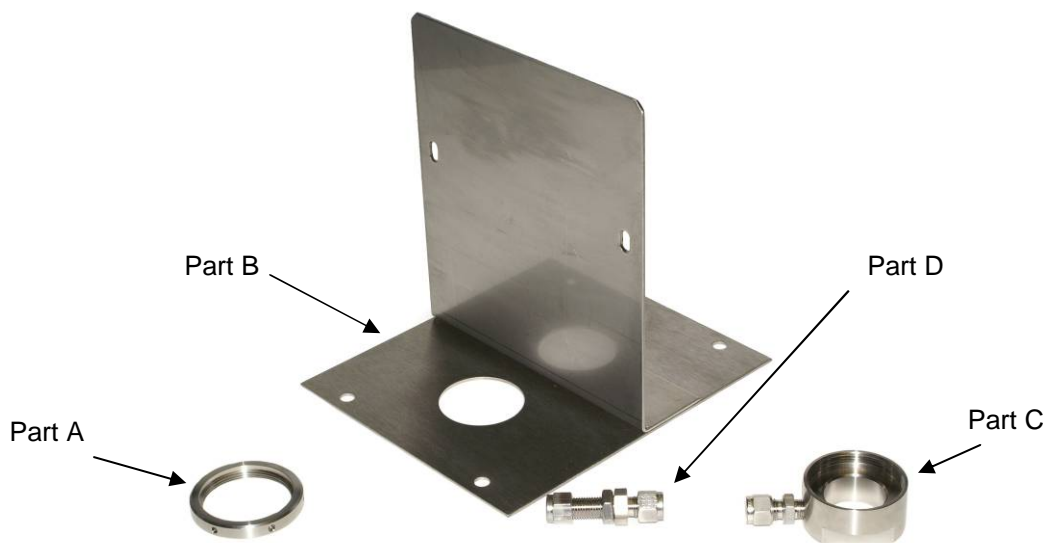
## Xgard Type 4 Duct Mounting Kit Assembly Instructions

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This manual refers to Crowcon product part number: C011056

The Duct Mounting Kit is designed to be used with Crowcon's Xgard Type 4 high temperature flammable gas detector for monitoring potentially hazardous gases within ventilation ducts. The duct kit is designed for direct fitment to the duct wall and is suitable for use in duct flows of up to 6 metres per second.

The duct mounting kit comprises components as shown below:



1. Screw part A fully onto the Xgard Type 4 sensor housing ensuring the un-threaded side of part A is oriented uppermost.
2. Pass the Xgard Type 4 sensor housing through the duct plate orifice (part B) and secure the Xgard junction box to the plate using M6 screws and nuts.
3. Screw part C securely to the Xgard Type 4 sensor housing from the under-side of the duct plate.
4. Fit the pipe fitting (part D) through the small hole in the duct plate and secure with the retaining nut.
5. Connect a short length of 6mm pipe between the pipe fitting (part D) and part C to enable test gas to be applied to the detector whilst the duct plate is in-situ.

A correctly assembled part should appear as shown on the following page.

The plate must be installed on the duct wall with the sensor protruding into the duct (see Figure C). To avoid the adverse effects of turbulence, the plate should be installed in the centre of a straight section of duct which has a length of at least six times its width.

### Testing and Commissioning

Calibrate the detector according to its instructions. Testing the operation of the ASU can be performed by introducing gas into the duct system.

**Warning:** it is essential to ensure that procedures are in place to prevent people and/or equipment being affected by any test gas introduced into the ventilation system.



Figure A: Side View



Figure B: Front View



Figure C: Bottom (Duct-Side) View



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