



TRIG WARRANTY

Trig Avionics warranty runs for a two-year period, starting from the date of installation.

This warranty covers repair and/or replacement at our option, of any parts found to be defective, provided such defects in our opinion are due to faulty material or workmanship and are not caused by tampering, abuse, or normal wear.

Our warranty service is provided FCA our location or our other associated Trig Service Centres.

Trig Avionics will not accept or pay for any charges for warranty work performed outside our factory without prior written consent.

This warranty applies only to products in normal use. It does not apply to units or circuit boards defective due to improper installation, physical damage, tampering, lightning or other electrical discharge, units with altered serial numbers, or units repaired by unauthorized persons or in violation of Trig Avionics service procedures.

Trig Avionics assumes no responsibility for any consequential losses of any nature with respect to any products or services sold, rendered, or delivered.

Out of Warranty Repairs

Trig provides product support beyond the warranty period of two years. After this period, any avionics requiring repairs should be returned to one of our Approved Trig Dealers. If a repair is necessary this will be charged at a standard rate, irrespective of the nature of the fault. Trig guarantees to repair or replace a product even if the cost of the repair exceeds our standard charge. If you wish to access our out of warranty support, then please contact your Approved Trig Dealer or Trig Support for further information.

TA12
INSTALLATION

GUIDE
02458-00 AA

Trig Avionics
Hardwareweg 3
3821 BL Amersfoort
Netherlands

Thank you for purchasing a Trig TA12 transponder antenna.

This pack contains installation information and support and warranty information.

All our avionics are thoroughly tested prior to despatch and are designed to provide years of trouble free service. To access technical support for your Trig Avionics product you should first contact your Approved Trig Dealer.

If you have any further technical questions, then please access your closest Trig Service Centre through the support section of our website.

www.trig-avionics.com/support/

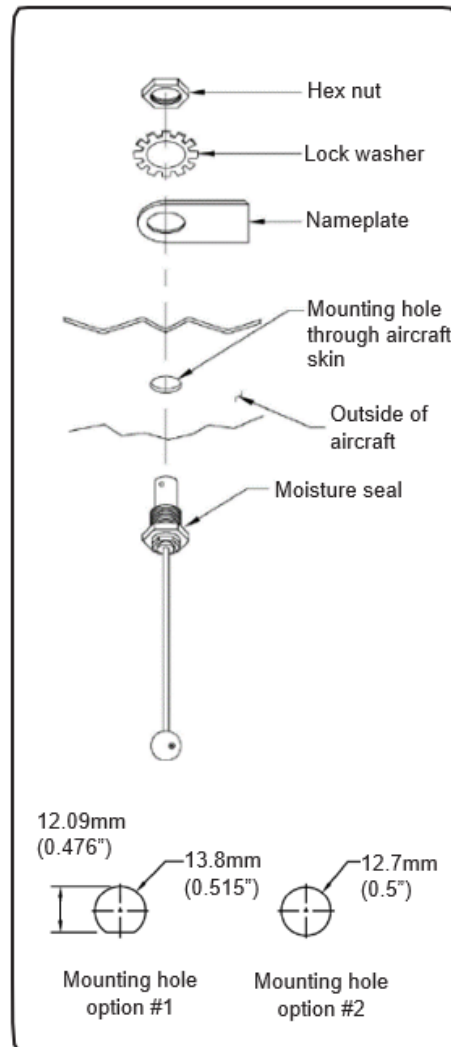
Thanks,

The Trig Team
enquiries@trig-avionics.com

INSTALLATION GUIDE

The following instructions are for fitting the antenna to a metal-skinned aircraft. If you are fitting the antenna to a composite aircraft, you must add a metallic ground plane of not less than 150 cm² (24 square inches) behind the antenna and the aircraft skin.

1. The mounting location should be on the underside of the aircraft at least 46 cm from any other metal protrusions and on as flat a surface as possible.
2. Drill a mounting hole (see options shown) through the aircraft skin at the desired location. Remove all burrs from around edge of the hole to allow proper seating of the moisture seal.
3. Disassemble the antenna, by removing the hex nut, lock washer and nameplate as show in the illustration.
4. Insert the antenna through the mounting hole from the outside of the aircraft.
5. Slide nameplate and lock washer over the BNC connector of the antenna from the inside of the aircraft. Thread the hex nut onto the BNC connector and tighten securely.
6. Connect the antenna to the transponder using a cable with a BNC type connector attached (not supplied).



SPECIFICATIONS

TA12 – Transponder Antenna – ‘rod and ball’

The TA12 is a rod style transponder antenna which uses a BNC connector, allowing for a smaller mounting hole. This general aviation antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 feet. It has a drag force of 0.41 lbs @ 250 mph.

The TA12 is certified to FAA TSO-C74c.

Frequency:	1030 – 1090 MHz
Impedance:	50 ohm nominal
VSWR:	1.3:1 maximum
Polarization:	Vertical
Pattern:	Omni-Directional
Connector:	BNC female
RF Power capacity	1 kW Peak Pulse @ 1% Duty Cycle
Max. weight	28 g (1 oz)