

Installation Instruction

[HM Series]

Introduction

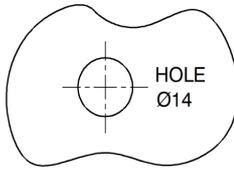


The HM series is a range of ground plane independent panel mount antennas. The product as supplied will fit to metallic or non-metallic panels of up to 6mm (0.24") thickness. The product is suitable for motorbikes and other vehicles.

Mounting Requirements and Selecting Location

This antenna must be fitted on a flat horizontal area of the mounting panel. Select a mounting location to ensure that there is adequate under panel clearance and that there is no double skin panel or cross brace present. If possible, the antenna should be mounted at least ½ wavelength away from other structures on the mounting panel. Measure to check for central position if applicable.

Prepare and make hole



Mask the mounting panel area around the mounting hole position to protect the paintwork and roof headliner. Drill a pilot hole, then increase the hole size to 14mm (0.55"). If mounting to a vehicle panel ensure that the drill/cutter bit does not contact the roof headliner. Clean the area around the hole, carefully removing all dirt and swarf.

If mounting to a metal panel apply some petroleum jelly or paint around the hole to prevent corrosion.



Fitting the Antenna

Remove the protective backing from the underside of the antenna mount and feed the coaxial cable through the panel. Position the antenna over the hole and stick the antenna to panel by applying firm downward pressure. Assemble the nut and washer from the underside and tighten.

Routing and terminating the coaxial cable

Route the coaxial cable to the equipment, taking care to avoid running the cable adjacent to any existing vehicle wiring or fouling any moving vehicle component. **The cable must not be routed in front of any airbag device.** Fit the correct coaxial connector or adaptor to the cable as required.

Commission and test

- The connector body to the connector centre pin should measure open circuit.
- Note: The mount is insulated - there is no d.c. connection from connector body to mounting panel.
- Carry out a VSWR check, the VSWR should measure as detailed on the relevant datasheet.

Notices

	European Waste Electronic Equipment Directive 2002/96/EC Please ensure that your old Waste Electricals and Electronics are recycled do not throw them away into standard waste.
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	RF Safety Note – This antenna should be mounted in such a way that no person is within 20cm of the antenna during use.
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Waiver: This document represents information compiled to the best of our present knowledge. It is not intended to as a representation or warranty of fitness of the products described for any particular purpose. This document details guidelines for general information purposes only. Always seek specialist advice when planning installations and ensure that antennas are always installed by a properly qualified installer in compliance with local laws and regulations.