

Section 7

DATA LINK ANTENNAS

Updated 21 February 2011

CFD890 Spread Spectrum Dipole

Frequency
853 – 929 MHz

Bandwidth
Full Band



The CFD890 spread spectrum dipole is factory tuned to cover the full frequency range 853 to 929 MHz at less than 1.5:1 VSWR.

Construction consists of welded brass internals, aluminium ferrule and a black fibreglass radome standing 40 cm tall.

The dipole can be secured into any bracket with a 12.7 mm (½") minimum diameter hole using the stainless steel nut and washer at the base.

No metal ground plane is necessary for the antenna to operate effectively. Potential mount positions therefore include vehicles and numerous fixed locations where no metal exists. A variety of mounting brackets are available separately.

3 metres of RG58 low loss cable side exits from the mount ferrule.

An SMA Male connector is fitted to the cable.



| SPECIFICATIONS | CFD890 |
|-------------------------|--|
| Construction | Brass internals, aluminium ferrule, black fibreglass radome |
| Frequency Range | 853 to 929 MHz full band |
| VSWR | < 1.5:1 |
| Tuning | Factory |
| Gain | 2.1 dBi |
| Maximum Power | 20 Watts |
| Impedance (Nom.) | 50 Ohms |
| DC Grounding | Yes |
| Polarisation | Vertical |
| H-Plane | 360° Omnidirectional |
| Cable | 3 metres of RG58 low loss cable side exits from the ferrule |
| Connector | SMA Male fitted to the cable (Other connectors available) |
| Height | 40 cm |
| Weight | 350 grams |
| Mounting | Secure to any bracket with 12.7 mm (½") minimum diameter hole using the stainless steel nut and washer at the base |



An SMA Male connector is fitted to the 3 metre RG58 low loss cable.