



**ECO5-915
 with N Jack**



**Recessed
 N Plug**

Omni-directional ISM 915 MHz Systems

- Economical, weatherproof and durable
- Designed for both indoors and outdoors
- Can be pole or directly mounted on N connector

The ECO5-915 covers 902-928 MHz. It was designed specifically for ISM applications in the 902-928 MHz band. The antenna offers easy installation, compact size and efficient electrical performance.

The ECO Series are free space antennas; no ground plane is required so the antenna can be mounted just about anywhere. Standard mounting hardware is included for pole mounting.

There are two connection options available. The ECO5 typically terminates with an integrated N-jack (female) connector at the base of the antenna.

There is also an ECO5-915RN with a recessed N-plug, enabling the antenna to be surface mounted. No additional hardware is required for this model.

The standard ECO5-915 configuration easily mounts on to poles up to 2" (5 cm) in diameter.

The second configuration, the "RN" model, terminates with a

recessed N-plug (male) connector built into the base of the antenna. These antennas are typically attached directly to a device or installation box.

Cable assemblies are available from Mobile Mark to connect the site antenna to the modem. These cable assemblies can be custom produced for any length.

| Model # | Connector |
|----------------|--|
| ECO5-915-WHT | Standard N Jack (Female) |
| ECO5-915RN-WHT | "Recessed N" Direct mount with N Plug (Male) |

Color options available for above models
 WHT-White

| Specifications | | | |
|-----------------------|---|--------------------|--|
| Frequency/Gain: | 902-928 MHz, 5 dBi gain | Radome Material: | White fiberglass |
| VSWR: | 2:1 max over range | Connector: | N-jack (female) Direct mount option Recessed N Plug (Male) |
| Impedance: | 50 Ohm nominal | ECO5-915 | |
| Max Power: | 10 Watts | ECO5-915RN | |
| ECO5 Beamwidth | 22° El, 360° Az | Antenna Length: | 23.5 in (59.6 cm) |
| Operating Temp: | -40° to +80° C | Weight: | 5 oz (.14 kg) 8 oz (.22 kg) |
| Lightning Protection: | External recommended | ECO5-915 | |
| Max Wind Velocity: | 100 mph (160 kph) | ECO5-915RN | |
| Antenna Diameter: | 0.63 in (1.6 cm) Radome, 0.9 in (2.3 cm) at the base | Shock & Vibration: | EN 61373, EN 300 019-2-4, MIL 810G, IEC 60068, IEEE 1478 |
| Pole Mounting: | Mounts up to 2" (5cm) diameter pole | Water Ingress | IPx5 |
| Surface mount option: | Recessed N (Male) | | |