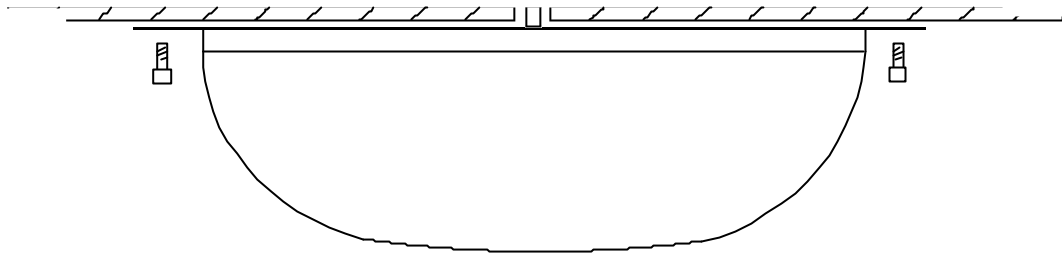


M O O N R A K E R

Type CMGP

Low Profile Disguise VHF or UHF Radome Enclosed Antenna System



The Moonraker type CMGP is designed to provide efficient VHF or UHF communications where visual impact or covert requirements restrict the use of standard antenna systems. Shopping centres, hospitals, airports, railway stations and hotels are typical locations for these antennas.

Housed within a disguise radome the antenna closely resembles a standard ceiling/flush mounted light fitting. Normal colour is white. It blends well with other fittings found in modern buildings.

The antenna is ground independent and therefore does not require a metal ground plane/ceiling etc., for correct operation. It is DC grounded for protection from static and other like forms of interference. It may be supplied tuned to any frequency in the range with a bandwidth better than 1 MHz (VHF) or 15 MHz (UHF) at the specified frequency.

Mounting is simplified by the extended base flange with positions marked for screw holes placed equally around its perimeter. Cable entry is via a connector in the base of the housing, allowing the cable to enter directly through the ceiling behind the base.

Specifications

| | | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Frequency Range | VHF 148-174 MHz | UHF 400-500 MHz |
| Bandwidth | Greater than 1 MHz at 1.5:1 SWR, 2.5 MHz at 2.0:1 SWR | 15 MHz at 1.5:1 SWR, 30 MHz at 2.0:1 SWR |
| Gain | Unity | Unity |
| Power | 50w CW | 50w CW |
| Polarisation | Vertical | Vertical |
| Radiation Pattern | Omnidirectional | Omnidirectional |
| Impedance | 50Ω (nominal) | 50Ω (nominal) |
| Connection | BNC socket protruding from flat base (cable entry through mounting surface /ceiling (other connectors to order) | |
| Radome | White ABS plastic 360mm (diameter) x 115mm (height) (14.2 x 4.5 in) | |
| Mountings | Via screws through base flange 395mm (15.5 ins) diameter | |
| Weight (Antenna) | 1.1kg (2.42 lbs) | |
| Packed Weight | 2 kg (4.4 lbs) approx | |