

### Key Features

- Penta band (Quad band GSM / GPRS and 3G 2100MHz)
- High gain
- Bracket mount
- Improved signal quality with provided low loss cable
- RoHS compliant



### General Description

The Oscar 1A is a high performance Omni-directional wall / bracket mount antenna, operating on global GSM/GPRS and 3G frequencies. Its wide operating frequency band allows for worldwide cellular applications over the quad band GSM/GPRS networks as well as high data transfer rates via 3G/UMTS networks. Ruggedly constructed with black ABS plastic over the radiating element and with a lightweight yet durable aluminium mounting bracket. The Oscar 1A is designed for outdoor use to improve cellular signal reception and transmission. Its high quality monopole design provides a peak gain of 5dBi. This antenna is installed with ease using a couple of screws to secure its inbuilt L bracket to the best position for optimum signal transmission. Common applications for the Oscar 1A include: remote monitoring, alarm & security systems and applications demanding an all-weather and robust antenna.

Supplied with 5 meters of low loss cable

### Additional Considerations

- Operates on global GSM/GPRS networks as well as 3G 2100 MHz
- Housed in a robust ABS casing for extreme climatic and operational environments
- For secure, permanent fixing
- Does not require additional placement on metallic surface
- Meets all EU compliance criteria for electronic goods

### Key Specifications - Electrical

Temperature range:	-30 to +70°C
Impedance:	50 ohm
Peak gain:	5dBi
VSWR:	<1.8:1
Operating frequency:	Quad Band GSM / GPRS: 850, 900, 1800, 1900MHz 3G: 2100MHz
Polarization:	Vertical

### Key Specifications - Mechanical

Antenna diameter:	25mm (cylinder)
Antenna height:	205 ± 5mm
Bracket length:	151 ± 5mm
Bracket height:	79 ± 5mm
Bracket thickness:	3mm
Cable:	Low loss CFD195
Housing colour:	Black

