



The ANT04 is a low profile omnidirectional radio microphone antenna. It is suitable for 840–880MHz applications.

All components are enclosed in a lightweight and weather resistant flame retardant LSZH ABS moulding.

The ANT04 is supplied as a fully assembled and sealed unit ready for fixing to the mounting surface, typically on a wall or ceiling.

For further details please refer to the ANT04 product manual or visit www.asl-control.co.uk.

Specification

General

Frequency.....	840–880MHz
Bandwidth.....	40MHz
Impedance.....	50Ω
Gain.....	6dB
VSWR.....	1.2:1
Effective range under normal operating conditions.....	60m
Internal feedline.....	RG58
Connector.....	N type, female
Colour.....	Black

Materials

Enclosure

Enclosure.....	Flame retardant LSZH ABS
UL flammability rating.....	94VO

Others

Gasket.....	LSZH Silicon
Connector.....	Brass
Elements.....	Tin

Cable Length¹

RG58 (or similar standard 50R cable).....	10m Max. ²
RG213 (or similar low loss 50R cable).....	30m Max. ²

Dimensions and Weight

Dimensions (H x W x L)	27.98mm x 70.61mm x 193.26mm (incl. flange and connector)
Weight	150g

Environmental

Temperature (storage and operating)	–20°C to +85°C
Humidity range	0% to 93% Non-condensing

¹ Ideally any factor of 0.348m

² Care must be taken in the design of any radio microphone antenna and receiver system in order to maximise the system performance. Major factors which affect the system performance include the antenna type and positioning, cable type and length, cable installation, and the receiver and transmitter performance. Antennae should preferably be positioned in clear sight of the intended transmitter locations, away from large metal objects, and away from electronic systems which may interfere with the signal, such as public information displays. It is recommended that low loss cabling be used. The maximum cable length is a factor of the installation, however it is recommended that the lengths given above are a guideline for a system using ASL products and in which all other variables are optimised. If longer cable runs are required then solutions such as antenna amplification and/or multiple receivers should be considered.

Manufacturer

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