

Scarecrow Defender



The Defender 1460 non magnetic loudspeaker, designed for use where the presence of a 'magnetic field' could cause operational problems.

SCARECROW
BIO-ACOUSTIC SYSTEMS

The Defender 1460 non magnetic loudspeaker was designed for use where the presence of a 'magnetic field' could influence the performance of a compass, such as on a YACHT, or where the performance of a normal magnetic loudspeaker could be influenced by strong external electrical fields, such as on HIGH VOLTAGE POWER TRANSMISSION PYLONS.

Defender 1460 has a frequency response limited to the range normally encompassing the distress calls of birds and is not designed for accurate speech or music reproduction.

The design of Defender is intended to make it self draining, in the event of a wave hitting it when installed on a yacht or in driving rain when installed on a power transmission pylon.

The loudspeaker enclosure is built from aluminium, seam welded and powder coated to withstand extreme weather conditions. It is supplied with two stainless steel mounting systems; when mast mounted, one Defender can fully cover vessel lengths of up to 36metres, additional units being required for longer ones.

Defender is designed for use with any Scarecrow fixed, fully automatic, processor – Marina, One-Shot – both of which can be powered from 110v/220v ac 50Hz or dc supplies, the latter sourced from batteries, solar cells, wind or tide power generators of appropriate specifications.

In general, birds have similar hearing abilities to humans; because of this, ultra-sonic sound generators have little or no lasting effect in dispersing birds. Conversely, the broadcasting of the birds own natural distress calls prompts them to fly up and investigate the cause of the distress call before dispersing. This psychological engagement is the backbone of the long lasting efficiency of all Scarecrow products, unique in that all Scarecrow calls commence at their natural beginning making them more believable to the subject birds.



Scarecrow Marina



Scarecrow One Shot



Technical Specification – Scarecrow Defender Loudspeaker 1460

Enclosure dimensions:	Length, including loudspeaker hood: 420mm max (top) 179mm min (base)
Width:	120mm
Height:	206mm
Mounting base:	140mm x 120mm
Enclosure material:	1.6 mm aluminium, seam welded
Structure fixing:	Eight M5 Stainless steel bolts, to mounting base
Weight:	3.5Kg
Finish:	Ivory colour, powder coated, flame retardant and chip resistant
Transducers (2):	These are angled at 30° from vertical, one each end of the enclosure maximum length and are high impedance, non-magnetic, mid-band horns, fitted behind splash proof, self draining, foam screens
Audio load impedance:	4ohm
Input termination:	Underside mounted, waterproof, 2 pin polarized; mating connector included, screw locking
Rated power:	20 watts
Order code:	1460, supplied with two types of stainless steel fixing brackets and bolts



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