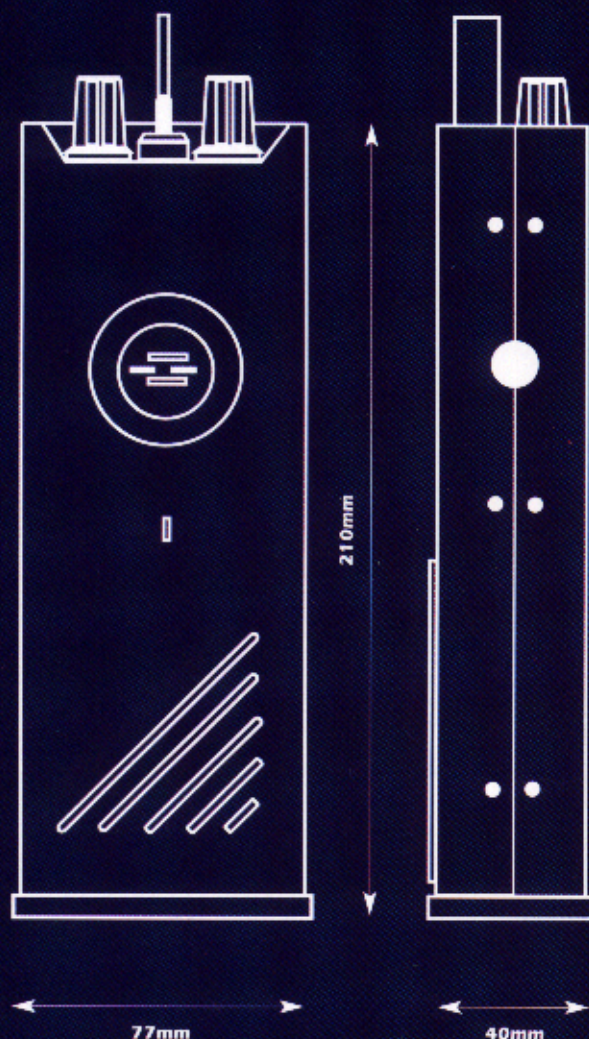


technical specifications

McMurdo R3 VHF maritime aeronautical rescue transceiver



GENERAL

Operating frequencies	121.5 MHz (primary) 123.1 MHz (auxiliary)
Modulation	AM (A3E)
Frequency accuracy	± 2 kHz

TRANSMITTER

Transmitter carrier power	0.1 W EIRP
Transmitter spurious	$< 0.25 \mu\text{W}$

RECEIVER

Receiver sensitivity	< 30 dBuV for 12dB SINAD (30% AM, 1 kHz)
Receiver max input level	> 120 dBuV for $< 10\%$ harmonic distortion
Receiver selectivity	< 2 nW (9 kHz to 2 GHz)
Audio level	> 200 mW (1.26 Vrms/8 Ω)
Audio bandwidth	300 Hz to 3 kHz (typ)

ENVIRONMENTAL

Dry heat	+55°C, storage +65°C (131°F, storage 149°F)
Damp heat	+40°C @ 93% relative humidity
Low temperature	-20°C, storage -25°C (-4°F, storage -13°F)

MECHANICAL

Size ex. antenna	210 x 77 x 40mm (8.3 x 3 x 1.6 in)
Weight	850g (1.9 lbs)

ANTENNA

Construction	Synthetic rubber covered stainless steel leaf
Length	60cm (23.6 in)
Antenna gain	-3dBi

BATTERY

Ordering code	Norbit part #400IX, MARI battery
Battery shelf life	10 years (typ)
Life time	24 hrs operation (typ)
Size	Size "D", $\varnothing 34$ x 59mm ($\varnothing 1.4$ x 2.3 in)

APPROVALS

ETSI TS 101089
EN 60945
Complies with IMO Resolution MSC.80 (70) Annex 1

Other GMDSS equipment in the
McMurdo Marine Range
includes EPIRB and SART

AUTHORISED DEALER

UK	USA
McMurdo Marine Ltd Pains Wessex Safety Systems PO Box 100 Portsmouth Hampshire PO4 8SG United Kingdom Tel: +44 (0)23 9277 5044 Fax: +44 (0)23 9281 9087 www.pwss.com & www.mcmurdo.co.uk	McMurdo Marine Inc Pains Wessex Safety Systems PO Box 100 Portsmouth Hampshire PO4 8SG United Kingdom Tel: +44 (0)23 9277 5044 Fax: +44 (0)23 9281 9087 www.pwss.com & www.mcmurdo.co.uk

