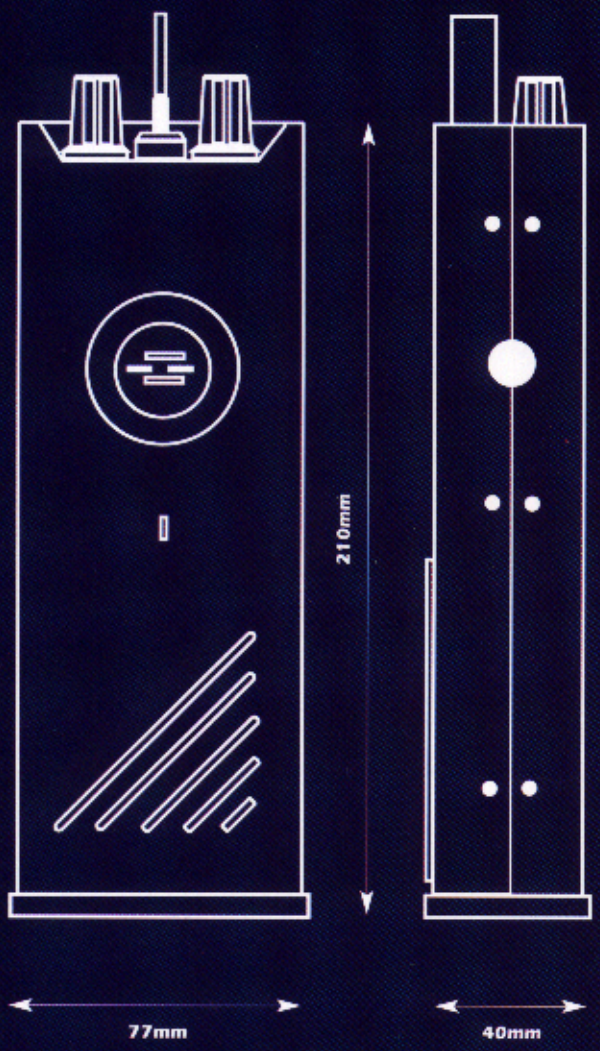
Pains Wessex Safety Systems

McMurdo Marine

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	<0.25µW	
RECEIVER		
Receiver sensitivity	<30 dBuV for 12dB SINAD	(30% AM, 1kHz)
Receiver max input level	>120 dBuV for <10% harmonic distortion	
Receiver sensitivity	<2 nW	(9kHz to 2 GHz)
Audio level	>200 mW	(1.26Vrms/8Ω)
Audio bandwidth	300Hz to 3kHz	(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 (1.9lbs)	
ANTENNA		
Construction	Synthetic rubber covered stainless steel leaf	
Length	60cm (23.6 in)	
Antenna gain	3dBi	
BATTERY		
Ordering code	Norbit part #4000X, MART battery	
Battery shelf life	10 years (typ)	
Life time	24hrs operation (typ)	
Size	Size "D", Ø34 x 59mm (Ø1.4 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

McMurdo Limited
Rodney Road, Portsmouth
PO4 8SG United Kingdom
Tel: +44 (0)23 9277 5044
Fax: +44 (0)23 9281 9087
www.pwss.com &
www.mcmurdo.co.uk

This document is McMurdo Limited copyright and contains proprietary owned intellectual property rights and confidential data. All rights are strictly reserved.

MEMBER OF CHEMICAL GROUP PLC