

RBM-2 Racon

The RBM-2 Racon is a latest-generation Radar Beacon, X+S Band frequency agile, which incorporates the most advanced electronic technology in radar systems applied to nav aids.

The Racon is an active responder that enhances radar echoes' detection and identification and provides the mariner with a reliable guide under bad weather conditions on range bearing, leading line, obstacle identification,



FEATURES

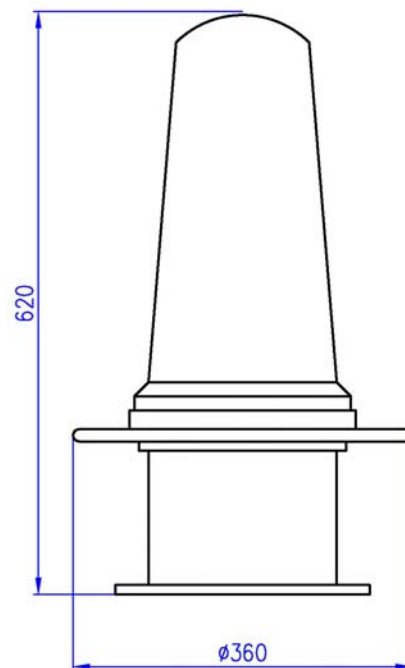
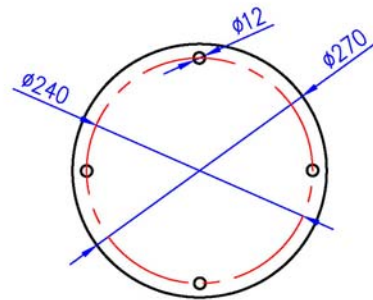
General Features

- Response in S and X Bands.
 - Transmitter power: 1W in both Bands.
 - Advanced side-lobe suppression SLS by measuring pulse width and radar frequency.
 - Response width proportional to the radar signal length.
 - It ensures that the Racon signal appears in a proportioned sized on
- Configurable sensitivity receiver.
 - Serial RS-485 Communications port.
 - Configuration software by PC.
 - Wide power supply range.
 - Very reduced energy consumption.
 - Low weight.
 - Maintenance-free.

Racon RBM-2

TECHNICAL SPECIFICATIONS

Frequency range		
	X Band	9,300-9,500 MHz
	S Band	2,900- 3,100 MHz
Frequency accuracy		± 2 MHz (<200ns X + S Band)
		± 1 MHz (>200ns X + S Band)
Response codes		26 Morse codes
Power output to antenna		1 W
Response delay		<0.5 μ s (X + S Band))
Response speed (each band)		10 KHz
Receptor sensitivity		Adjustable
	X Band	-40dBm
	S Band	-35dBm
Antenna gaining		5 dB in X Band, 2 dB in S Band
Polarisation		
	X Band	Horizontal
	S Band	Horizontal/Vertical
Azimuth Response		360°
Communications and alarms		RS485 serial port Internal Buzzer
Side-lobe suppression (SLS)		Advanced
Power supply		
	Nominal	12V DC
	Minimum	9V DC
	Maximum	36V DC
Power consumption		
	Average Nominal	150mA
	Maximum	500mA
	Idle	9 mA
Temperature range		-40 a +70°C
Materials		
	Base	Aluminium
	Antenna	Poliester
Protection class CEI 60529		IP67
Weight		15 Kg



OPTIONS

- Azimuth response: 60°, 90°, 180° or 360° (X Band).
- Range: short or long.
- Leading line.
- Antenna separated from control unit for protection against shocks and impacts.