



Be heard

Marine Antenna Amplifier System

Argo A1



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Marine Services AS

your communication partner

DESCRIPTION ARGO A – 1

Argo system A1 consist of TRF1 preamplifier and TRA1 main AGC amplifier. The excellent performance of the system is based upon the sophisticated design. The ARGO system A1 is designed to receive, amplify and distribute broadcasted radio and TV signals at sea. The ARGO system A1 is the obvious choice for vessels that require a high quality reception of weak and strong signals simultaneously when the ship is close to the coast line. Argo A1 has a compact design, and is easy to install. Some new features are complimented; input for satellite, S band area (250 – 450 Mhz). Video input, channel 36 (592 – 598 Mhz). Argo A1 uses one TV/FM receiving antenna and a wideband preamplifier TRF1. The TRF1 preamplifier has built-in two frequency traps to prevent interference from

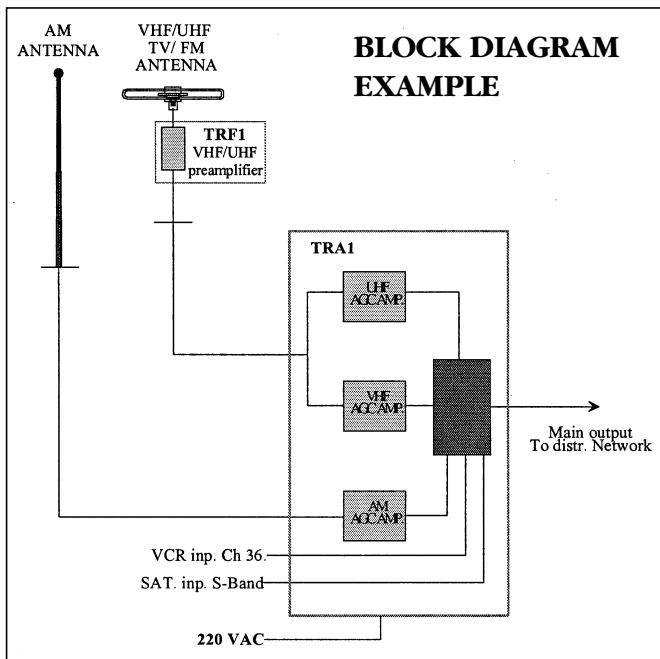
the Maritime VHF transmitter and NMT 450 cellular phone. TRF1 preamplifier cover both VHF TV/FM and UHF TV frequencies and has a gain from 17 to 20 dB. A green LED is located beside the VHF/UHF input on the TRA1 main amplifier. This LED functions as a built-in self test of the cable, and the connection between the preamplifier and the main amplifier. TRA1 has one input for satellite, (covers only S band area), one input for video (VCR) (ch - 36) and one input for AM antenna. TRA1 has also built-in AGC control that keep the output level constant. Argo A1 system is able to run up to 40 antenna outlets directly. If the distribution network is larger, an Argo TRDA wideband distribution amplifier is needed.

NETWORK

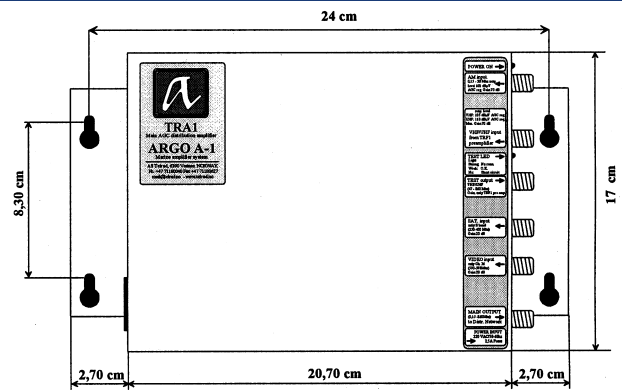
The network can have up to 40 outlets before an extra distribution amplifier is necessary. (Argo TRDA). Maximum amount of outlets in cascade should not be more than 7 - 8. When measuring out the distribution network a field strength meter is needed.

ANTENNAS

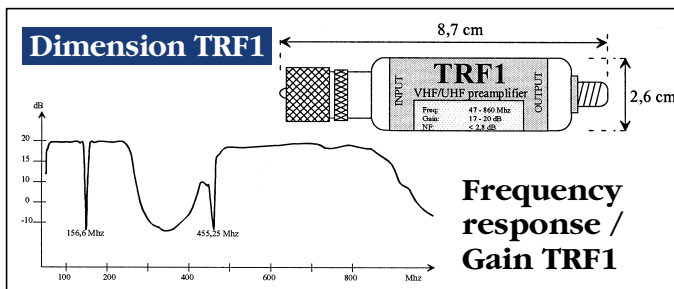
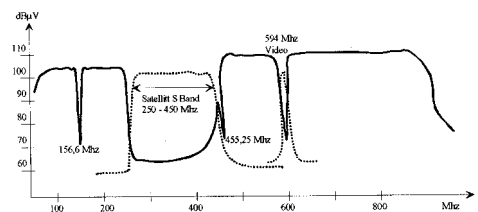
The antennas should be installed as high up as possible on the vessel, and maximum distance from any transmitting aerials. Various types are available. The standard types delivered is Etronic E101 omnidirectional FM/TV and Comrod. AR82 AM whip aerials.



DIMENSION / MOUNTING TRA1



Frequency response / Gain TRF1



Technical data TRF1

Gain: 17 - 20 dB
Frequency range: 47-860 Mhz
Noise figure: < 2,8 dB
1 dB compression: 107 dB μ V
Input / Output impedance: 75 ohm

Frequency trap: 75 ohm
Power supply: TRA1 or TRPF
Input signal plug: UHF male connector
Output signal plug: F - connector
Dimensions: 87x26x26 mm
Weight: 105 g

Distributor:



a member of the JOTRON group

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