

Relay antenna switch RAS 04

The RAS 04 module is a relay operated antenna switch, with which either local or remote switching of up to four different antennas or signal sources is possible.

INPUT 1 is intended for active or omnidirectional antennas, covering the whole spectra from AM to UHF. This input also has a jumper selectable, 15V DC supply voltage for the antenna.

INPUT 2 is intended for directional VHF-UHF antennas.

INPUT 3 is mainly intended for land based CATV signals. This input is over-voltage protected.

INPUT 4 is mainly intended for an on board satellite receiver.

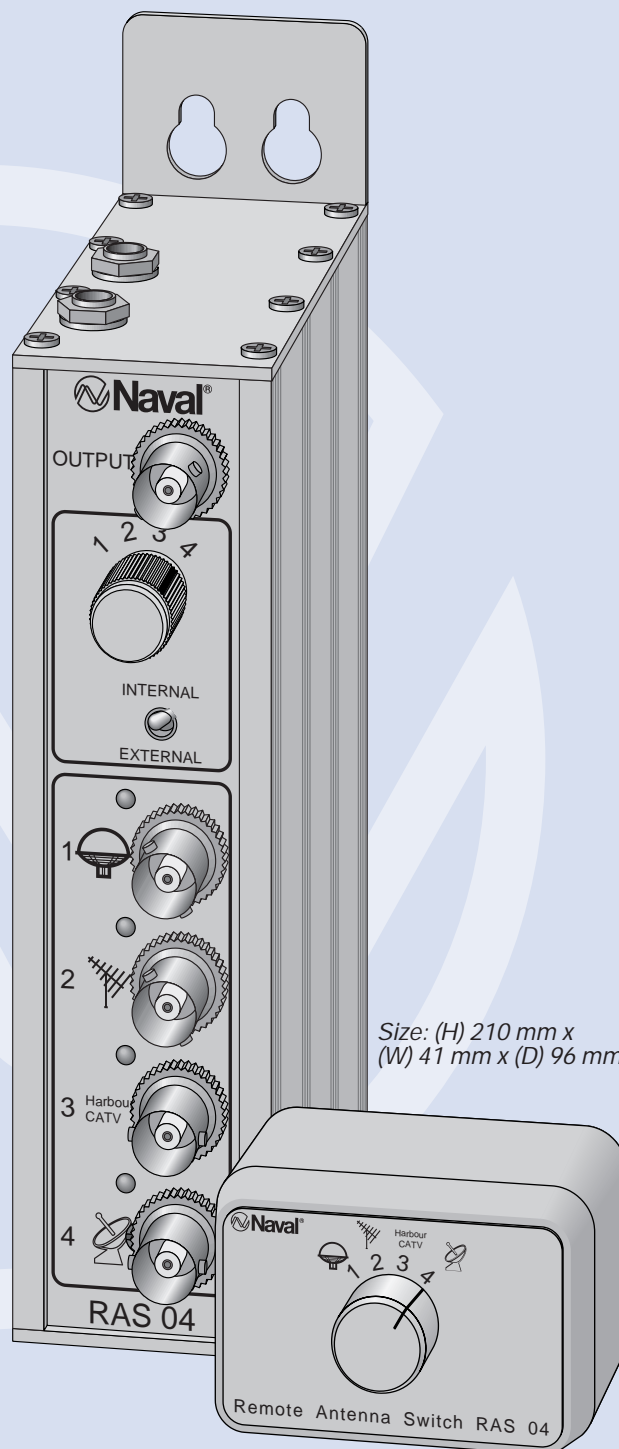
Switch positions 1, 3 and 4 pass the signals direct from the corresponding input to the output.

Switch position 2 routes AM/FM signals present at input 1, via filters to the output. Similarly, via filters, TV-signals from input 2 are routed to the output.

Local/remote operation is selected with a switch on the front panel. In either case, selected input is indicated by a green LED. The remote switch is connected via a 5-part shielded cable.

TECHNICAL SPECIFICATIONS

| | | |
|---|-----------------------------------|---|
| Frequency range: | Inputs 1, 3, 4 Input 2 | 0.1-890 MHz 40-70 MHz and 170-890 MHz |
| Isolation between any in/output: | min. 35 dB | |
| Frequency band to band isolation in switch position 2: | min. 20 dB | |
| Attenuation in/out: | max. 2 dB | |
| Impedance: | 75 Ohm | |
| Supply voltage: | 24V DC | |
| Current consumption: | 60 mA approx. | |
| Supply voltage for active antenna, short circuit proof (derived from 24V supply): | 15V DC±10%, max. 350 mA | |
| RF Connectors in/out: | BNC | |
| Remote: | 6-pole plug for max. 1,5 mm cable | |
| Power connector: | 2-pole plug, Naval standard | |
| Operating temperature: | -40 - + 55° C | |



Size: (H) 210 mm x
(W) 41 mm x (D) 96 mm

Size: (H) 60mm x (W) 90 mm x (D) 50 mm

9410

Since 1971, the objective of Naval Electronics has been to offer the best possible products for TV and Radio reception at sea. Naval began with omnidirectional antennas and is the world leader in this field of technology today. Now, with an expanded product range, the name Naval means much more than antennas. Naval operates in more than 40 countries and has installations on thousands of vessels all over the world.

All specifications stated are subject to change without notice.

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