



EAS specification

General description

- Antenna-switch for 2 Radios and 6 Antennas on 160m to 6m.
- Optimized Microstrip-design with 4 relays per antenna for lowest insertion-loss, lowest SWR and highest port-isolation.
- 105um (3 oz) of copper for reliable high-power usage.

Weight

- 1.2 Kg

Enclosure

- Size over all (enclosure + connectors): 325mm x 130mm x 65mm
- Material: silver pre anodised aluminium 1.0mm (bottom-plate 2.0mm)
- Grounding lug: M4
- Mounting: 2 holes 5.2mm
- Marking: laser

Connectors

- SO239 connectors with PTFE-insulator and gold-plated contact.

Interlock

- Only 1 radio can access the same antenna at the same time. Hardware-lock with relays. 1<sup>st</sup> wins.

Environment

- Temperature: -25°C to 70°C
- Protection: IP40 (indoor use)

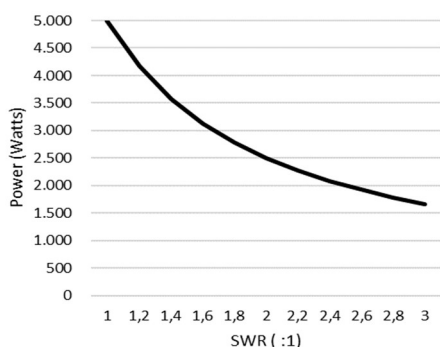
Control

- active high (12VDC) through a D-SUB 9 connector per radio. Status-indication with 12 LEDs.
- Control-voltage: 12VDC (10.4VDC – 14VDC), 90mA (+/-10%) @ 12VDC per channel
- low-pass filters in all control-lines.

HF-characteristics

	160m	10m	6m
SWR	1.01:1	< 1.18:1	< 1.35:1
Insertion-loss	< 0.03dB	< 0.08dB	< 0.14dB
Port isolation	95dB – 105dB	75dB – 85dB	70dB – 80dB

Power-handling (ICAS \*): 5 KW at SWR 1:1 / 1.6 KW at SWR 3:1 (see graph below).



\* Intermittent operation where 'on' period doesn't exceed 5 minutes and every 'on' period is followed by an 'off' or standby period of at least the same or longer duration.