

# HYPER-FIX

Antenna Tuning Unit

Type 90516

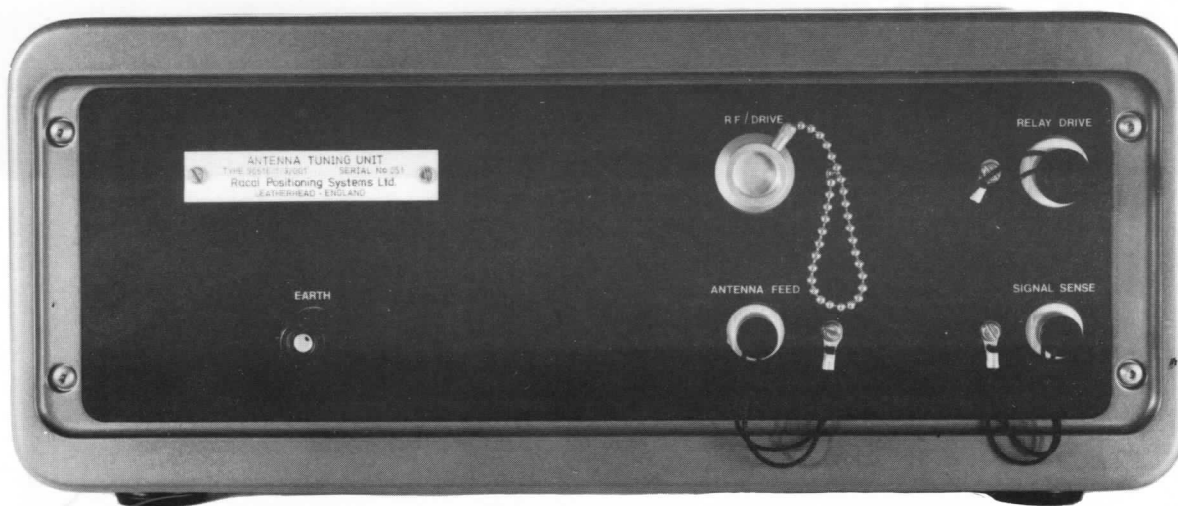


The Antenna Tuning Unit type 90516 is a lightweight, compact, dual frequency tuning unit designed to match the PA into antennae from 3 m to 30 m over the frequency range 1600 kHz to 3400 kHz.

The device is simple to tune with all controls on the front panel.

The changeover from one frequency to the second is achieved by switching a second capacitor in parallel with the first. This switching is accomplished by using a high reliability Reed Relay.

A meter normally displays Antenna Current for  $f_1$  and  $f_2$  transmissions, but for tuning purposes may be switched to either  $f_1$  or  $f_2$ , at normal or increased sensitivity.



## TECHNICAL DATA

### Dimensions and Weight

Height:	152 mm (6.0 in)
Width:	373 mm (14.7 in)
Depth:	292 mm (11.5 in)
Weight:	10.0 kg (22.0 lb)

### Temperature Range

Working:	-30°C to +60°C (-22°F to +140°F)
Storage:	-50°C to +85°C (-58°F to +185°F)

<b>Humidity</b>	95% RH
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<b>Operating Frequency</b>	1600 kHz-3400 kHz
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<b>Mode of Operation</b>	Single or double frequency with up to 20% separation
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<b>Technical Manual</b>	STM 1204
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