

6) This contactor has excellent breaking capacity since the arrangement of the arc-quenching board and the form of the arc-extinguish iron sheet are most suitable as proven by many breaking tests.
 7) There is no noise induced by the control magnet and apparent power consumption is small.

Rating and Performance

- 1) Rated voltage (Main circuit): 3300 v
50/60 c/s
- 2) Rated current (Main circuit): 200 amp
- 3) Rated breaking capacity: 25 Mva
Operating duty: 0~2 min-CO
- 4) Short time current: 4400 amp 0.5sec

- 5) Switching capacity: Class A
- 6) Mechanical life: 5 million times
Electrical life: 0.5 million times
Switching frequency: 300-times/hour
- 7) Maximum capacity of
fitting motor: 750 kw(1000 hp)
Maximum capacity of
fitting transformer: 3-phase 1000 kva
- 8) Controlling circuit: 200/220 v
50/60 c/s

The standard controlling method is a continuous exciting system but it is possible to manufacture a locking system which is excited on only making or breaking operations in accordance with requirements.

(By K. Taketani, Fukiage Factory)

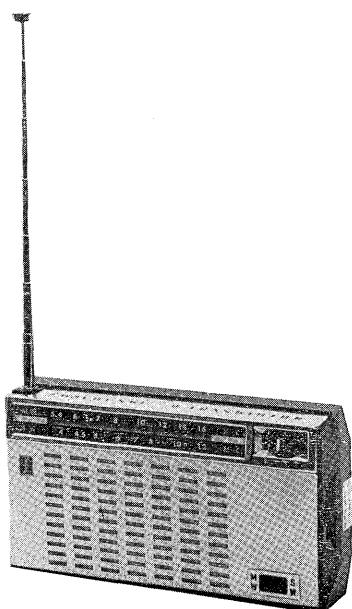
FUJI 8-TRANSISTOR MW/SW 2-BAND RADIO, MODEL TRS 864

More interest in multi-band radios is the world trend these days, and instead of 6-transistor portables, 8-transistor AM-SW radios are going to be popular. The Fuji model TRS 864, a two-band portable with 8 transistors and 1 diode is the answer for those who want the best multi-band (AM/SW) radio without spending the most.

Features

- 1) Ultra-high sensitivity

Drift transistors... each of which does the work of two transistors... are combined with diode so that stabilized, highly sensitive reception is possible wherever one may be.



- 2) Compact and light weight

Weighing less than a pound, it is more portable than most 2-band radios.

- 3) Fine tuning mechanism

The fine tuning mechanism is a magnifier which enlarges signals sixty times to simplify the short wave control. After tuning to your favorite station, turn this dial to the right or left for finding the strongest and clearest broadcast reception. The fine tuning system easily brings in even the weakest stations. This is especially noticeable in SW reception.

- 4) Gear operated slide-rule dial

The geared dial mechanism results in smooth, accurate tuning... no slipping. Contrasting black and white slide-rule dial is easy to read for MW and SW bands.

- 5) Two antennas

One is a large ferrite core antenna which spans the entire width of the cabinet. The other is an extension rod antenna which helps bring in even distant stations, especially for short wave broadcasts, by pulling out to the fullest extent.

- 6) Tone control

The tone control switches from bass to treble for the listener's pleasure. For high, clear tone push the switch upward as indicated by "H", and for low tone, turn it downward as indicated by "L".

- 7) Attractive metallic front and handsome side-cut design.

- 8) Four low-cost penlight batteries provide extremely long battery life and can be purchased anywhere.

- 9) Two earphone jacks... two persons can listen at the same time.

Specifications

Circuit: 8-transistor superheterodyne
 Frequency range: MW 540~1600 kc

SW 3.9~12 Mc
 Intermediate frequency : 455 kc
 Output : Max. 280 mw
 Distortionless 200 mw
 Batteries : Four penlight batteries
 UM-3 A (1.5 v) × 4
 Antennas : Built-in ferrite bar antenna for
 MW
 Telescopic rod antenna for SW
 ◦ Fine tuning
 ◦ Tone control
 ◦ Earphone jack × 2
 Speaker : 2 5/8" (65 mm) permanent dy-
 namic speaker
 Transistors : Frequency converter 2SA93
 (× 1)

Intermediate frequency ampli-
 fier 2SA31 (× 2)
 Audio frequency amplifier
 2SB32 (× 2)
 Power amplifier 2SB33 (× 2)
 Local oscillation 2SA60 (× 1)
 Detector 1S446 (× 1)
 Diodes :
 Thermistor : TS-250 S
 Dimensions : 6 7/8" × 3 5/8" × 1 9/16" (172 × 92
 × 40 mm)
 Weight : About 0.88 lbs. (400 g)
 Accessories : Earphone × 1
 Leather case × 1
 Batteries × 4 (for operation)

(By K. Uekuri, Foreign Trade Dep't.)

FUJI 8-TRANSISTOR MW/SW₁/SW₂ 3-BAND RADIO, MODEL TRS 869

Now you can hear what's going on in the world direct from Berlin, Moscow or Far East Stations with TRS 869 (2 SW bands plus MW). No other 8-transistor radio can match its strong power output (450 mw) and full, rich hi-fi tone quality. It operates on four flashlight "C" batteries for low cost power and complete portability—you can take it anywhere and hear the world.

Features

1) 2 SW bands plus MW

In addition to the standard broadcast band, this model has broad SW bands, ranging between 2.5~7.5 MC for SW₁ and 7.5~22 MC for SW₂.

2) Geared dial mechanism

The dial mechanism is gear operated. Skillful usage of gears results in smooth and accurate operation of the dial mechanism—no slipping.

3) Large dial and large knobs

A clearly marked large slide dial makes tuning simple and the large knobs are easily manipulated.

4) Variable tone control

A variable tone control dial selects any tone quality desired. Turn downward or upward for treble-bass adjustment; for treble, turn it downward toward you; for bass, reverse the knob to upward.

5) Fine tuning mechanism

The fine tuning mechanism is a magnifier which enlarges signals to sixty times to simplify short wave tuning. After tuning to any desired station, turn this dial for fine tuning of the desired station frequency. The fine tuning system brings in even the weakest stations, particularly in SW reception.

6) Economical flashlight battery power supply

The inexpensive, long-life flashlight batteries used for power let you run your portable all day long for a fraction of the cost of operating a conventional

table model radio on the house current.

7) Cabinet comes in either all black or two-tone finish (black and simulated woven silver).

8) Built-in ferrite bar antenna plus 8 stage telescopic antenna.

9) Two earphone jacks make listening possible by earphones only or simultaneous reception by earphones and speaker.

10) Battery replacement door

Batteries can be replaced simply without removing the back cover.

Specifications

Circuit : 8-transistor superheterodyne

