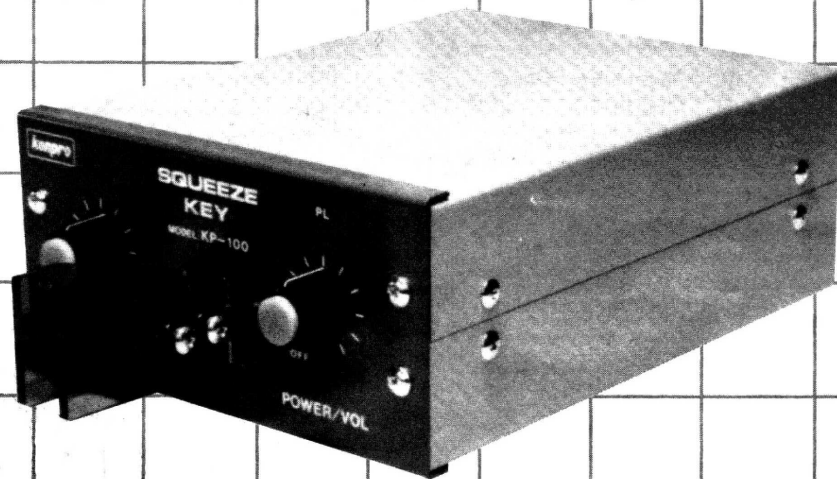


INSTRUCTION MANUAL

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SQUEEZE KEY
MODEL KP-100

KENPRO

OPERATING MANUAL FOR KP-100 SQUEEZE KEY

FEATURES:

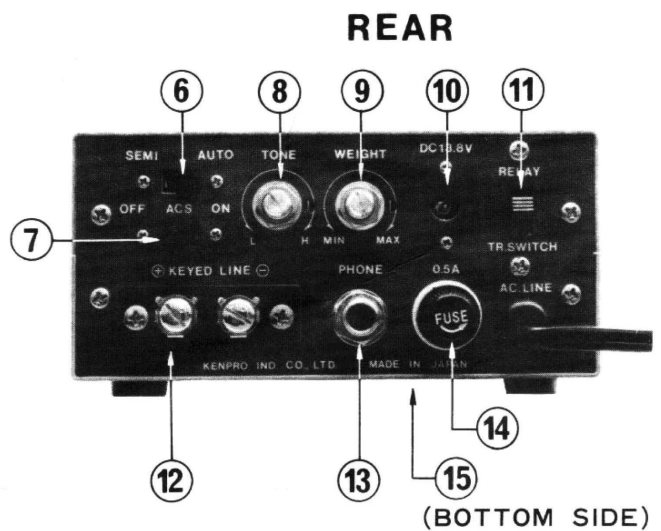
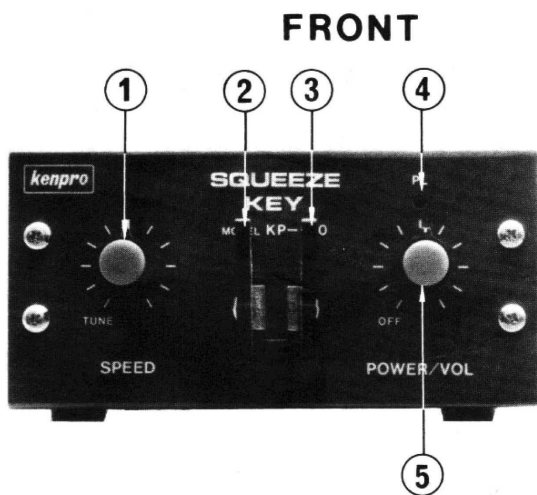
- The KP-100 squeeze key is used CMOS ICs and silicon transistors in the circuit.
- Keying operation is available whichever transistor switch or relay switch.
- Built-in monitor speaker.
- Monitor sound can be changed variably.
- The KP-100 squeeze key can be operate at AC 117/220 V or DC 13.8 V.
- Dot and dash code are transmitted as complete code without keying speed control.

PRE OPERATION:

Check be made prior to actual AC operation that the selector switch which is located bottom side of the KP-100 is in conformity with your local AC line voltage.

Don't make use of keying voltage and current in exceeding DC 150 V, 1 A, in transistor keying operation. If desire to operate at high voltage in exceeding DC 150 V, 1 A, relay keying operation is recommended. Relay keying output voltage is 500 V maximum at open circuit and key-down current is 500 mA maximum.

Please be noticed that the keying transistor 2SC2233 is out of objection of guarantee, even the KP-100 is in validity of warrantee.



OPERATION:

1. Speed Control / Tuning Knob
Turn to TUNE position, the transceiver is in condition of transmit, and this position can be made use of transmitter tuning up.
2. Dot Paddle
3. Dash Paddle
4. Pilot Lamp
5. Power Switch / Volume Control for Monitor
6. SEMI / AUTO Switch
The switch to the AUTO position, the dot and dash can operate automatically and the switch to the SEMI position, the dot can operate automatically but the dash can operate manual as bug key.
7. ACS (Auto Character Space) Switch
The switch to [ON] position, the character space obtains exact 3 dots space and the switch position to [OFF] the character space is not obtained 3 dots space. In case of operation at the switch position to "ON" and for example, when operate a letter "A", the letter may be appeared "E" and "T" due caused delayed timing of dash keying, therefore, it is required to select switch position to [ON] or [OFF] depending on your desired operation speed.
8. TONE Volume
[L] to low and [H] to high tone.
9. WEIGHT Volume
If the knob is to [MIN], the ratio of dot to dash is 1:3, but to [MAX], the ratio is changed into as shown in Fig. 3.

10. DC Jack
Plug in DC 13.8 V current 20 mA to 60 mA.
11. RELAY / TR. SWITCH
It can be changed to Transistor Keying or Relay Keying.
Change the switch position depending on transmitters condition of Key terminals. Permissible voltage and current at transistor keying operation is less than DC 150 V, 1 A.
12. KEYED LINE
In case of transistor keying, be sure + or - polarity and connect keyed line to Key Terminals of transmitter. If disconnect + and -, the KP-100 is in the condition of TX.
13. Phone Jack
Be made use of external speaker or earphone.
14. AC Line Fuse Holder
a 0.5 A fuse should be installed here.
15. AC Selector Switch
This is for selection of the proper input AC voltage. Set this switch to your local line voltage.

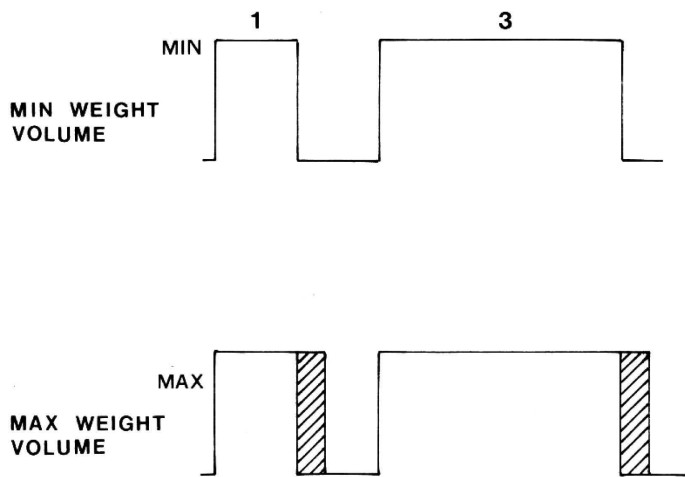


FIG-3

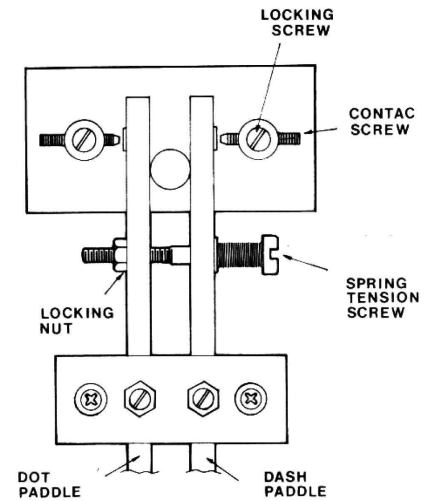


FIG-4

ADJUSTING: (Refer to Fig. 4)

To adjust manipulator, following procedure is recommended.

1. Remove the top cover. Be sure AC cord should disconnect from AC outlet before remove the cover.
2. To adjust contact point of the lever, loosen locking screw of the contact point and adjust the space of contact point as you can keying more easily and then lock the screw. Same procedure to other lever is required.
3. To adjust spring tension of the lever, loosen locking nut and adjust tension by spring tension screw and then lock the nut.

SPECIFICATIONS:

Power Source	AC 110-117 V / 220-230 V DC 13.8 V, 20-60 mA
Keying Circuit	Transistor Keying: less than DC 150 V, 1 A Relay Keying: maximum 500 V, 0.5 A
Dimensions	130 (W) × 70 (H) × 230 (D) mm
Weight	approx. 1.6 kg
Accessories	1 DC plug 1 Phone plug