

# KATSUMI ELECTRONIC KEYER EK-150

## INSTALLATION INSTRUCTION

### FEATURES

The ELE-KEY model EK-150 itself forms the dots, dashes and spaces in the precise ratio required for perfect code, at any speed desired by the operator.

Plug-in unit P.C.B. and solid state circuitry.

Squeeze (IAMBIC) sending with full dot and dash memories.

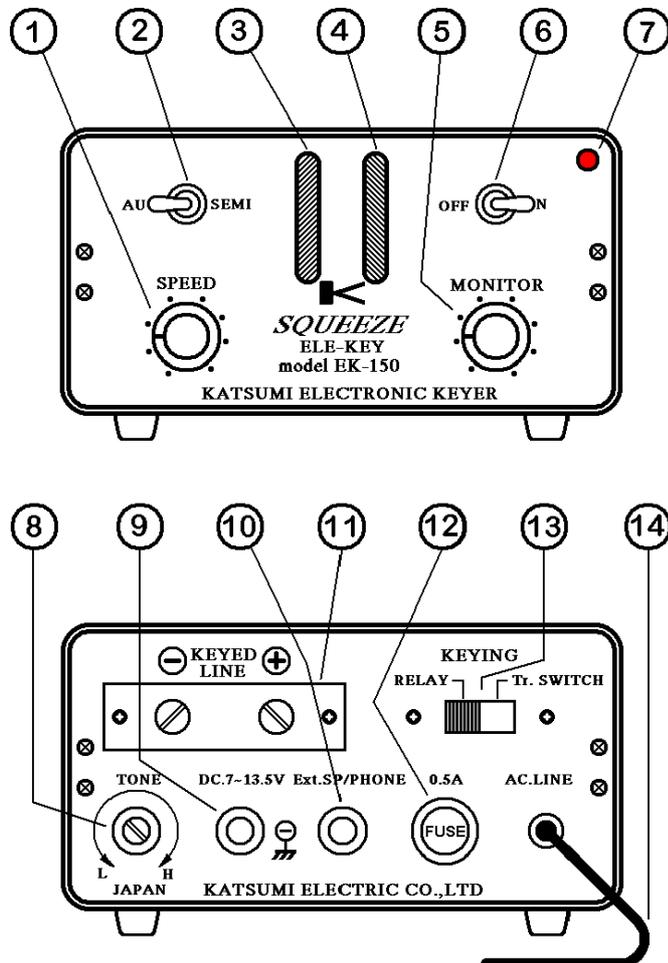
Built-in sidetone with tone and volume control, switch for SEMI(BUG)/AUTO. Built-in speaker, headphone jack.

Heavy duty transistor switch (2SB546) for 150 V, 2 Amp. DC and with a built-in high speed plate relay for max. 700 V, 500 mA any transmitter keying.

Operation on 100 to 120 V/50 – 60 Hz or DC 7 – 13.5 V.

Respectively

Operation on 220 to 240 V/50 – 60 Hz or DC 7 – 13.5 V.



### OPERATION

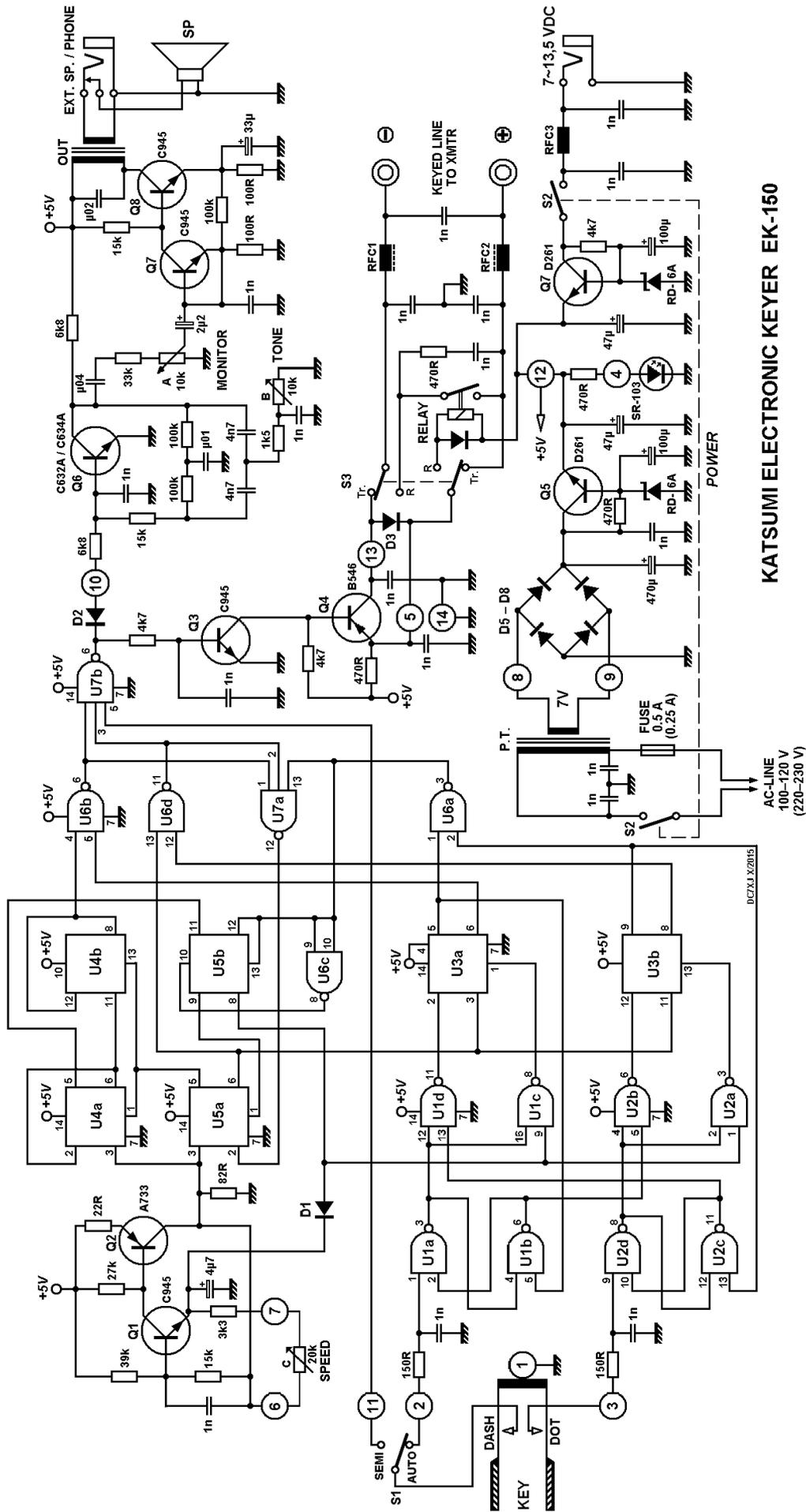
- (1) Check polarity and the required keying voltage and current on your transmitter key terminals, using a tester (voltmeter, milliammeter) the key up (open circuit) voltage must not be in excess of .50 volts D.C.
- (2) Connect the key line (output) **[11]** on the rear panel terminal (+) to the POSITIVE keying terminal of the transmitter, and the (-) to the NEGATIVE terminal, as previously determined by voltmeter test (1).
- (3) Plug in the power cord **[14]** to the 100 to 120 volts resp. 220 to 240 volts, 50 to 60 Hz alternating current supply. Set the power switch **[6]** to the ON position. The pilot lamp **[7]** should light.
- (4) Moving the dual key levers to the dot position (push to the right for **[3]** left key lever) should result in dots being heard from the speaker and moving the dual key lever to the dash position (push to left for **[4]** right key lever) should produce dashes.

- (5) Turn the speed control knob **[1]** to the desired, which may be instantly adjusted within the range of 8 to 60 WPM.
- (6) The monitor knob **[5]** control the volume of the speaker and head phone **[10]**. Adjustable tone control **[8]** (tone L: low, H: high).
- (7) The switch **[2]** on the AUTO position is normal use automatic dot - automatic dash. The SEMI position is automatic dot - manual dash alternate use and transmitter tune.
- (8) Sit back and relax, with the satisfaction that you now have the EK-150 for sending the first CW, and with the closest approach possible to precise machine tape sending.

### **SPECIAL CONDITIONS**

When the voltage and currents are greater than the values recommended in (1) above, various arrangements may employed.

Generally, transmitters utilizing high voltage cathode keying will exceed the voltage given above. These transmitters may be operated by using a built-in relay (Set the KEYING switch **[13]** to RELAY position). Relay keying output is Max. voltage open circuit 700 V, Max. current 500 mA.



KATSUMI ELECTRONIC KEYS EK-150