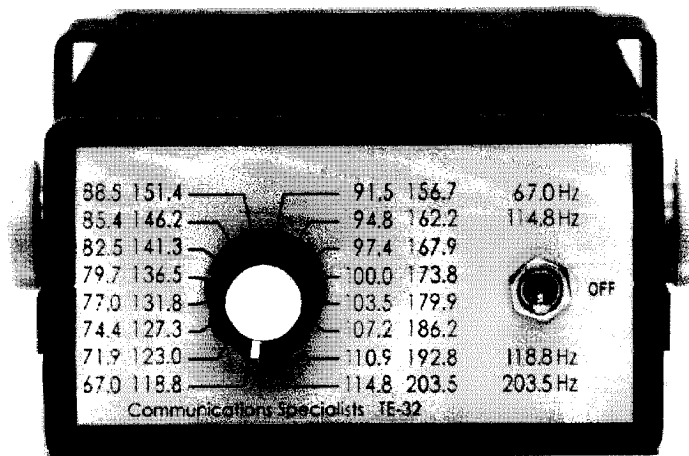# TE-32

Multi-tone CTCSS Encoder

Specifications:

◆ Powered by 6 to 28 vdc, unregulated @ 6.3 ma.

◆ Low impedance (15K), low distortion adjustable sine wave output, 2V peak to peak.

◆ Frequency accuracy ± .025Hz maximum over -30C to +65C temperature range.

◆ Output level flat to within 1.5db over entire range selection.

◆ Start-up time less than 10 ms.

◆ Immune to RF.

$49.95

Features:

◆ Perfect for mobile or test bench applications.

◆ Three foot, 3 conductor shielded cable for radio interface.

◆ Three position range switch, tones 1-16, off, and tones 17-32.

◆ High impact plastic case with mounting bracket (5.25" X 3.3" X 1.7" less bracket).

◆ Full 1 year warranty when returned to the factory for repair.

◆ Immediate 1 day delivery.

TE-32 Supplemental Instruction Sheet

The TE-32 is designed around our model SS-64 CTCSS encoder. All 32 CTCSS tone frequencies are selected by the 16 position rotary switch. Using the three position toggle switch provides 32 CTCSS tone capability.

Low range covers 16 tones from **67.0 Hz to 114.8 Hz**. The low range tone legend on the front faceplate is BLUE. The toggle switch **must** be in the upper position for low range tones.

High range covers 16 tones from **118.8 Hz to 203.5 Hz**. The high range tone legend on the faceplate is RED. The toggle switch **must** be in the lower position for high range tones.

The center position of the toggle switch is off (**NO TONE OUTPUT**). Use it for carrier access systems or whenever you do NOT want to send CTCSS tones.

Radio connection are made via the three foot, three conductor shielded cable. The red colored wire is positive voltage (+V). Black is ground, and white is CTCSS tone output.

Fig.1 shows wiring of the 16 position rotary switch and 3 position toggle switch to the SS-64 CTCSS encoder. Refer to the attached SS-64 instruction sheet for general hook-up information, schematic, and parts list for the SS-64.

NOTE: The Orange and Grey wires looped together inside the box are for the reverse burst option. See SS-64 instruction sheet under **OPTIONAL HOOKUPS** for use.

FIG. 1

The following parts do not appear on the SS-64 instruction sheet:

40-1017	16 position rotary switch	$7.98
40-1023	Three position toggle switch	$3.25
BXK	Box and hanger	$17.95
30-7023	Three foot, three conductor cable	$3.00
36-1007	Knob	$2.50
64-1011	Faceplate	$2.80