

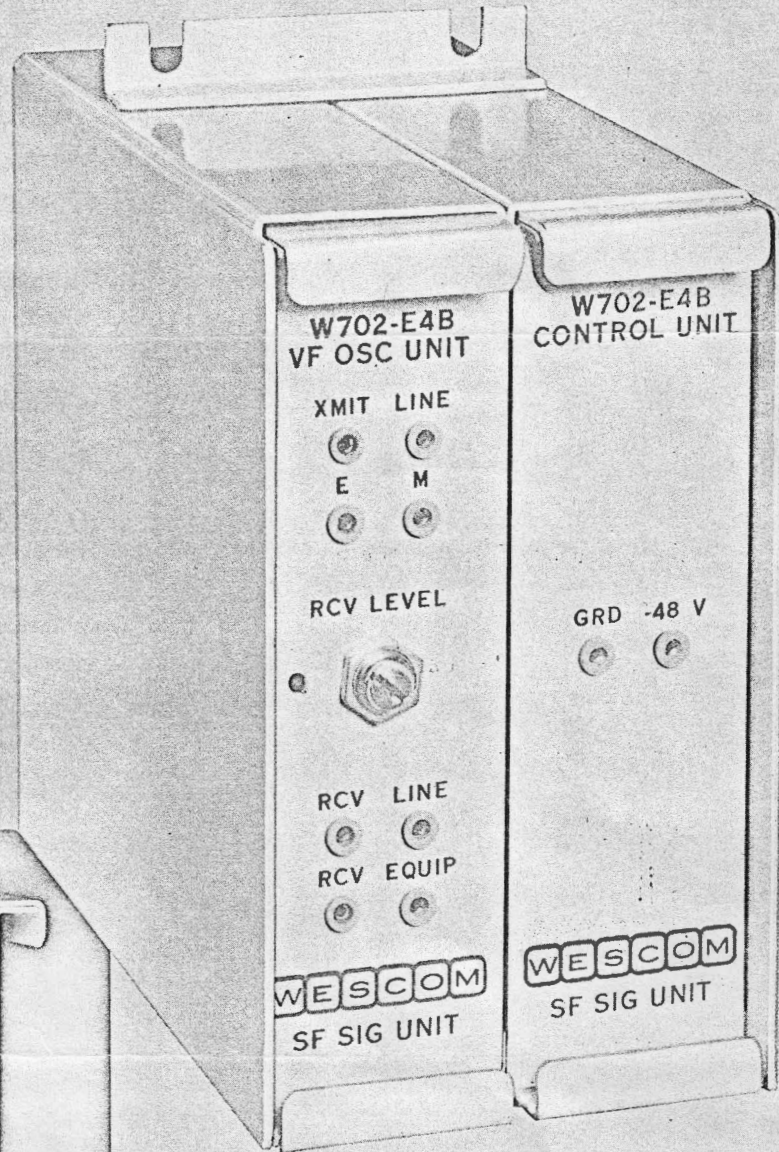
**SYSTEM CONCEPT**

Each W702-E4B package includes a basic E4B type signaling unit with a built-in highly stable 2600 hertz oscillator. All signaling levels, dial speed characteristics, mounting strips and technical literature conform to standard telephone practices.

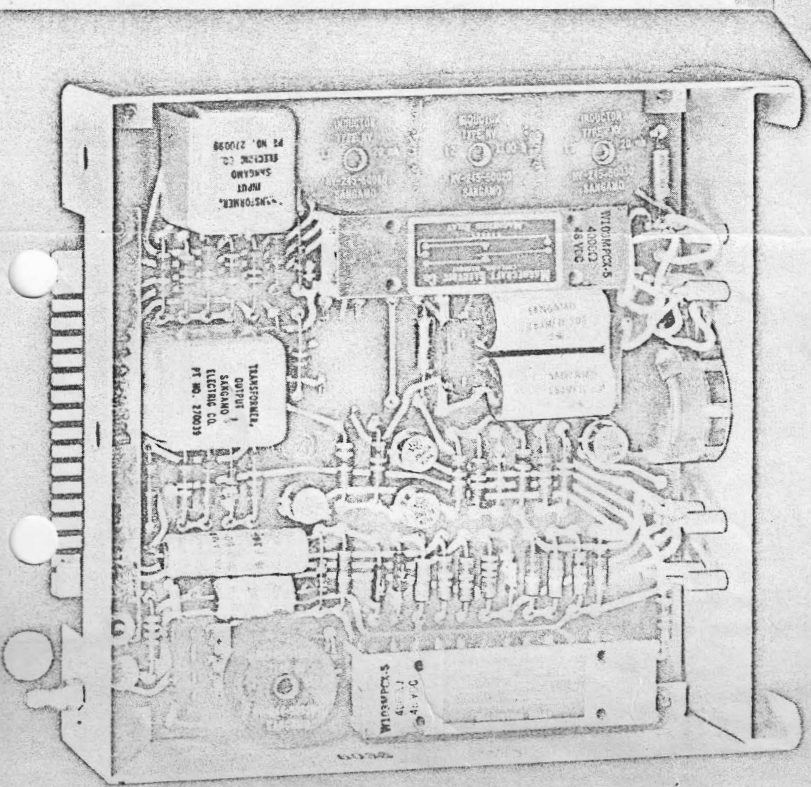
The highly compact unit is designed for either standard apparatus case or relay rack mounting.

**APPLICATION**

Whenever one or more circuits require single frequency signaling, for either physical circuits or low density carrier systems, the Wescom W702-E4B can be proven economically feasible.

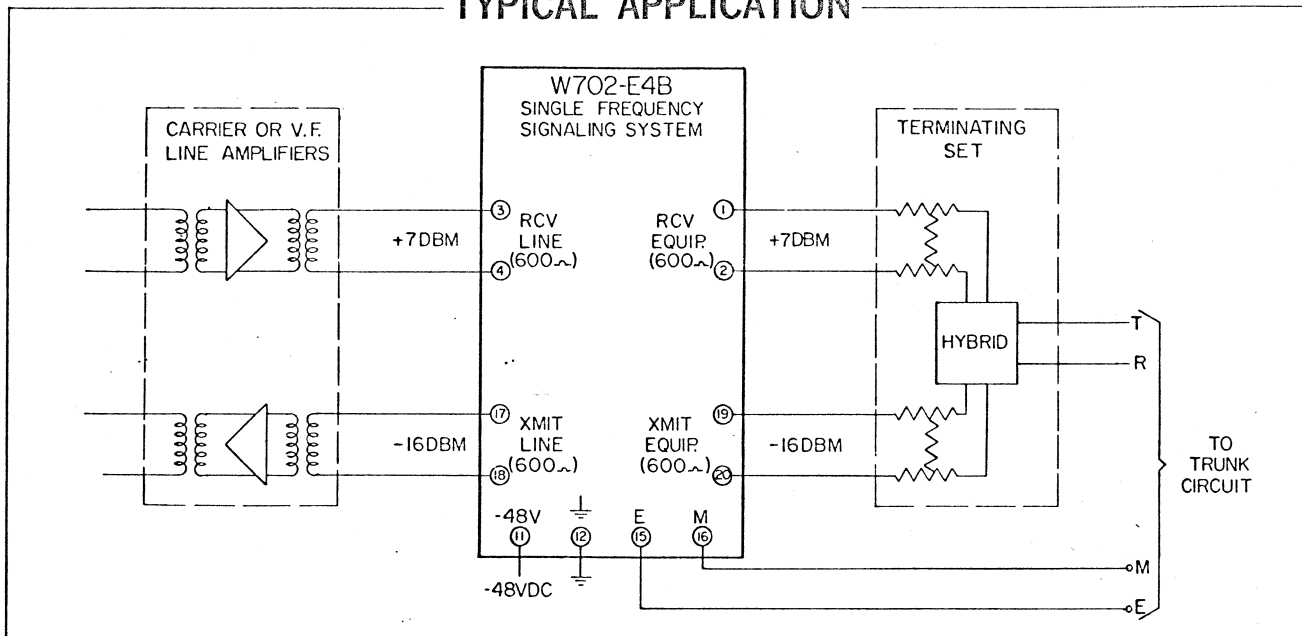


W702-E4B  
SIGNALING SYSTEM



◀ VF-OSC DRAWER

# TYPICAL APPLICATION



## W702-E4B NOMINAL DESIGN SPECIFICATIONS

### Impedances

- Four wire transmit — 600 ohm balanced
- Four wire receive — 600 ohm balanced

### Voice Frequency Test Tone Levels

- Four wire transmit — - 16 or - 13 dbm
- Four wire receive — + 7 or + 4 dbm

### Voice Frequency Response

250 to 10,000 Hz

### Power requirements

60 ma at 48 V.DC. ± 6 V

### Operating Environmental Range

Temperature - 10° c to +65° c  
Humidity to 90%

### Physical Characteristics

Weight — 5 lbs. 5 oz.  
Circuit Cards — Laminated glass epoxy

### Overall Dimensions

6<sup>15</sup>/<sub>16</sub> x 7<sup>5</sup>/<sub>32</sub> x 3<sup>3</sup>/<sub>8</sub>

### Signaling Oscillator

Self contained — 2600 Hz

### Signaling Tone Levels

High Level (Keying) — 24 dbm  
Low Level (Idle) — 36 dbm

### Pulsing Speeds

8 to 15 pulses per second

### Pulse Regeneration at 10 pps

Input: 35 to 78% break  
Output: 58% break

### Signaling Tone Rejection

45 db minimum

### Signal Lead Conditions

On Hook (Idle)  
Off Hook (Busy)

### M Lead

Ground  
-48vdc

### E Lead

Open  
Ground

## ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	APPLICATION
W702-E4B	INBAND SIGNALING SYSTEM	STANDARD E & M
W702/2-E4B	INBAND SIGNALING SYSTEM	AUTOVON E & M



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