

ERICOFON RAPID FOR V.F. Code Signalling and Tone Ringing



ERICOFON RAPID for V.F. Code Signalling

Feeding system

48 Volts 2x200 to 2x400 ohms

60 Volts 2x500 ohms

The maximum line resistance is approximately 1000 ohms at 48 Volts 2x400 ohms.

Frequency schedule

Each symbol is represented by two simultaneous frequencies:

The frequencies are in accordance with CCITT's recommendations.

Frequency tolerance

±1,5% (totally)

Output level

The transmission level per tone at 600 ohms resistive load is:

| | Line current | | |
|--------------------------|--------------|----------|----------|
| | 20 mA | 75 mA | 150 mA |
| The low frequency group | -3 dBm | -7 dBm | -10 dBm |
| the high frequency group | -0.5 dBm | -4.5 dBm | -7.5 dBm |

| High frequency group | | 1209 Hz | 1336 Hz | 1477 Hz |
|----------------------|--------|---------|---------|---------|
| Low frequency group | 697 Hz | 1 | 2 | 3 |
| | 770 Hz | 4 | 5 | 6 |
| | 852 Hz | 7 | 8 | 9 |
| | 941 Hz | * | 0 | □ |

Distortion

Total distortion and intermodulation is at least 20 dB below the fundamental frequencies.

Time condition

The time from when the oscillator is connected (i.e. the time from when the last contact in the contact sequence has reacted to the press of a button) until the output level attains 90% of the final value, is less than 4 ms for both tones when measured individually.

Resistance

The DC-resistance is max 300 ohms

Tone ringing

The ERICOFON RAPID is supplied with electronic tone-signal. The tone ringer is designed for ringing signals of 16 to 50 Hz with voltages of 55 to 125 VRMS.

Starting sensitivity with 1.7 kohm line resistance

55 Volts RMS at 16 Hz

50 Volts RMS at 20 Hz

40 Volts RMS at 50 Hz

Sound pressure (rel. 2×10^{-5} N/m²) measured at receiver:

117 dB ± 2 dB at 50 Volts, 15 Hz

125 dB + 1 dB - 2 dB at 100 Volts, 25 Hz

Type designation

DBJ 023 04/2/2 Red

DBJ 023 04/2/5 Green

DBJ 023 04/2/9 Ivory

Subject to alteration without notice.

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