

## Specifications

<b>AC Power Input</b>	
Voltage	115 ±15 VRMS
Current	0.2 A max
Fuse	1/4A (fast blow)
Frequency	49.5 to 60.5 Hz
<b>Power Dissipation (with ringing generator shorted)</b>	20 VA max
<b>Telephone Line Circuit (Loop Start Operation)</b>	
Voltage (loop start operation)	-24±3 V ref. Ring to Tip; open circuit
<b>Current</b>	
Maximum (Ring and Tip shorted)	68 mA
Minimum (at maximum loop of 250 ohms excluding telephone)	20 mA
<b>Telephone Line Circuit (Ground Start Operation) (See Note 1)</b>	
Tip ground connect	175 ±35 ms after uninterrupted ground (1000 ohms or less) is applied to Ring
Tip ground release	375 ±35 ms after loop opens
Forced connect	
Connects Tip ground upon ringing	
Forced disconnect (See Note 2)	375 ±35 ms after Tip ground has been released from the other line
Maximum current (Ring)	135 mA (Ring grounded)
Maximum current (Tip)	3 mA (Tip ground released)
<b>Ring Source</b>	
Voltage	100 ±10 VAC peak
Current	80 mA max
Frequency (square wave)	20 Hz ±1%
Ringer capacity	3 REN (See Note 5.)
Trip	1000 ohms or less
<b>DTMF Detection</b>	
Frequency	
Accept	±(1.5% ±2 Hz)
Reject	±3.5%
Tone time	40 ms min
Inter digital time	40 ms min
Amplitude	+4 to -18 dBm per frequency and ≤6 dB difference between frequencies
<b>Rotary Detection</b>	
Rate	5 to 23 PPS
Inter digital time	315 ms min
Break time	30.5 ms min
Make time	12.5 ms min
End-of-digit recognition time	95 ms min
<b>Loop Current Detect (See Note 3)</b>	
On-hook detect	300 ms ±20 ms
Off-hook detect	100 ms ±20 ms

