

## 2.4 Technical Specifications

**Table 1: Electrical Specifications for Model 751323**  
(measured at 25°C or 77°F, 50% R.H.)

Parameter	Specification
<b>Isolation Data:</b> Metallic Surge	1.5 kV max
Insulation Voltage	50 kV <sub>rms</sub> (70 kV peak)
Isolation Resistance	100,000 MΩ
<b>Input Voltage Requirement:</b>	-24 Vdc (-21 V to -27 V) default to -48 Vdc (-42 V to -54 V)
<b>Input Power Requirement:</b> Ringing one phone	130 mA @ -24 Vdc
	95 mA @ -48 Vdc
Idle	55 mA @ -24 Vdc
	35 mA @ -48 Vdc
Off-hook	85 mA @ -24 Vdc
	50 mA @ -48 Vdc
<b>On-hook:</b> Ringing Generator Voltage (20 Hz)	103 V <sub>rms</sub> (no load) 55V <sub>rms</sub> min (5 REN at end of 400 Ω line)
CO Side Input Ringing Detection	40 V to 105 V <sub>rms</sub> , 17 to 50 Hz
<b>Terminal Resistance (CO side)</b> Loop Start Mode	≥ 5 MΩ ± 100 Vdc, ≥ 5 MΩ ± 200 Vdc
Ground Start Mode	≥ 200 kΩ ± 100 Vdc, ≥ 200 kΩ ± 200 Vdc
<b>Off-hook:</b> Minimum Loop Current (CO)	18 mADC
Maximum Loop Current (CO)	Current limiting at 29 mADC
Minimum Loop Current (Station)	Will detect off-hook down to 16 mADC
Maximum Loop Current (Station)	Current limiting at 36 mADC
Insertion Loss (both directions)	≤ 1dB @ 1kHz, 600 Ω
Frequency Response (both directions)	≤ 3 dB ref to 1kHz
Echo Return Loss (ERL)	600 Ω ≥ 15 dB
Singing Return Loss (SRL)	600 Ω ≥ 9 dB

**Table 2: Physical Specifications for Model 751323**

Parameter	Specification
<b>Operating Temperature Range</b>	-40°C to +85°C (-40°F to +185°F)
<b>Height</b>	30.5 cm (12")
<b>Width</b>	5.1 cm (2")
<b>Depth</b>	18.9 cm (7-7/16")
<b>Weight</b>	0.7 kg (1.5 lbs)