

Announcement Appliance AA-4860

Technical Specifications

Enclosure

Acrylonitrile Butadiene Styrene (ABS) plastic, 50 mm x 110 mm x 80 mm

Connector

RJ12: For standard POTS telephone line/PABX analogue extension, centre pair pins 3 and 4.

Indicator

Green LED: Operating, off hook recording or playing

Interface

Standard POTS interface: two wire analogue ring in/loop out, independent of line polarity

Terminating impedance: Complex 820 Ω in parallel with 120 nF in series with 220 Ω , 600 Ω optional.

Loop Voltage: 10 V

Off Hook operating current: 20-100 mA

On Hook resistance: 1M Ω

Ring sensitivity: 20 V RMS 100 ms min

R.E.N.: 0.1

Impedance balance: >50dB, 50 - 3400 Hz

Return loss: >20dB, 300 - 3400 Hz

Audio (at connector)

Record level: \leq 500 mV p-p before clipping

Frequency range: 300 - 3.4 kHz

Record to playback gain: 10 dBV

Max output level: < 4V p-p across 600 Ω and complex loads

Record Start Tone frequency: 870 Hz, -10 dBm

Record Start Tone duration: 300 ms

Message Storage

Method: Electronic non-volatile

Duration: Up to 8 minutes

Retention period: 100 years

Record cycles: 100,000 min

DTMF Receiver

Input level: -34 to -4 dBm

Twist: +/- 8dB

Frequency deviation accept: +/-1.5%

Frequency deviation reject: +/-3.5%

Noise tolerance: -12dB

Tone length: >40 ms

Tone pause: >40 ms

Operating Conditions

Temperature: -10 \rightarrow 55 $^{\circ}$ C

Power supply: no external power supply needed, telephone line powered.

Programming

Control: DTMF signaling

Security: PIN protected

Compliance

Electrical Safety: ACA TS001 (incorporating AS 3260), AS/NZS 60950:2000 (IEC 60950:1999)

EMI/EMC: AS/NZS3548 Class B, EN55022/CISPR22 and EN55024/CISPR24

Analogue Interworking, Non-interference, and Transmission: ACA TS002, ACA TS004

Testing Authorities: National Association of Testing Authorities Australia (NATA) Registration numbers:
3041 and 3540

Complies with ACA, NZ Telepermit, FCC and CE requirements



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