

# ***Gold Line Connector, Inc.***

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Specifications For Model **APT2**

**PRODUCT DESCRIPTION:** Determines the absolute polarity/phase of any part of a speaker system. Polarity/Phase Detector (APT) and Pulse Generator (PG) are supplied as separate units.

**INPUTS:** PG - None

APT - 1/4" Phone jack - auxiliary microphone input - impedance 20k $\Omega$

**OUTPUTS:** PG - 1/4" Phone jack - to drive loudspeaker directly - impedance 4-16 $\Omega$

1/4" Phone jack - to drive amplifier directly - impedance 50 $\Omega$

APT - None

**APT MICROPHONE:** Built-in omnidirectional electret condenser.

**REQUIRED ACOUSTIC LEVEL AT APT:** 70dBc to >110dBc.

**APT DISPLAY:** Single LED for positive-going pulse polarity. 300 ms ON duration.

Single LED for negative-going pulse polarity. 300 ms ON duration.

**PG DISPLAY:** Single LED positive-going pulse with 1 s repetition rate.

**PG LINE PULSE OUTPUT:** Amplitude: 0.4 V peak typical.

Rise time: <100  $\mu$ s.

Fall time: 40 ms typical.

Duty factor: 0.3% typical.

Battery drain: 1.1mA average.

**PG SPEAKER PULSE OUTPUT:** Amplitude: 6.5 V peak (14 watts) to 4 $\Omega$  loudspeaker.

Rise time: <100  $\mu$ s.

Fall time: 1.5 ms typical.

Duty factor: 0.15% typical.

Battery drain: 3.2mA with 4 $\Omega$  loudspeaker.

**POWER REQUIREMENTS:** PG - 9V battery

APT - 9V battery

**SIZE (W x H x D); WEIGHT:** PG - 3" x 5 1/2" x 1-3/4"; 7 oz.

APT - 3" x 5 1/2" x 1-3/4"; 7 oz.

**CASE MATERIAL:** High impact ABS

rev 8/27/96