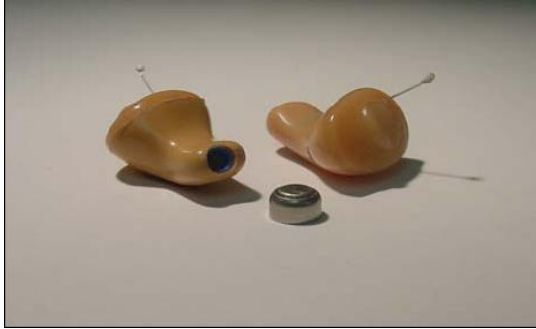




**Colsan manufacture a wide range of miniature Digital and Analogue in-ear-canal inductive receivers for use with security and public safety applications as well as for broadcast presenters. All are fitted with a removable wax guard and supplied with 15 spare filters and a removal/insertion tool.**



### **Features**

- Accurate Anatomic Profile
- Miniature Physical Size
- Excellent Intelligibility
- Disposable Wax Guard System

### **Applications**

- Security Forces Covert Operations
- Broadcast Presenters
- Public Safety
- Store Guards

Measurement Conditions: Ambient Temperature: 25°C Supply Voltage: 1.4VDC Response measured using a 10mm x 2mm tube into a 2cm<sup>3</sup> coupler (IEC118-1) In situations that require the highest level of discretion and for long-term users we can offer custom fitted versions.

Frequency Range 300 - 5000Hz IEC118-1 (Testing method for Devices with Inductive Inputs)  
Distortion Less than 3%

Receiver Magnetic

Maximum Output Sound Pressure Level 120 dB  $\pm$ 2dB

Battery 1.4VDC A10 Zinc Air or Equivalent

Minimum Operating Voltage 1.1VDC

Typical Battery Life (A10 Zinc Air) >80 Hours depending on use

Sensitivity 78dB@2kHz - 10mA/M

Amplifier Customised hybrid

Weight (including battery) 1.5 grams

Wax Filter Type Replaceable Mesh Filter

Operating Temperature Range -10°C to 40C

CE Conformity 89/336/EEG-Electromagnetic Compatibility

### **General Specifications**

A range of inductively coupled wireless earphone for covert security applications as well as broadcast presenters. These devices have a well defined generic anatomical profile to combine discretion and comfort and are designed to provide a good audio intelligibility. Two profiles are available – standard and sub-miniature; both types offer identical technical performance. The earpiece incorporates an auto-off (squelch) system that silences the earphone when the signal is present. This can be helpful when working in areas where there may be electromagnetic interference. The earphones have a replaceable wax guard system to eliminate problems caused by ear wax. A range of inductive neck loops and inductor packs are also available for these products.

#### **Colsan Microelectronics Ltd,**

Unit 1 Ancells Court, Rye Close, Ancells Business Park, Fleet, Hampshire, GU51 2UY, England  
Tel. No.:+44(0)870-7706612, Fax No.:+44(0)870-7706613. email:sales@colsanmicro.com