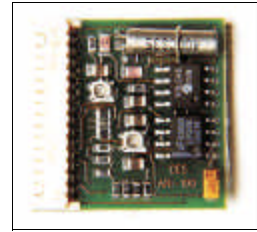


ARi-100 Miniature ANI/Status Module

Features

- Complete ANI or Status Alarm Encoding Unit
- Sub-miniature Size 24 x 20 x 6.5 mm
- Low Power Consumption
- Radio Wiring harness with inter connector
- DTMF, 5- Tone Sequential, Hexadecimal or User definable Tone Frequency programmable
- Up to 15 ID digits programmable
- Up to 2 Status digits programmable
- Conventional or Trunking Compatible
- Three Auxiliary Inputs, One Emergency Input
- Double click PTT for 'request to talk' transmission
- Speaker Enable Output
- Microphone Mute Output
- Alert Tone Output
- Polarity Programmable for Control Inputs/Outputs
- Busy Channel Lock-out
- Leading, Random or Trailing ANI
- ANI Random Time programmable
- Transmit Time Out Timer and Alert
- Tone time and inter time programmable
- Lead In Delay programmable
- Windows 98™ Programming Software



Introduction

The ARi-100 sub-miniature Automatic Number Identification (ANI) and Status encoder is the perfect solution for bringing your radio system under control. The ARi-100 is packed with a barrage of features in a sub-miniature package, allowing flexibility with system design and configuration.

The unit is one of a range of CES products making up our ARIS (Automatic Radio Identification and Status) group of products which offers a complete, multi functional system for radio identification, remote monitoring, alarm and control applications. It represents one of the most advanced development programs ever undertaken for a product of this type. The result is an encoder unmatched for features, programmability and reliability.

The unit fits inside most popular radio transceivers and portables. The device transmits an identity data burst when the mobile/portable "press to talk" switch, emergency input, or any of three other selected inputs is activated. This short data burst is decoded by the CES ARi-195 base console or the the CES Windows 98 software easy-DISPATCH, giving the identity and/or other information to the base operator.

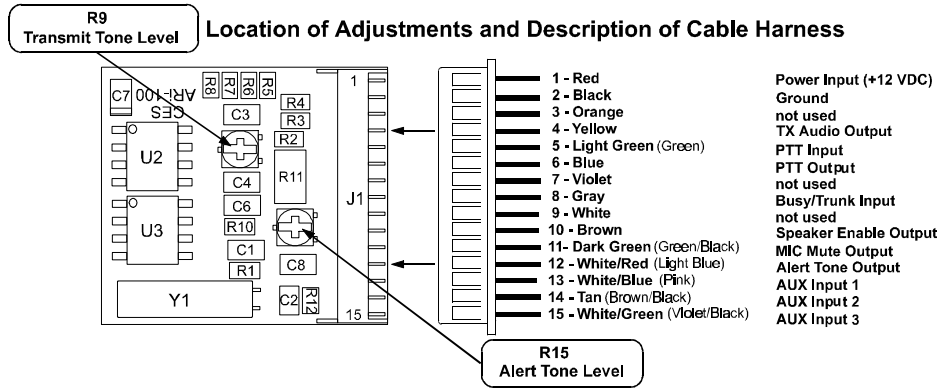
The versatile design of the ARi-100 makes it ideally suitable for existing or new, conventional or trunked, radio systems installations. It is also compatible with existing international 5-6 tone, 'n' Tone, Hexadecimal Sequential (HSC) and DTMF based ANI systems.

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Interface



For operation in a conventional radio system, making use of the Hold-Off Count (ANI only sent once during a pre-determined period) and **autoCALL™** (request to talk double clicking PTT), only four wires are required.

Wire Color	Function	Connect To
Red	Vin	Switched B+ (+6 volts to +17 volts DC)
Black	Ground	Radio Ground
Yellow	TX Audio Output	Modulator with pre-emphasis
Light Green or Green	PTT Input	PTT switch
Blue	PTT Output	PTT input to radio

Specifications

General Dimensions:
0.85W x 0.835H x 0.230D

Weight
0.005lbs

Electrical Voltage
+6 Vdc to +17 Vdc

Operating Temperature
-40° to +85°C

Current
Standby 4mA

Output Impedance
< 1Kohms

Output Audio Level
Adjustable from 0 ~3.5V PP

Ordering

ARi-100	ANI Module
ARi-199P	Programming Hardware
ARi-100S	Windows 98 Programming Software
MAN67	ARi-100 Programming Manual
HRNS01	Cable Harness

Ordering Options

ARi-195e	Base Display Decoder
easy-DISPATCH™	Windows 98 PC Software