



## TS-120

### Multi-Format ANI Encoder with Man-Down/Lone Worker

Midian's TS-120 series is a multi-format ANI encoder and Emergency ANI encoder that supports Man-Down and Lone Worker operation. The Man-Down operation uses an accelerometer to detect motion. If no motion is detected for a programmed amount of time the unit will send the Emergency ANI. The Lone Worker operation expects user interaction with the radio (PTT or Lone Worker Reset) within programmed intervals. If no interaction is detected within this programmed interval the unit will send the Emergency ANI.

- Supports ANI in Motorola's MDC-1200, Kenwood's FleetSync, Harris' G-Star (aka GE-Star), DTMF and 5-Tone
- Plug in versions available for Icom, Kenwood, Motorola and Vertex. Also available in a speaker microphone configuration.
- Requires Midian's KL-4 Programmer



Shown: TS-120-MPP1

## VAE-1

### Voice Alarm Encoder with Man-Down / Lone Worker

Midian's VAE-1 is a voice alarm encoder that supports Man-Down and Lone Worker operation. The VAE-1 can have a voice message stored in it and when the emergency is activated the VAE-1 will transmit an emergency ANI and/or the prerecorded voice message. The following are some common applications:

**Emergency Location and Lone Worker:** The VAE-1 is ideal for providing voice location messages for Public Safety (firefighters and police) or for lone workers in areas where GPS location is not available. For example, firefighters can store a custom voice message into the VAE-1 as their location changes while fighting a fire in a building. If there is a fire in a ten story building and the firefighter is working on the second floor in room 215, the firefighter can record "Second floor room 215". If the emergency input is activated (by a button press, Man-Down or Lone Worker) the VAE-1 will send the emergency ANI to identify who is in trouble and the voice message will follow to inform the last recorded location. This enables the rescuers to concentrate their search efforts in one area of the building rather than splitting their search efforts between ten stories. Locator tones can also be generated to the radio speaker to provide an audible alert to the searchers.

**Equipment Failure Notification:** The emergency input of the VAE-1 can be connected to equipment such as tower lights or a backup generator, so that when the tower light goes out it can send a voice message stating "Mount Lemmon tower 3 light is off". This warning can be sent periodically multiple times or continuously until reset. For backup power, when the backup is activated a message such as "Backup power is on".

**Emergency Alert:** Public safety dispatchers do not want field radio users to talk on the channel without need during an emergency. The dispatcher can have the VAE-1 send a voice message such as "Emergency alert keep channel clear". This message can be sent periodically until reset.

- Supports ANI in Motorola's MDC-1200, Kenwood's FleetSync, Harris' G-Star (aka GE-Star), DTMF and 5-Tone
- Plug in versions available for Icom, Kenwood, Motorola and Vertex. Also available in a speaker microphone configuration.
- Requires Midian's KL-4 Programmer



Shown: VAE-1-VX1



Shown: VAE-1-SM1