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## ***Model RMT “VISOR” Vehicle Identification System on Radio***

### **VISOR DESCRIPTION**

The VISOR units are transceivers that may be installed in the vehicle or can be used as a handheld tracking unit to locate PRIM's. They have a keypad for entering the operator's employee number and a LCD alphanumeric display. The units may be connected to the vehicle electrical system for power and to detect when the engine is turned on or off. This allows for the ID number of the operator. The LCD display will automatically indicate the following status:



- Listening for a RINC Node
- Acknowledge RINC contact by sending ID packet
- Receive acknowledgement of logging by the RINC
- With interface to a AMS system, Visor can be used to control diesel traffic into a two-entry longwall system. Optionally the RINC can control a traffic light controlling entry by “RED” traffic light stays on and the VISOR display shows “WAIT”. When sufficient air is available the light will change to “GREEN” and the VISOR display shows “ALLOWED”.
- When a VISOR is located within receiving distance of a RINC, they will exchange information and the VISOR will display status accordingly. While parked at the working place the VISOR will display “PARKED” if the engine is switched to off. A button on the VISOR must be pushed to request permission to start.
- In case of emergency, the Visor, with a self-contained contained rechargeable battery can be placed with oxygen caches permitting text communications with a RINC lowered down a bore hole.
- The VISOR display will also show the signal strength and status of any PRIM's within range. Could be useful in locating lost or trapped miners