

## AUDIO VISUAL ALARM

### MODEL – “ E 05 ”

Size of the Dumper and other Heavy Earth Moving Machinery (H.E.M.M.) is so big that it is impossible for the operator to see the back side of the vehicle so that he could alert, any person, standing behind. Therefore in order to avoid accident during reversing, a safety device alarm with sound and visual indicator to the person, who is standing behind the vehicle, is needed.



Director General Mines Safety has also observed that the maximum number of fatal accidents occur during reversing of Surface Transport Machineries in open cast mines, and to reduce accidents vide their circular no. / 04 of 2008". made it compulsory to install Audio Visual Alarm in every H.E.M.M. & Surface Transportation Machineries used in Mines. This Audio Visual Alarm meets all the standard and specification laid down by DGMS.

### TECHNICAL SPECIFICATION

|            |  |
|------------|--|
| AUDIO      | Dual Pizo-Buzzer, while reversing, delivering Alarm of 110 dB (measured at a distance of 1.2 meter distance). Two buzzer's are arranged in such a way that if any fault occurs in one buzzer, other will work without any interface.   |
| VISUAL     | Bright focus type Red LED (24 nos. of 5 mm size) blinks continuously while Reversing, emitting uniform light of 150 Lux. brightness.   |
| VOLTAGE    | Operates ideally on 24 Volt D.C. and 12 Volt D.C.  |
| CURRENT    | The maximum Current consumption is 150 mA  |
| PROTECTION | The electronic circuits and buzzers are totally sealed by epoxy resin, so that nothing can enter in it. Our Audio Visual Alarm is 100% Water Proof ( Equivalent to IP67 K ) . It even works after totally immersed in water. It does not have free space to accumulate ingress dust water into its encloser. |
| TIMER      | To reduce the noise pollution and also to protect the smart alarm, 2.5 minutes timer is provided which shut off alarm automatically (as per DGMS requirements).  |
| DIMENSION  | Length-154 mm, Height-82 mm and Depth-75 mm.   |
| WEIGHT     | 750 gms. approx.   |
| ENCLOSURE  | Polycarbonate and M.S. sheet   |