

# 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. 1 04 of 2008". made it compulsory to instal 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	Duel 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 1 50 Lux. brightness.
VOLTAGE	Operates ideally on 24 Volt D.C. and 12 Volt D.C.
CURRENT	The maximum Current consumption is 1 50 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. 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