

“E 04” SEAT BELT WITH REMINDER (Mfgd. As per DGMS Guidelines)

A seat belt is a safety device used to secure the operator of a vehicle against a collision or a sudden stop. A seat belt functions to reduce causality or serious injury. It is provided with covered spring loaded reel and an inertial locking mechanism.

Salient Features :

1. Seat Belt with covered inertial Reel :

Our Seat Belt is rolled on the spring loaded reel so that it can be pulled, slowly and gradually, when the operator is to fasten it. It will lock if pulled fast. The seat Belt is rolled on the reel, which is properly covered when not in use.



2. Function :

The belt can be pulled from the reel slowly and gradually, when the occupant extends the belt to fasten it. A sudden rapid pull of the belt - as in a sudden braking or collision event - causes the reel to lock, restraining the occupant in position. The vehicle occupant can move around with relative freedom while the spring tension of the reel keeps the belt taut against the occupant. When the pendulum swings away from its normal plumb position due to sudden deceleration or rollover, a pawl is engaged, the reel locks and the strap restrains the belted occupant in position.

As per DGMS Circular No. 05 of 2010, 'Seat Belt Reminder' is necessary in every Vehicle deployed in mining area. Providing Seat Belt in the vehicle is not sufficient. Operator should also fasten it. If he forgets, a REMINDER with Visual indicator should be provided to remind him.



SEAT BELT WITH REMINDER: Enercon Systems has developed equipment named as "Seat Belt Reminder" which serve this purpose. If Operator forgets or does not fasten it, "Seat Belt Reminder" alert him with Visual LED flash indicator and also remind him in “BEEP” sound.

This process of reminding driver continue till either driver fasten the seat belt or he mute the equipment by pressing a button provided for this purpose, In the seat belt reminder a button is provided, through which it can be mute or reset. With ignition off or belt is removed the equipment is reset automatically.

Technical Specification of Seat Belt Reminder (Model : E 04)

Functions	If operator forgets or does not fasten Seat Belt a REMINDER alert him with Visual indicator and also remind him in “BEEP” sound.
Protection	Withstand shocks & vibrations of heavy vehicles, Its electronic circuits and Speaker are sealed with the chemicals so that nothing can enter in it.
Voltage	It operates on 24 Volts DC, (Optional 12 Volts DC also available)
Current	The maximum current consumption is 120 mA.
Facility to mute	In the seat belt reminder a button is provided, through which it can be mute or reset