

Damper Mechanical Interlocking Device

This damper mechanical interlocking device is a manually controlled, non-pressure balance damper interlock. It is designed for use in coal mines to ensure the safe and coordinated operation of dampers.



ADDITIONAL IMAGES



Overview

Advanced Mine Ventilation Interlocking

The FMBS-B type mechanical interlocking device is a specialized safety solution designed for coal mine ventilation systems. It ensures that when one damper is opened, the associated damper remains securely locked, preventing air pressure loss and maintaining critical ventilation integrity. This manually controlled, non-pressure balance system is engineered for reliability in harsh underground environments.

Technical Specifications



Close-up of the FMBS-B mechanical interlocking unit designed for precise damper control.

Control Method

Manual Control • Mechanical Interlock

Model Type

FMBS-A/B

Unit Weight

25 Kg

Key Features

Performance Benefits

- Low opening force independent of roadway wind pressure
- Automatic closing functionality after passage of personnel or vehicles
- Bi-directional sealing to minimize air leakage
- Smooth opening and closing without impact shock
- High safety and reliability for underground operations

Operational Highlights

2 Qty

Interlocked Doors

0 Pa

Pressure Impact

Application



The robust mechanical interlock prevents simultaneous opening of dampers to maintain airflow balance.

Primary Application

Installed between two dampers in coal mine intake and return air lanes to achieve interlocking safety.

Suitable Environments

Coal Mines, Underground Roadways, Auxiliary Transportation Systems, Ventilation Control