

# GD-15K

## PARACHUTE GROUND DISCONNECT

The Parachute Ground Disconnect is a mechanism that separates the parachute from its cargo upon delivery. This eliminates the possibility of the cargo being dragged or tipped in high winds and/or adverse weather conditions.

The mechanism is designed to release its cargo when it senses reduction in the suspended weight of the cargo upon ground impact. The Airborne Systems GD-15K releases the load before the tension in the parachute lines reaches zero which enables drops in high wind conditions.

To prevent premature release during the parachute deployment phase a user-adjusted 10 to 20 second timer is set (the time delay allows for the parachute and cargo to stabilize). Once the timer stops, the unit is armed and sensing mechanisms are activated.

The rugged features, reliability, and most importantly, the purely mechanical inner workings (no pyrotechnics or electronics involved) make the Airborne Systems GD-15K (for weights from 2,200 up to 15,000 lbs) the superior choice for ground disconnects.

### ADDITIONAL FEATURES

#### *Rapid, easy rigging*

No requirements for specialized connection hardware.

#### *Simple to use*

Set the timer and the unit is ready to go. Reset the timer and close the jaw to prepare for another deployment.

#### *Water and corrosion resistant*

Metal construction and sealed design prevent water and corrosive agents from contacting mechanical parts

#### *Reliable and rugged*

Meets in-service requirements for acceleration, vibration, shock, sand, and dust as well as temperature extremes.

#### *Maintenance*

No regular repair or overhaul required.

#### *Unlimited shelf life*

The 100% mechanical operation means no batteries to replace, fluid to refill, or pyrotechnics to re-certify. Just blow with compressed air and wipe clean for storage.



#### *Weight*

20 lbs/9.0 kg

#### *Maintenance*

All parts used in manufacturing are made of bronze and stainless steel

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