DRONE RESCUE SYSTEMS – DRS-10

HIGHLIGHTS

- Designed for drones with a Take-off weight between 5-10kg
- Protects the drone and its expensive equipment
- Transport & Travel: Easy to ship – non dangerous good
- Autonomous crash detection
- No pyrotechnics or CO2 bullets: The system works with a catpult mechanism
- The DRS system can easily and fast be attached and detached due to the mechansim
- No extra battery needed for the system, but works redundantly in case of a drone power loss

SPECIFICATION

- Total Weight 315 g / 0,69 lbs
- Dimensions 130x75mm
- Ready to fly & start the system within seconds
- Drop Rate: Between 3 and 5 m/sec
- Special Features
- Exchange of the parachute possible for the pilot
- No extra battery needed for the system, but works redundantly in case of a drone power loss
- Compatible with all known DJI extensions
- Compatible with PX4 and Autherion
- Geofancing function prevents you from a Fly-Away [OPTIONAL]
- Hand transmitter for manual

INTERFACES

- Pixhawk (MAVLink) - Interface
- Custom Serial Interface
- DJI-API-Interface
- PWM / Digital Interface
- Power Cut-off

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DRONE RESCUE SYSTEMS – DRS-10

315g / 0,69
Total weight

Autonomous
Crash Detection

Reusable
very fast

Fast & Easy Installation
due to
Bayonett lock

Specially developed
MTOW
between
5-15kg

Acoustical Signal
as a warning

NO CO2 or PYROTECHNIC
instead a CATAPULT MECHANISM

NO extra battery needed
still works in a power failure

Easy to travel and ship
It is a non dangerous good

DETAILS

THIS PARACHUTE SAFETY SYSTEM IS AN INDISPENSABLE EQUIPMENT FOR A SAFE AND PROFESSIONAL USE OF DRONES

The DRS-10 was especially developed for drones with a MTOW (Maximum Take-off weight) between 5-10kg.

The product was developed by Drone Rescue Systems, a European company that was awarded with the European Satellite Navigation Competition award 2016, by the European Space Agency.

The DRS system detects problems and malfunctions due to its own electronics and intelligent algorithm and is working independently of the drone itself. The crash detection works autonomously, even during a total malfunction of the drone. In case of a parachute ejection, all motors are getting stopped.

In case of emergency, the drone lands slowly and safely on the ground. Expensive equipment of the drone and bystanders on the ground are safer due to the parachute solution.

An acoustical and visual signal help to warn people on the ground when the drone is coming down with the parachute, and give an indicator to the pilot as well regarding the functionality of the system. Due to a Blackbox function, all relevant data are stored in real time to analyze a crash.

The system uses a patented catapult mechanism to eject the parachute – no pyrotechnics or CO2. This makes it easier to ship the system as well.

Due to collaboration with insurance companies, better insurance policies are possible in most countries.

To transport the system, the DRS-10 solution can be easily shipped, as it is not labelled as so called dangerous good, as it does not include any kind of pyrotechnics or ballistics.

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