

WISAD — WATER INITIATED SENSING AERIAL DISCONNECT

User maintained and refurbished, designed for use on boats and equipment being air dropped into water, the WISAD releases the cargo parachutes from the load on water entry, even in strong winds, thereby ensuring boats are not pulled over or equipment dragged by the inflated parachutes.

- Shock and vibration tested for use on C-130 aircraft
- Driving rain tested to ensure premature release does not occur
- Utilises existing proven water sensing technology
- Mechanical operation, no pyrotechnics or electronics
- No special skills require for rigging or maintenance
- Re-usable following minimal maintenance by the user unit
- Low cost refurbishment consumable pack (Fig 1) consists of:
 - Water sensors (x8)
 - Cables (x4)
 - Sensor Protection Sock (x4)
 - Retaining pin
 - Cable tie short (x8)
 - Cable tie long (x4)



Fig 1: WISAD refurbishment consumable pack (single disconnect worth of equipment illustrated).



Fig 2: Boat set of 4 WISAD assemblies.

FULL ASSEMBLY ILLUSTRATED IN (FIG 2).

TECHNICAL SPECIFICATION

Maximum surface wind speed	30 knots
Weight disconnect body	7kg
Weight actuator	1kg
Length disconnect body	628mm
Release time on water entry	1 to 1.5 seconds
Maximum load per disconnect	120kN
Actuation load	0 to 100kN
Operation water temperature	-2°C to 36°C
Operates in water salinity	0% to 3.8%

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