

Safe

Lightweight

Durable

Applicable Models: DJI FC30

Automated airburst deployment for safe, precise, and efficient fire suppression.

Applications



Wildfire Suppression

Provides precise aerial dispersal of water-based or dry powder agents over flames in forested areas for rapid containment.



Structural Fire Response

Supports high-altitude deployment to protect buildings, industrial complexes, and urban environments.



Industrial & Chemical Fire Control Delivery

Enables controlled airburst deployment in hazardous zones, reducing risk to personnel.



Emergency Response

Quickly delivers extinguishing agents to hard-to-reach areas during natural disasters or large-scale fire incidents.

Specification

Laser Range Calibration Device

- Equipped with a laser ranging radar module to calibrate the explosion height of the fire extinguishing bomb.
- Signal Output Ports: 4 channels.
- Charging Function:
- Automatically charges the fire extinguishing bomb when the height is above 5 m.
- Automatically discharges when the height drops below 5 m to ensure safe loading and unloading.
- LED Status Indicator: Multi-color light signals allow users to check the main unit's status at a glance.

Handheld Monitoring Terminal

- Displays the fire extinguishing bomb's altitude and status: No Device / Not Charged / Charging / Ready / Releasing.
- Allows manual adjustment of the base fire height to set the optimal airburst height according to different flame conditions.
- Allows manual adjustment of the bomb's drop height to compensate for deviations between laser ranging and barometric altitude measurements, ensuring precise airburst deployment.

Fire Extinguishing Bomb

- Filling Material: Water-based / Dry powder
- Filling Capacity: 9 L (water-based) / 10 kg (dry powder)
- Total Weight: 10.5 kg (water-based) / 11.5 kg (dry powder)
- Height: 400 mm
- Diameter: 200 mm
- Automatic Altitude Control: Airburst 3–5 m above the flame
- Dispersion Area: 40–80 m²
- Dispersion Radius: ≥ 5 m



Contact Us:

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Quick

Flexible

Stability

C.TPTX-FC30-SYS Airburst Fire extinguishing system



The C.TPTX-FC30-sys The Airburst Fire Extinguishing System integrates a laser range calibration device, a handheld monitoring terminal, and the fire extinguishing bomb into a compact, automated aerial solution. It precisely detonates 3–5 m above flames for wide-area coverage, ensures safe loading and unloading, and allows manual adjustment for varying fire conditions. Durable, reliable, and versatile, it delivers rapid and efficient fire suppression.

Key Features:

- Automatic Altitude Control – Detonates 3–5 m above flames for optimal coverage.
- Laser Ranging Calibration – Ensures precise airburst height.
- Handheld Monitoring – Displays bomb height and status, supports manual adjustments.
- Safe Loading & Unloading – Automatic charge/discharge for operational safety.
- Wide Dispersion Area – Covers 40–80 m², radius ≥ 5 m.
- Durable Construction – PC+ABS composite shell for impact resistance.
- Versatile Filling – Compatible with water-based or dry powder agents.

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