



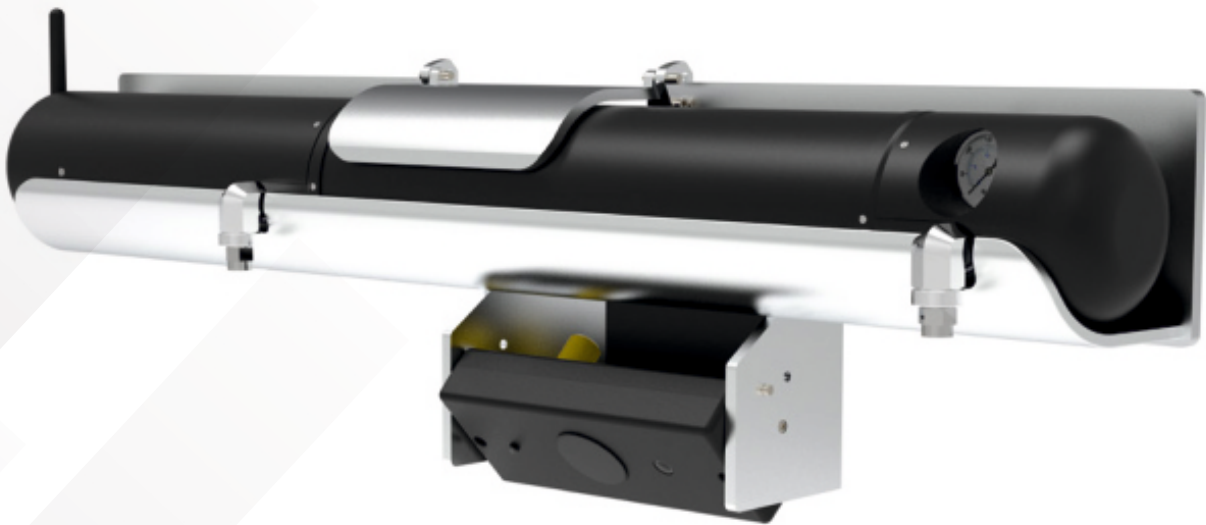
THE FIRE KNIGHT

COMODO SERIES

Welcome to The Fire Knight
Your Trusted Fire Protection Company

Your safety is our priority

Intelligent Fire Detection





THE FIRE KNIGHT

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COMODO SERIES

**Compact.
Powerful.
Reliable.**

The Comodo is a compact, self-contained fire detection and suppression system designed for confined spaces and high-value assets. Whether installed in RVs, marine vessels, small storage areas, or heritage buildings, Comodo delivers fast, targeted fire protection without the need for plumbing or complex wiring.

Fast, Intelligent Fire Detection

Using advanced flame and rate-of-rise heat sensors, Comodo identifies fire threats in the earliest stages. The integrated camera captures an image when a threat is detected, providing valuable visual verification before activation. This allows the system to confirm a real fire before discharge, reducing false activations and improving situational awareness.



Visual Verification

- ✓ Captures a still image the moment a fire is detected.
- ✓ Provides evidence for insurance and investigation purposes.
- ✓ Helps owners quickly assess the situation, even if off-site.



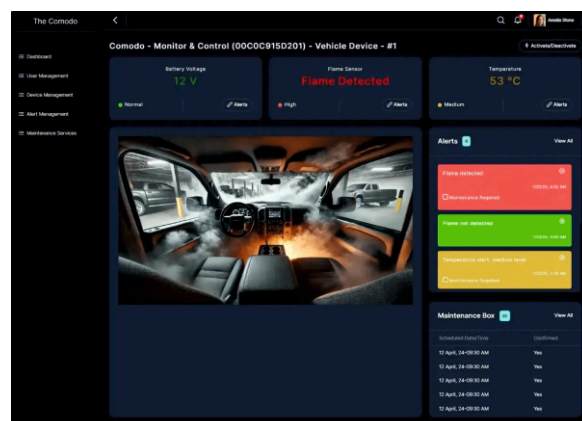
Automatic or Manual Activation

Automatic Mode:

Fires are detected, confirmed, and suppressed without human intervention.

Emergency Manual Mode:

In urgent situations, the Comodo can be removed from its wall bracket, aimed at the fire, and discharged using the built-in activation button at the end of the cylinder.



Smart Mounting & Nozzle Flexibility

Each Comodo includes a purpose-built wall mounting bracket that securely holds the cylinder and the adjustable sensor module.

A 90° pipe fitting is included, allowing the installer to easily change to a downward spray configuration without rotating the cylinder.

The sensor module is mounted on a 90° adjustable bracket, making it easy to set for either outward or downward coverage.

Note: Coverage area will vary depending on mounting height, nozzle orientation, and installation environment.

Real-Time Alerts & Remote Control

Comodo connects to The Fire Knight's cloud-based software via GSM, sending instant alerts for:



Fire detection

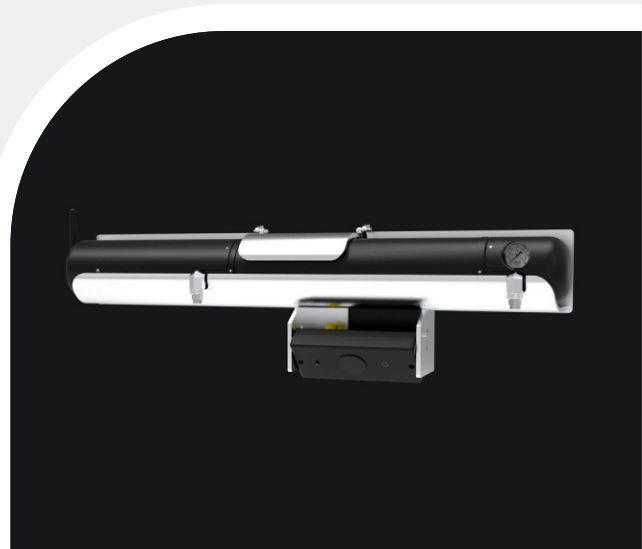


Low battery



Fault or connectivity issues

Users can trigger the system remotely, check live system status, and review event history through the mobile app or desktop dashboard. Optional integration with a 24-hour command centre ensures real-time monitoring and rapid response in critical situations.



Smart Fire Management

The Comodo integrates seamlessly with The Fire Knight's secure cloud platform, accessible via both mobile app and desktop interface.

- Monitor system health in real time.
- View detailed event logs and suppression history.
- Receive instant alerts via app, SMS, or email.
- Remotely update system firmware to ensure optimal performance.



Built to Last

- ✓ Marine-grade stainless steel construction for maximum durability.
- ✓ Rechargeable battery backup for uninterrupted protection.
- ✓ Designed for extreme conditions, operating from -20°C to $+60^{\circ}\text{C}$.





Where Comodo Excels

RVs & Motorhomes

Living spaces, kitchens, battery compartments

Marine Vessels

Engine rooms, control panels

Commercial & Retail

Small storage areas, utility rooms

Special Environments

Museums, display cases, heritage buildings

Industrial

Small machinery enclosures, equipment rooms

Available Models

Available in three sizes to suit a wide range of compact spaces:

0.5 L

1.0 L

1.8 L

Peace of Mind in a Compact Package

With its combination of intelligent detection, visual verification, versatile mounting, and both automatic and manual activation, Comodo gives you total control over fire safety in small or specialised spaces.

Disclaimer: All specifications, dimensions, weights, and performance figures are approximate and subject to change without notice. Variations may occur due to manufacturing tolerances, installation conditions, and regional approvals. Always confirm final specifications with The Fire Knight before ordering or installation.

COMODO – VEHICLE & EQUIPMENT FIRE SUPPRESSION SYSTEM

OVERVIEW:

The Comodo is a compact, autonomous fire suppression system designed for vehicles, machinery, and enclosed equipment spaces. With dual-sensor detection, rapid activation logic, and precision mist discharge, Comodo delivers fast suppression for high-risk environments. Built from ASME-compliant stainless steel and CE-certified electronics, it is engineered for durability, reliability, and ease of servicing.

FEATURES:

- Dual-sensor detection: Flame + Rate-of-Rise heat
- Activation logic: Flame + RoR 0.5°C/sec (5s) or immediate at 50°C; failsafe override at 60°C
- Camera capture upon detection for incident review
- Real-time alerts via software/app: flame detection, RoR heat, battery level
- Remote manual activation from software/app interface
- Single-use discharge with easy service/refill
- Optional integration with back-to-base monitoring
- Stainless steel cylinder, valves, and nozzles
- Compact design for easy mounting in vehicles, boats, or machinery

Comodo – Technical Specifications

Nomenclature	0.5 L Model	1.0 L Model	1.8 L Model
Agent	Water-based suppressant, pressurised with nitrogen or compressed air. Recommended use: F500 Encapsulator – suitable for Class A, Class B, and Class F fires, plus electrically started fires up to 35 kV when applied as fine mist.	Water-based suppressant, pressurised with nitrogen or compressed air. Recommended use: F500 Encapsulator – suitable for Class A, Class B, and Class F fires, plus electrically started fires up to 35 kV when applied as fine mist.	Water-based suppressant, pressurised with nitrogen or compressed air. Recommended use: F500 Encapsulator – suitable for Class A, Class B, and Class F fires, plus electrically started fires up to 35 kV when applied as fine mist.
Detection	Flame and Rate-of-Rise heat sensors	Flame and Rate-of-Rise heat sensors	Flame and Rate-of-Rise heat sensors
Activation Logic	Flame + RoR 0.5° C/sec for 5 seconds, or immediate activation at 50°C; failsafe override at 60°C	Flame + RoR 0.5° C/sec for 5 seconds, or immediate activation at 50°C; failsafe override at 60°C	Flame + RoR 0.5° C/sec for 5 seconds, or immediate activation at 50°C; failsafe override at 60°C
Certifications	CE, ASME, UL-listed components, IEC 62368-1 including AS/NZS 62368.1, EN 62368-1, UL 62368-1, CSA C22.2 62368-1	CE, ASME, UL-listed components, IEC 62368-1 including AS/NZS 62368.1, EN 62368-1, UL 62368-1, CSA C22.2 62368-1	CE, ASME, UL-listed components, IEC 62368-1 including AS/NZS 62368.1, EN 62368-1, UL 62368-1, CSA C22.2 62368-1
Full Weight	5.20 kg (11.46 lbs)	6.30 kg (13.89 lbs)	7.80 kg (17.20 lbs)
Dimensions (L × Ø)	500 mm × 92 mm	600 mm × 92 mm	700 mm × 92 mm
Discharge Time (10 Bar)	~6 seconds	~12 seconds	~21.6 seconds
Spray Coverage (Outward)	0.2 m: 1.4 × 1.4 m; 0.5 m: 2.2 × 2.2 m; 1.0 m: 3.0 × 3.0 m; 1.5 m: 3.8 × 3.8 m; 2.0 m: 4.5 × 4.5 m	0.2 m: 1.4 × 1.4 m; 0.5 m: 2.2 × 2.2 m; 1.0 m: 3.0 × 3.0 m; 1.5 m: 3.8 × 3.8 m; 2.0 m: 4.5 × 4.5 m	0.2 m: 1.4 × 1.4 m; 0.5 m: 2.2 × 2.2 m; 1.0 m: 3.0 × 3.0 m; 1.5 m: 3.8 × 3.8 m; 2.0 m: 4.5 × 4.5 m

Spray Coverage (Downward)	1.5 m: 2.8 × 2.8 m; 2.0 m: 3.5 × 3.5 m; 2.5 m: 4.0 × 4.0 m	1.5 m: 2.8 × 2.8 m; 2.0 m: 3.5 × 3.5 m; 2.5 m: 4.0 × 4.0 m	1.5 m: 2.8 × 2.8 m; 2.0 m: 3.5 × 3.5 m; 2.5 m: 4.0 × 4.0 m
Power Supply	1 × 5000 mAh rechargeable battery	1 × 5000 mAh rechargeable battery	1 × 5000 mAh rechargeable battery
Battery Life	Up to 6 months standby	Up to 6 months standby	Up to 6 months standby
Battery Replacement	Every 18 months (12 months recommended)	Every 18 months (12 months recommended)	Every 18 months (12 months recommended)
Charging	USB Type-C for charging and operation	USB Type-C for charging and operation	USB Type-C for charging and operation
Connectivity	Real-time alerts via software/app, remote manual activation	Real-time alerts via software/app, remote manual activation	Real-time alerts via software/app, remote manual activation
Camera	Still image capture upon detection	Still image capture upon detection	Still image capture upon detection
Maintenance	Annual pressure gauge check, solenoid coil replacement every 2 years, major service every 5 years	Annual pressure gauge check, solenoid coil replacement every 2 years, major service every 5 years	Annual pressure gauge check, solenoid coil replacement every 2 years, major service every 5 years
Operating Temperature	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C
Working Pressure	10–12 bar	10–12 bar	10–12 bar
Hydrostatic Test Pressure	2.5 × working pressure	2.5 × working pressure	2.5 × working pressure
Construction	304/316 stainless steel cylinder	304/316 stainless steel cylinder	304/316 stainless steel cylinder