



COMODO SERIES

by

THE FIRE KNIGHT

The Comodo is an advanced vehicle fire detection system designed to be strategically placed in high-risk areas of a vehicle, provides prompt and efficient detection and response to potential fires.

Presented by The Fire Knight Pty Ltd, The Comodo is a portable and compact fire suppression system specifically engineered for automotive safety.

Available in three sizes - 0.5 litres, 1 litre, and 2 litres, with the option for custom builds for larger applications, The Comodo utilises an environmentally friendly encapsulation fluid, offering superior effectiveness compared to other extinguishing agents. Its innovative dual-sensor approach combines UV and IR measuring sensors with a flame sensor to deliver precise activation when required.



The Comodo can be powered by the vehicle's power source or operated using batteries. Equipped with an 8-bit micro-controller, it features a charging section that can charge a 2AH lithium-ion polymer (LiPo) battery, providing a 12-month lifespan without the need for recharge or replacement.

Featuring a temperature sensor, flame sensor, integrated software, camera and timer logic, The Comodo provides adaptable fire safety for any vehicle, with versatile mounting choices to accommodate different vehicle configurations.



LOCATED EXACTLY WHERE YOU NEED IT

Rear-end collisions are a prevalent type of accident globally, often leading to rapid fire outbreaks due to the proximity of most petrol tanks to the rear axle of the vehicle. To mitigate this risk, The Comodo can be strategically installed in vehicles to help suppress fires, including those that may occur in a petrol tank following a rear-end collision.

The specific placement of The Comodo may vary based on the vehicle's design and local regulations. It is generally advised to install The Comodo in easily accessible locations such as the trunk/boot, under seats, engines, or designated compartments.

FLEXIBILITY

The Comodo offers flexible fire suppression solutions tailored for challenging or unconventional spaces. It is ideal for remote cabins and tiny homes, as well as caravans, trailers, and boats, including their galleys and other compact kitchens where traditional ceiling-mounted systems cannot be installed. Additionally, it serves well in industrial control rooms, battery storage areas, and soldering stations.

The Comodo is also perfect for residential garages, food trucks, and laboratories—particularly small-scale labs that handle volatile chemicals. Retail storage areas, art galleries, museums, historical buildings, and public transport vehicles can all benefit from its adaptable design.

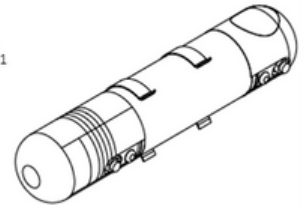
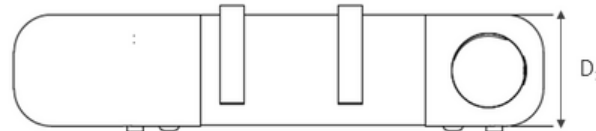
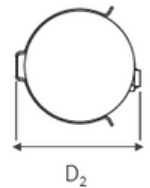
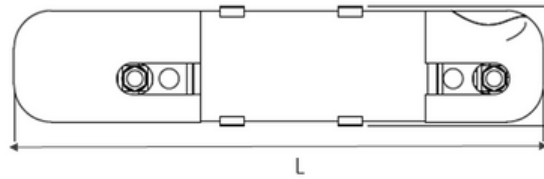
Disclaimer: The images of The Comodo shown in this brochure may differ from the actual product and should only be used as a guide.



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Fire Rating Class

Lithium-ion Battery Fires

Class A Fires -Ordinary Combustibles

Class B Fires -Flammable and Combustible Liquids

Technical Specifications

	C1.8	C1.0	C0.5
Model	C1.8	C1.0	C0.5
Capacity	1.8L	1.0L	0.5L
Fire Extinguisher Type	Water & Nitrogen	Water & Nitrogen	Water & Nitrogen
Expelling Agent	F500 encapsulator	F500 encapsulator	F500 encapsulator
Extinguisher Design	Portable	Portable	Portable
Average Discharge Range	2m x 2m	2m x 2m	2m x 2m
Average Discharge Time	10-20 secs	10-20 secs	10-20 secs
Operating Temperature	Ambient	Ambient	Ambient
Operating Pressure	12 Bar	12 Bar	12 Bar
Test Pressure	18 Bar	18 Bar	18 Bar
Test Specifications & Approvals	ASME sec. VIII Div-1 ASME sec. VIII Div-2 EN 13445 PD5500 AS3978:2003 (PROC 4085) AS4041:2006 (6.8) ASME B31.3:2014 K345.4 ASME B31.3:2014 K345.5	ASME sec. VIII Div-1 ASME sec. VIII Div-2 EN 13445 PD5500 AS3978:2003 (PROC 4085) AS4041:2006 (6.8) ASME B31.3:2014 K345.4 ASME B31.3:2014 K345.5	ASME sec. VIII Div-1 ASME sec. VIII Div-2 EN 13445 PD5500 AS3978:2003 (PROC 4085) AS4041:2006 (6.8) ASME B31.3:2014 K345.4 ASME B31.3:2014 K345.5
Dimensions			
L	604mm	459mm	364mm
D1	92mm	92mm	92mm
D2	118mm	118mm	118mm
Total Weight	6kg	5kg	4kg
Power supply	12-48V DC	12-48V DC	12-48V DC
Battery	3.7V DC 5000mAh 150,000	3.7V DC 5000mAh 150,000	3.7V DC 5000mAh 150,000
Flame Sensor	V/M, 100oWide Field	V/M, 100oWide Field	V/M, 100oWide Field
UV Sensor	Photovoltaic Mode Operation, High Responsivity	Photovoltaic Mode Operation, High Responsivity	Photovoltaic Mode Operation, High Responsivity