

SOTERIA<sup>®</sup>  
DIMENSION



**DETECTION**  
**> SECURED**

Welcome to the next generation  
in fire detection.

With an innovative flush-mounted design  
and chamberless technology, the Soteria  
Dimension Specialist Optical Detector  
is designed with an anti-vandal and  
anti-ligature metal faceplate to protect  
the most vulnerable in care and custody.

## CONTENTS

- 03 How does it work?
- 05 Features & benefits
- 06 Installation guidelines
- 07 Help & support

Soteria Dimension Specialist  
is brought to you by Apollo Fire  
Detectors, the UK's leading  
manufacturer of fire detection  
and alarm devices. With a global  
reputation for innovation, quality  
and reliability, Apollo products  
keep people safe from fire in over  
100 countries around the world.

## HOW DOES IT WORK?

- > Soteria Dimension Specialist incorporates  
unique optical sensors that streamline  
the design and enable flush mounting.

Using a combination of infra-red LEDs  
and photo-diodes, the sensors detect  
smoke particles, while chamberless  
technology eliminates dust and insect  
ingress to reduce false alarms.

The shock-resistant metal faceplate is  
fitted with anti-tamper screws, ensuring  
that the detector is completely secure.  
Designed to minimise safety hazards in  
healthcare and custodial environments,  
it can be used in hospitals, contingency  
wards, quiet rooms, mental health wards  
and prisons.



Soteria Dimension Specialist complies  
with the European Standards EN54  
Part 7 for optical detectors and EN54  
Part 17 for isolators. Independently  
certified to DHF TS001 for anti-ligature  
use in specialist areas. Additional  
approvals include:





## FEATURES & BENEFITS MAXIMUM PROTECTION : UNIQUE DESIGN

### 01

Delivers the **highest level of fire safety**, effectively detecting smoke particles using optical sensors.

### 02

Flush-mounted design fitted with anti-tamper screws to **resist interference or damage**.

### 03

Chamberless technology eliminates dust and insect ingress to **minimise false alarms**.

### 04

**Integrated switchable isolator** incorporated as standard.

### 05

Supports all three levels of the Apollo Protocol – XP95, Discovery and CoreProtocol – **enabling backward compatibility**.

### 06

Easy, wipe-clean finish to **maintain high standards of hygiene**.

### 07

Comprehensively tested to **exceed EN54 standards**.

### 08

Designed and tested to meet the requirements of **Ministry of Justice specifications STD/E/SPEC/038**.

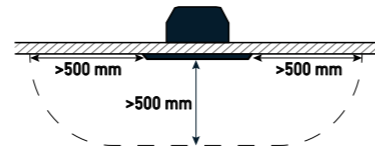
### 09

**Independently certified to DHF TS001** for anti-ligature use in specialist areas.

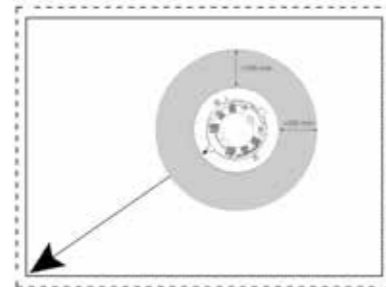
## INSTALLATION GUIDELINES

> Soteria Dimension Specialist fits flush to the ceiling with minimum intrusion and is secured with anti-tamper screws. For optimal performance, we recommend the following guidelines.

- Site in rooms larger than 1m x 1m in accordance with BS5839-1.
- Position the detector away from other objects, such as air con filters, lights and doors.
- Minimum clearance must be 500mm on all sides.
- Avoid areas exposed to steam and high levels of dust or fumes, such as bathrooms, kitchens and rest rooms.



Leave 500mm clearance on all sides of the detector.



Position the detector to face the longest clear line of sight – the commission label on the faceplate will help you define the correct orientation.

## WE'RE HERE TO HELP

Find your comprehensive installation guide and datasheet online at [apollo-fire.co.uk/dimension](https://apollo-fire.co.uk/dimension)

For installation, siting, maintenance and testing 'how-to' videos, please visit [www.youtube.com/user/ApolloFireDetectors](https://www.youtube.com/user/ApolloFireDetectors)

For further support and enquiries, call our friendly team on **+44 (0)23 9249 2412**



Apollo Fire Detectors Limited  
36 Brookside Road, Havant  
Hampshire PO9 1JR

Telephone **+44 (0)23 9249 2412**  
Email [enquiries@apollo-fire.com](mailto:enquiries@apollo-fire.com)  
[apollo-fire.co.uk](https://apollo-fire.co.uk)



# KEEPING YOU SAFE FROM FIRE. ALWAYS.

Our purpose is simple; to keep people safe from fire every second of every day.

We specialise in the design and manufacture of high-quality fire detection solutions that protect people from fire in over 100 countries around the world. We are proud to be a part of Halma, a FTSE 50 global group of life-saving technology companies.

Apollo Fire Detectors Limited  
36 Brookside Road, Havant  
Hampshire PO9 1JR

Telephone **+44 (0)23 9249 2412**  
Email **[enquiries@apollo-fire.com](mailto:enquiries@apollo-fire.com)**  
**[apollo-fire.co.uk](http://apollo-fire.co.uk)**