

# SOTERIA® DIMENSION

# **Backbox Installation Guide**

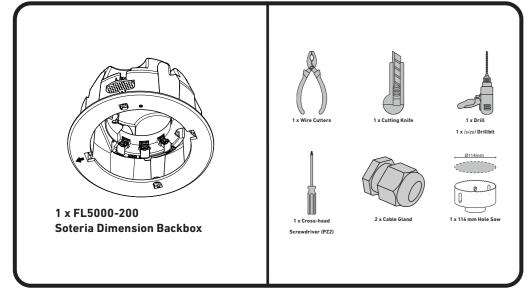
Part No	Product Name
FL5000-200AP0	Soteria Dimension Backbox

For all technical information please refer to the documents that follow, which are available from www.apollo-fire.co.uk:

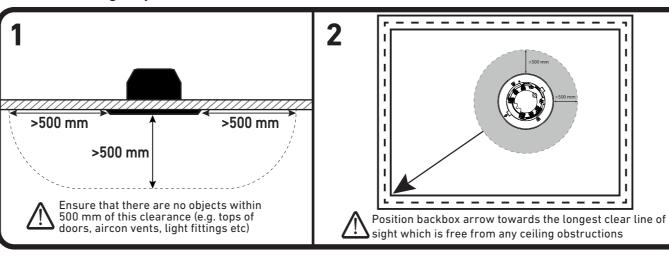
PP2550 - Soteria Dimension Optical Detector - Datasheet PP2090 - Short-Circuit Isolator - Datasheet

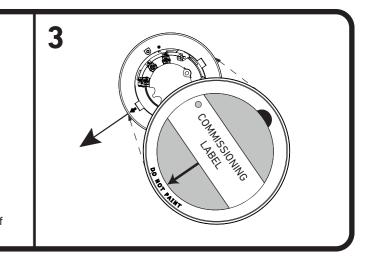
What's in the Box:

## **Equipment Required:**

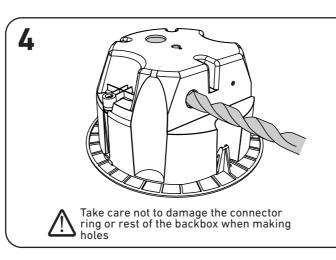


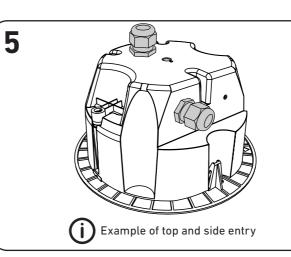


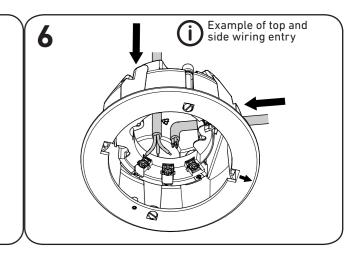


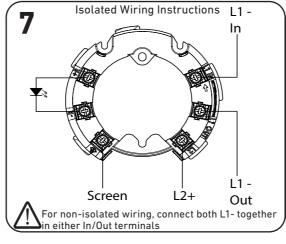


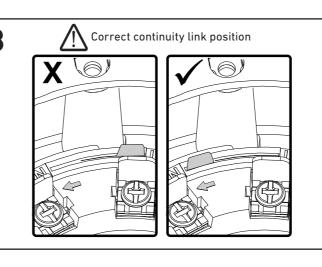
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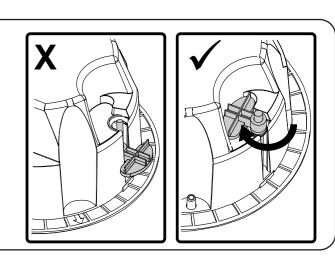




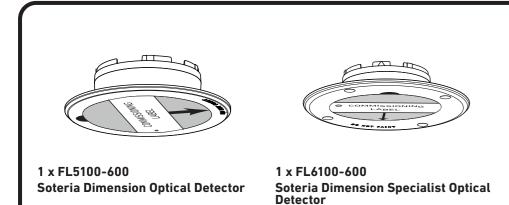


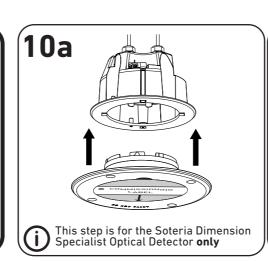


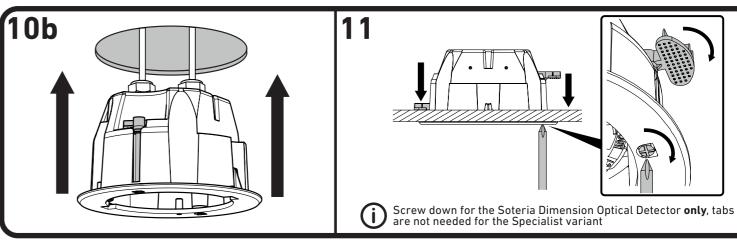




# **Compatible Detectors:**







#### **Detector Location**

Correct alignment of the detector can be done by positioning the arrow marked on the backbox with the longest clear line of sight which is free from any ceiling mounted obstructions. The commissioning label present on the faceplate of the detector should line up with the backbox arrow when fitted.

Refer to Steps 1 - 3 for best practice

#### **Necessary Requirements:**

- Always maintain the minimum clearance of 500 mm in all directions (Step 1)
- Position backbox arrow towards the longest clear line of sight which is free from any ceiling obstructions
- Only remove commissioning label, on commissioning the system
- Not to be used outside

The commissioning label is used to aid installation, to shield from dust and to protect the lenses from fingerprints. It must only be removed upon commisioning of the system, as leaving the label on will report a fault to the panel.

## Commissioning

The installation must conform to BS5839-1 (or applicable local codes). Because of the way Soteria Dimension works, it is imperative that the windows are kept free from damage, scratches, dirt and fingerprints. The commissioning label present on the faceplate of the detector must not be removed before any installation work is carried out. Before commissioning please remove the label and ensure the windows are free from fingerprints, residue and dirt.

## Maintenance & Cleaning

Maintenance should be performed in accordance with applicable local codes. Clean the detector with a dry, lint-free cloth. Ensure the fire system is suitably isolated before cleaning detectors.

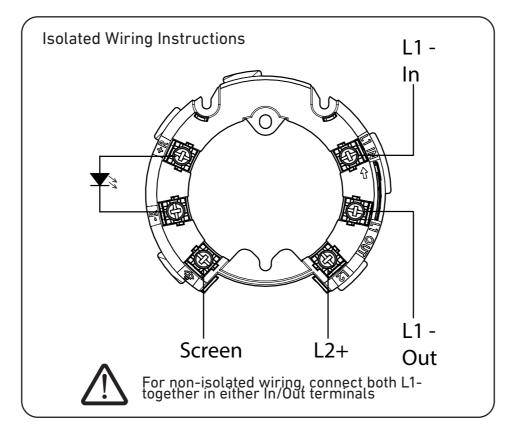
# Testing

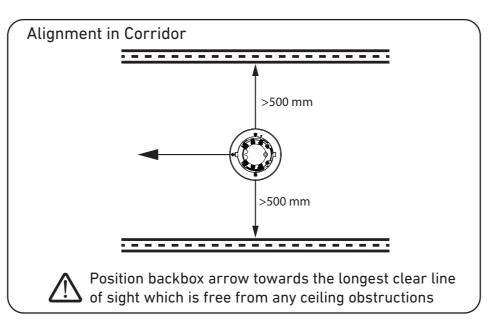
The preferred method of testing the detector is with a Solo 365 using a special Solo 367 adapter, the process is described in the test equipment's installation guide. We recommend cleaning detectors after testing using a dry lint-free cloth. For more information visit www.apollo-fire.co.uk

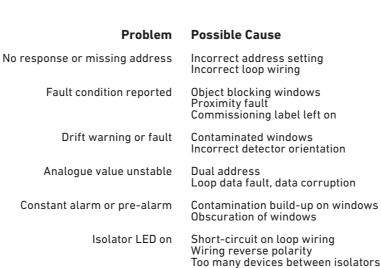
The new FasTest® mode (*CoreProtocol® only*) facility on Soteria Dimension Optical Detector, which can be enabled on a compatible fire control panel, facilitates quicker testing of detectors with appropriate test equipment. The FasTest disables both a portion of the signal processing algorithm and proximity sensing to allow for a faster detector response, whilst ensuring that the detectors absolute sensitivity remains identical to that of mode 3 (refer to Operating Modes Table). This helps to reduce commissioning time.

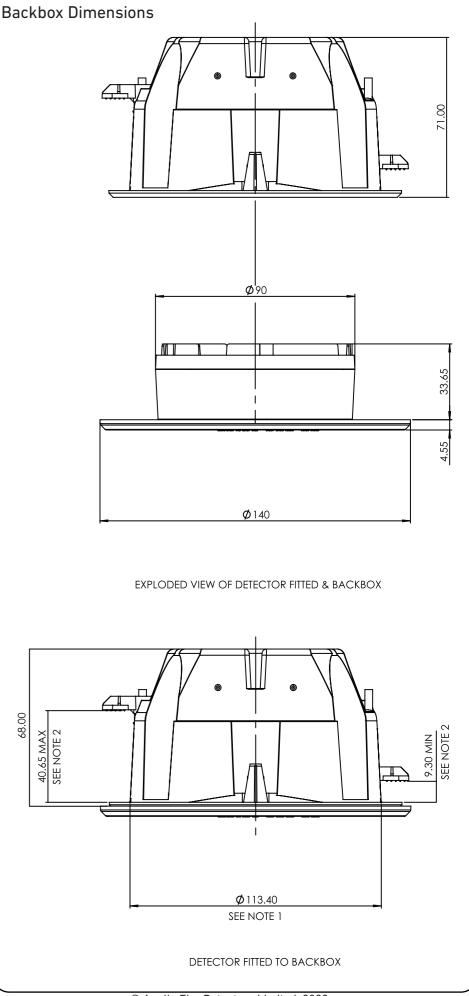
### **Troubleshooting**

Before investigating individual units for faults, it is important to check that the system wiring is fault free. Earth faults on data loops may cause communication errors. Many fault conditions are the result of simple wiring errors. Check all connections to the unit.









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