

Fire detection and evacuation solutions that save lives.

Addressable – Duct Sampling Unit

Features

- For use with XP95 or Discovery Smoke Detectors
- Both sampling and exhaust pipes are fitted to the back box without the need for tools making installation easier.
- The cover of the duct smoke detector is monitored to ensure working integrity and if removed, causes a fault to appear at the fire alarm control panel.
- Easily accessible wire clamping terminals ensure secure and fast termination.
- Clear cover hence the alarm LED on the detector is visible at all times.
- Unique self-sealing test port allows the dispensing of test smoke via a needle into the duct smoke detector to be tested without the need to remove the cover.
- Sampling pipes available in 4 lengths.

Description

The XP95 Duct Sampling Unit provides early detection of smoke in the air moving through heating and ventilation (HVAC) ducts in commercial and industrial premises. Its purpose is to prevent the re-circulation of smoke from an area on fire to areas unaffected by the fire when used with the XP95 detector. The Duct Sampling Unit can also be used with a Discovery detector.

The Duct Sampling Unit is designed to monitor levels of smoke in air ducts operating in air speeds of 0.5 to 20 meters per second.

The duct smoke detector can be fitted to any wall of a ventilation duct and has two tubes that extend into the duct through punched holes. The perforated sampling tube is placed in the airflow upstream of the exhaust tube which causes a pressure differential in the duct detector. Air is sucked up the sampling tube, across the detector and exhausted back into the air duct.

The duct smoke detector is designed to operate in ducts with a width of between 300mm and 3000mm. Using the 360mm sampling pipe supplied, an air duct of up to 540mm can be monitored. For duct widths greater than 540mm, three other lengths of sampling pipe are available.

Duct smoke detectors are recommended for indoor use only and are not designed to offer early warning of fire or to be used as a replacement for a standard fire detection system.



Duct Sampling Unit cw XP95 Detector Base

Item Numbers

Australia

214-0051	Duct Sampling Unit inc XP95 Detector Base
214-0060	Sampling pipe 300 to 760mm
214-0061	Sampling pipe 760 to 1500mm
214-0062	Sampling pipe 1500 to 3000mm

International

53546-022AMP	Duct Sampling Unit inc XP95 Detector Base
53541-170	Sampling pipe 300 to 760mm
53541-171	Sampling pipe 760 to 1500mm
53541-172	Sampling pipe 1500 to 3000mm

Specifications

Housing & Cover	Grey – ABS & Transparent - ABS
Operating Voltage	9-33V DC
Dimension	115mm H x 340mm W x 60mm D
Temperature Range	0°C - +60°C
Relative humidity	0 - 85%, non condensing
Weight	5.5kg
Approvals	C-tick, AS1603-13