



Features:

- Available with either Apollo XP95 or Ampac Orbis detector base fitted
- Volt free normally opened or closed non-latching relay contact. Relay energises when detector is in alarm (Available only with Ampac Orbis option)
- 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
- Weather resistant enclosure



Shown fitted with XP95 Photo Optical detector

Description

The Ampac 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 Ampac Duct Sampling Unit comprises of:

- ✓ Back box, complete with detector base fitted and termination strip
- ✓ Detector head options - Apollo XP95 P.O. (item number: 201-0003) or Ampac Orbis P.O. (item number: 201-0512)
- ✓ Volt free N/O, N/C relay contacts (Ampac Orbis version only)
- ✓ Transparent cover – ‘alarm’ LED on detector is visible through this cover
- ✓ Exhaust pipe
- ✓ 360mm long sampling pipe
- ✓ Red stopper for end of sampling pipe
- ✓ Mounting template
- ✓ Installation guide

The duct smoke detector can be fitted to any wall of a ventilation duct and has two (2) 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.

Using the 360mm sampling pipe supplied, an air duct of up to 560mm can be monitored. For duct widths greater than 560mm, three (3) other lengths of sampling pipe are available;

1. for duct width 300 to 760mm
2. for duct width 760 to 1500mm
3. for duct width 1500 to 3000mm

Specifications

Housing	Grey - ABS	
Cover	Transparent - ABS	
Dimension	115H x 340W x 60D mm	
Temperature Range	0 to +60°C	
Humidity	Up to 85%, no condensation	
Weight	5.5 kg	
	Analogue	Conventional
Nominal Sensitivity	7%	8%
Operating Voltage	17 to 28VDC	9 to 33VDC
Differential Pressure	0.7Pa @ 1m/sec Duct Velocity	0.6Pa @ 1m/sec Duct Velocity
Approvals	C-tick, AS1603-13	

Item Number	Description
214-0051	Duct Smoke Detector fitted with Apollo XP95 Detector
214-0052	Duct Smoke Detector fitted with Ampac Orbis Detector and relay
214-0060	Sampling pipe 300 to 760mm
214-0061	Sampling pipe 760 to 1500mm
214-0062	Sampling pipe 1500 to 3000mm