

Upgrade Process

The Protec Cirrus Pro range of aspirating fire detectors utilise technology that exceeds 15+ years old, and is therefore now becoming more difficult to support. Changes in design standards, regulations and a continued growth in the many applications for these products has resulted in Protec creating the next generation range of aspirating detectors to replace these existing devices.

As you will appreciate, technology has moved forward with older electronic components becoming increasingly challenging to obtain and in numerous cases, component manufacturers no longer supporting their products. Protec Fire Detection PLC will continue to provide either a "service replacement" or "repair service" to existing service clients where possible. However, several of the components, which are supplied to Protec to manufacture the circuit boards, have now become obsolete, resulting in service stocks becoming limited.

Protec have ensured that our latest generation aspirating detectors are generally "backwards compatible" with regards to the sampling pipe installations, which allows minimum installation changes to the existing complete aspirating detection system*.

It is particularly important to consider upgrading 'older' aspirating detectors as these devices contain moving parts including blowers and pumps which can be adversely affected over time by the environment they operate within.

Once the detector has been upgraded to one of the new range of Protec aspirating detectors the complete aspirating detection 'system' should be re-commissioned, including the testing of each sampling point.

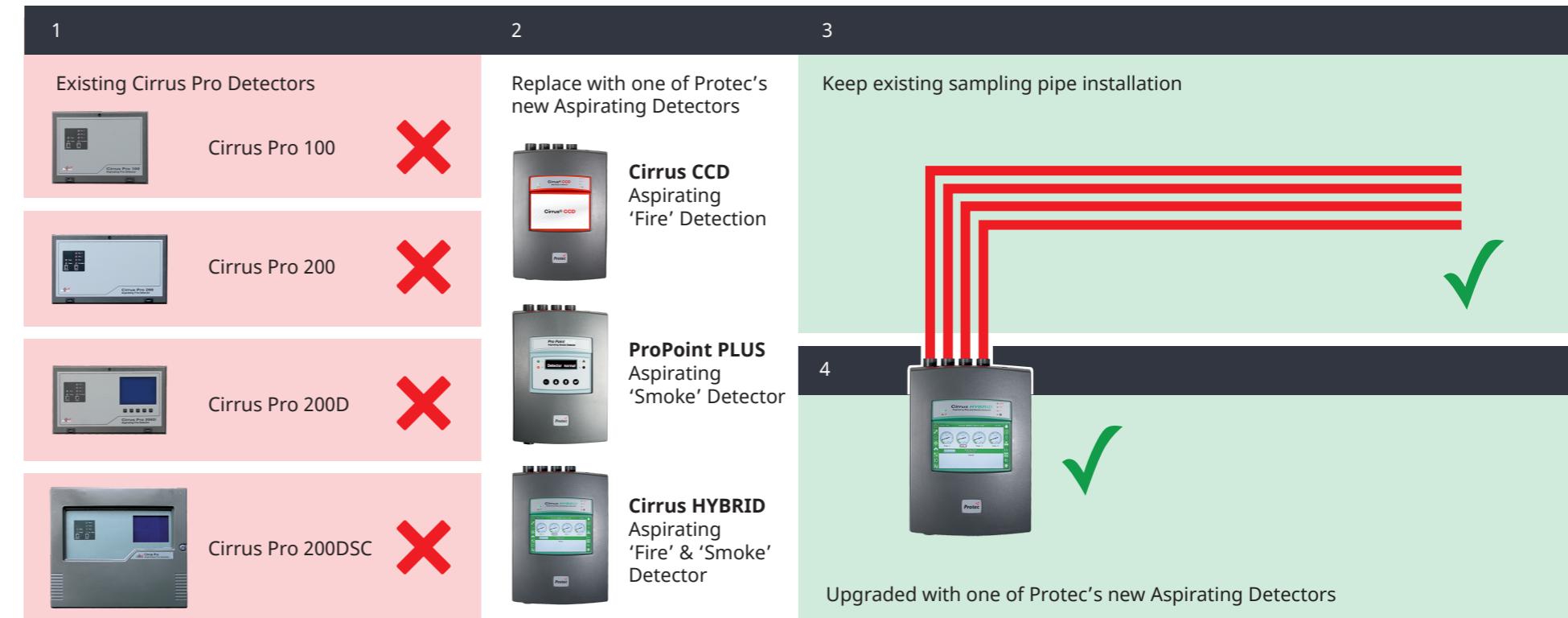
Key Points

- ✓ Generally utilises the existing sampling pipe installation
- ✓ Enhanced features for all new detectors
- ✓ New detectors compliant with many global and country specific approvals
- ✓ Different technology detectors available for different applications
 - Aspirating Fire Detection (Cloud Chamber Particle Detection Technology)
 - Aspirating Smoke Detection (LED Optical Smoke Detection Technology)
 - Aspirating Fire & Smoke Detection (Cloud Chamber Particle Detection Technology & LED Optical Smoke Detection Technology)
- ✓ Most detectors include built-in Protec 6000 protocol interfaces (if required)

*Excludes Cirrus Pro X4 aspirating detector installations.

If you require any further information please contact our export department on +44 (0) 1282 717206 or email: export@protec.co.uk or our local area partner

Simple Process for Upgrade



Additional Notes

Power Supplies - Consideration should be given to the existing standby power supply as this may/may not be compatible and is dependent upon the new detector selected and the standby requirements of the installation.

Existing Installation - In carrying out any aspirating system upgrade consideration should be given to evaluating the efficiency of the existing installation. The location of the existing sampling holes should be confirmed as correct as structural/building changes may have taken place from the original installation. Where possible the existing installation parameters should be re-calculated using the Protec 'Proflow' sampling pipe calculation program, for the selected new aspirating detector. As part of the detector upgrade the sampling pipe installation should be fully cleaned ensuring there are no inline filter, pipe or sampling holes restrictions/blockages. Cleaning is often carried out using a compressor or vacuum dependent upon the nature of the protected space. A suitable in-line sampling pipe filter should be added to each existing pipe installation if this is not part of the original installation.

Fire Alarm Panel Interface - Most models of the new range of Protec aspirating detectors contain an inbuilt 6000 Protocol interface, this allows seamless connection into the Protec main building fire alarm system. Each model of the new range of Protec aspirating detectors contains programmable output contacts for connection onto a non-Protec manufactured main building fire alarm panel.

Aspirating Detector Upgrade Options

Cirrus CCD Aspirating 'Fire' Detection

- Cirrus CCD 1 - 1 pipe detector
- Cirrus CCD 2 - 2 pipe 'scanning' detector
- Cirrus CCD 3 - 3 pipe 'scanning' detector
- Cirrus CCD 4 - 4 pipe 'scanning' detector

ProPointPlus Aspirating 'Smoke' Detectors

- ProPoint PLUS 1 - 1 pipe with OP only or OPCO SCD
- ProPoint PLUS 2 - 2 pipe with OP only or OPCO SCD
- ProPoint PLUS 3 - 3 pipe with OP only or OPCO SCD
- ProPoint PLUS 4 - 4 pipe with OP only or OPCO SCD

Cirrus HYBRID Aspirating 'Fire' & 'Smoke' Detectors

- Cirrus Hybrid 1 pipe detector
- Cirrus Hybrid 2 pipe detector
- Cirrus Hybrid 3 pipe detector
- Cirrus Hybrid 4 pipe detector
- Cirrus Hybrid Scanner 2 - 2 pipe 'scanning' detector
- Cirrus Hybrid Scanner 3 - 3 pipe 'scanning' detector
- Cirrus Hybrid Scanner 4 - 4 pipe 'scanning' detector