



## Installation

- Ensure that the temperature of the selected location is within the operating limits of the Stratos detector (-10 to 60°C).
- The heater assembly should ideally be mounted approximately 300mm above the Stratos detector. To simplify interconnection threaded socket unions should be used.
- Once the position of the unit has been determined a penetration should be made through into the protected area corresponding to the position of the sampling pipe inlets. This penetration should be no larger than 105 x 105mm.
- If the mounting site is corrugated or uneven, fix a mounting plate or board first.
- Offer the unit up to the opening and mark the position of the holes for the four mounting fasteners.
- Fix the unit to the selected location with appropriate round or pan head fasteners.
- Connect ABS sampling pipes to the inlets using joining sockets. (When using sampling pipes in other materials it may be necessary to fit stubs prior to fixing the heater unit.)
- Cap or plug off any unused inlets ensuring that the seal is airtight and cannot easily be broken.
- Connect the heater assembly to two of the Stratos-HSSD inlets.
- Make electrical connections to the heater unit using either a 3-core 1.5mm heat resistant flex or MICV. To simplify termination within the enclosure it is recommended the ceramic terminal block be temporarily released from its two fixing screws.
- The electrical supply should be from a 110/230 V.AC unswitched spur fused at 3A.
- The heater assembly must be earthed.

## Monitoring Option

To monitor the operation of the air heater element, a precision air thermostat kit is available. This monitors the temperature of the sampled air as it leaves the aspirating fan assembly. If the heater element fails, the changeover contacts of this thermostat can be connected to signal a Common Fault. When the *Stratos* detector is connected to an analogue addressable fire alarm system, a monitoring interface can be used to give a specific fault warning.



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