

# PERTRONIC INDUSTRIES LTD

Advanced Automatic Fire Detection Systems - Design and Manufacture

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## **GENERAL ADVICE: CLEANING DETECTORS**

- Pertronic Industries sanction the cleaning of System Sensor detectors, as required, if such cleaning is carried out by a Fire Detection contracting or service company holding the recognised licensing / accreditation required within the respective jurisdiction.
- Dismantling of the detector is required to effect proper cleaning. The detector should be dismantled in accordance with the manufacturers document entitled "Installation and Maintenance Instructions" (supplied with each box of detectors and available from [www.pertronic.com.au](http://www.pertronic.com.au) or [www.pertronic.co.nz](http://www.pertronic.co.nz) )
- System Sensor detectors sold by Pertronic Industries Australia are batch tested by CSIRO before being made available for purchase. This batch testing is deemed a suitable measure of calibration compliance. The exercising of due care when cleaning detectors should not compromise the manufacturers factory set calibration. This additional calibration check is not required in New Zealand.

## **RECOMMENDED CLEANING METHOD**

- The detector should be removed from its base and dismantled in accordance with the manufacturers document entitled "Installation and Maintenance Instructions" (supplied with each box of detectors and available from [www.pertronic.com.au](http://www.pertronic.com.au) or [www.pertronic.co.nz](http://www.pertronic.co.nz) ). Clean detectors individually to ensure that components do not become mixed with those of other detectors.
- Sharp objects and screw drivers are not required to dismantle the detector and should not be used in any way.
- Once dismantled, the detector chamber should be cleaned of contaminants by way of either a clean fine "soft" bristle brush, compressed air, or ideally a combination of both.
- Once cleaned, the detector should be re-assembled and re fitted to its base.
- The FIP will display an updated analogue value for the detector within 20 seconds. If cleaning has been successful, the FIP should display an analogue value for photo-optical detectors of between 700 and 900 $\mu$ S. Detectors that do not return to a value within this range after thorough cleaning should be replaced.

## **LIMITATION OF DETECTOR WARRANTY**

- System Sensor detectors are sold with a manufacturers' warranty of three years from date of manufacture.
- Detectors that do not perform as intended due to contamination are not covered by the manufacturers' warranty.
- Detectors that are damaged during the cleaning process are not covered by the manufacturers' warranty.