

# PERTRONIC INDUSTRIES LTD

## WHITE PAPER

### Advice for 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 manufacturer's 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) )

### Recommended Cleaning Method

- » The detector should be removed from its base and dismantled in accordance with the manufacturer's 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 fire panel will display an updated analogue value for the detector within 20 seconds. If cleaning has been successful, the fire panel should display an analogue value for photoelectric detectors of between 700  $\mu$ S and 1000  $\mu$ 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 manufacturer's warranty of three years from date of manufacture.
- » Detectors that do not perform as intended due to contamination are not covered by the manufacturer's warranty.
- » Detectors that are damaged during the cleaning process are not covered by the manufacturer's warranty.

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The information in this document must not be treated as partial or complete instructions for the design, construction, installation, commissioning, or maintenance of fire detection, fire alarm, or building evacuation systems. Fire and evacuation systems must be designed and installed by properly qualified persons, in accordance with all regulatory requirements.

Unless explicitly stated otherwise, this document provides typical specifications and nominal dimensions. Actual product performance and dimensions may vary.

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