

## Test report *Rapport d'essais* No. BIS/REC/1376 - 2016.08.04

|  |  |
|--|--|
| <b>Applicant:</b><br><i>Requérant:</i> | PARADOX SECURITY SYSTEMS BAHAMAS<br>6 MILTON STREET<br>- FREEPORT, GRAND BAHAMA<br>LES BAHAMAS |
| <b>Subject:</b><br><i>Objet:</i>       | Partial tests on new products  |
| <b>File:</b><br><i>Dossier:</i>        | 2016-17535   |

| Products submitted to the tests <i>Produits soumis aux essais</i> |                               |                          |
|---|-------------------------------|--------------------------|
| Nature  | Manufacturer <i>Fabricant</i> | Reference                |
| PIR detectors   | Paradox                       | NV75M<br>NV75MX<br>HD78F |

| Test history<br><i>Historique des essais</i>                 | Date                    | Remarks<br><i>Remarques</i> |
|--|-------------------------|-----------------------------|
| Reception of the material<br><i>Réception du matériel</i>    | 19/07/2016              |                             |
| Reception of the documents<br><i>Réception des documents</i> | NA                      |                             |
| Test period<br><i>Période d'essai</i>                        | 26/07/2016 – 02/08/2016 |                             |

This report contains 10 pages.  
*Ce rapport contient*

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Chaque page de ce rapport porte le tampon rouge du laboratoire ANPI.



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Project Manager

Authorized by



**Dr B. Stockbroeckx**  
Head of Division LAB

**Standards and specifications***Normes et spécifications*

EN50131-2-2:2008

Alarm systems – Intrusion and hold-up systems – Part 2-2: Intrusion detectors - Passive infrared detectors

EN50131-1:2006 + A1:2009 + IS1:2009 + IS2:2010

Alarm systems – Intrusion and hold-up systems – Part 1: System requirements

EN50130-5:2011 Alarm systems – Part 5: Environmental test methods

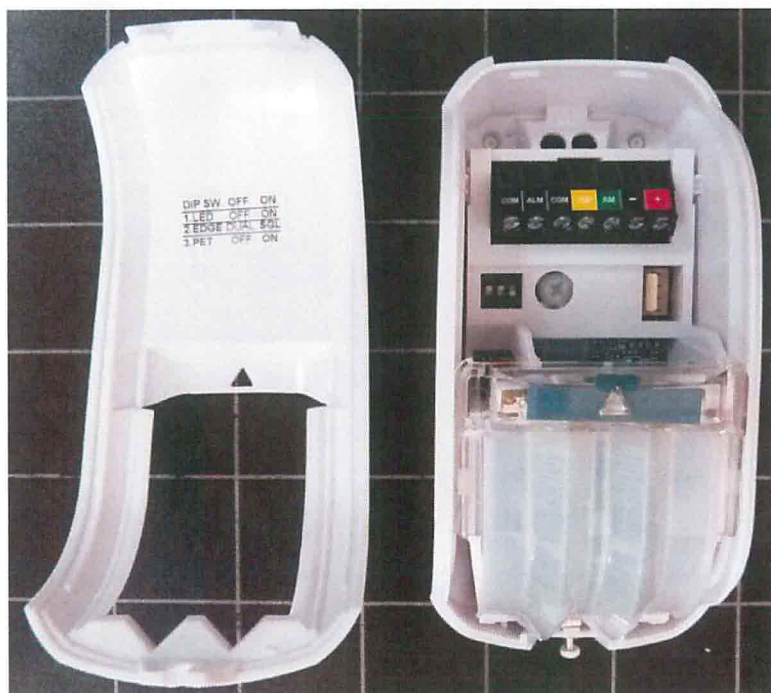
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| HD78F  |                                      | 8        |
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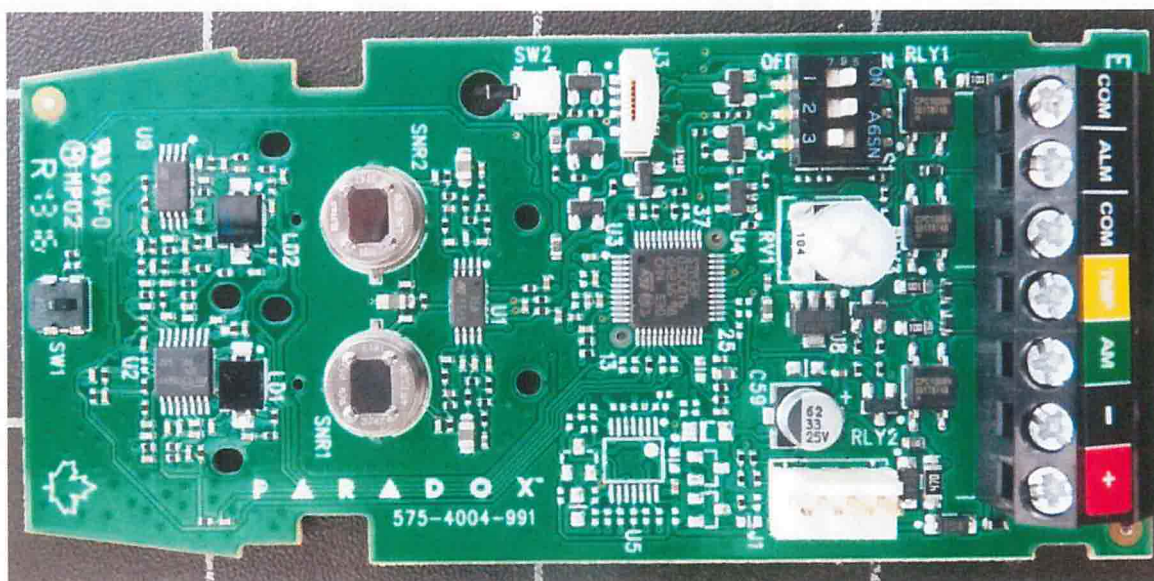
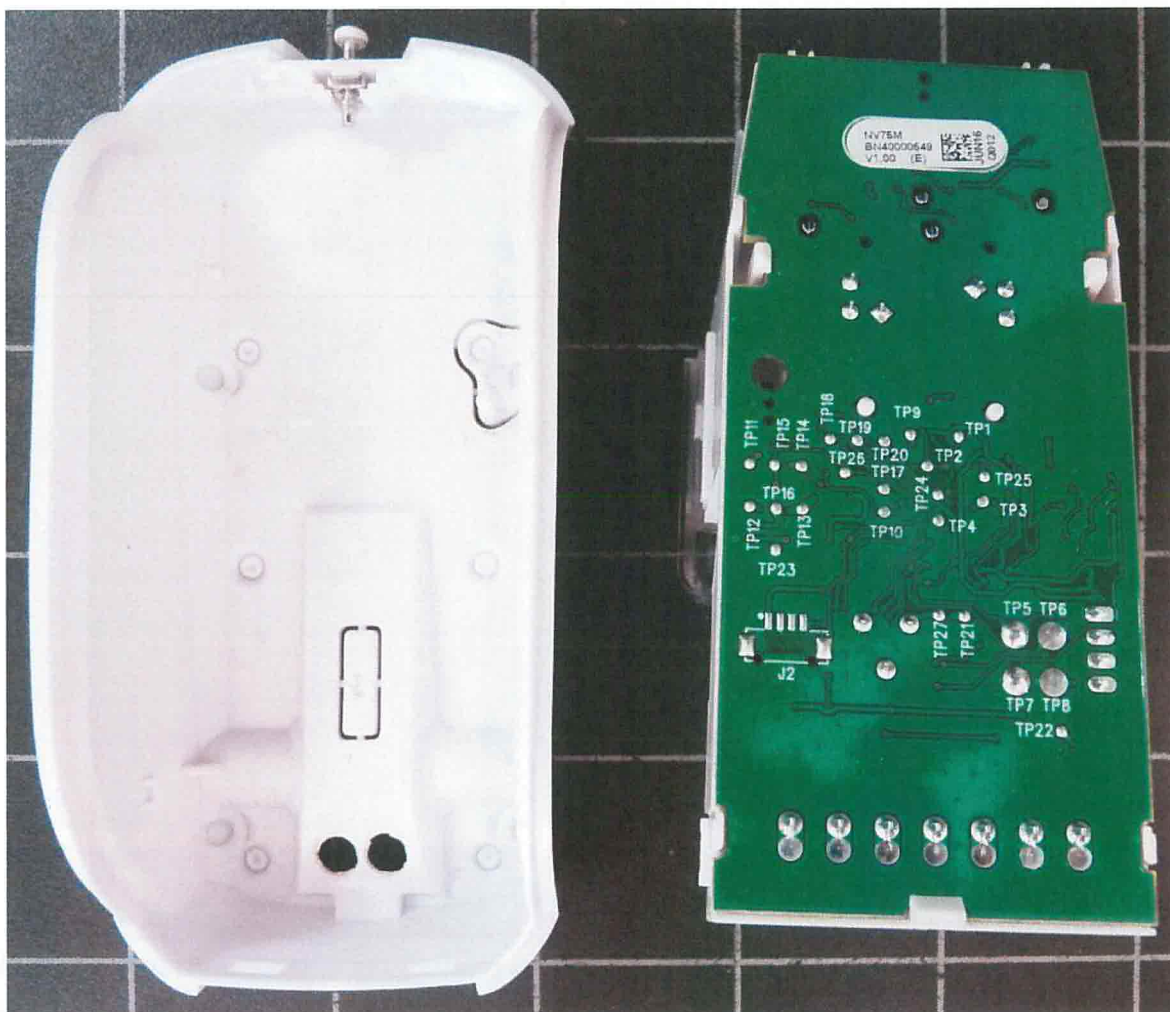
## B. PRODUCT DESCRIPTION *DESCRIPTION DU PRODUIT*

### NV75M

- Wired PIR detector
- 16 Meters Dual Mironel Optics with Anti-Mask and Pet Immunity
- Grade 3
- Class II



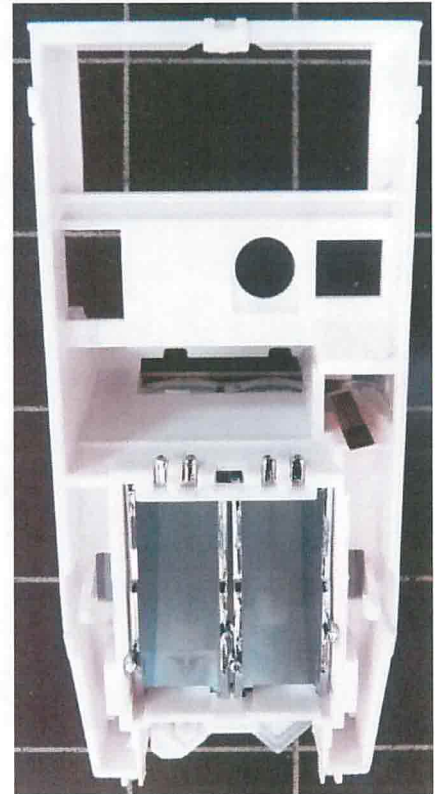
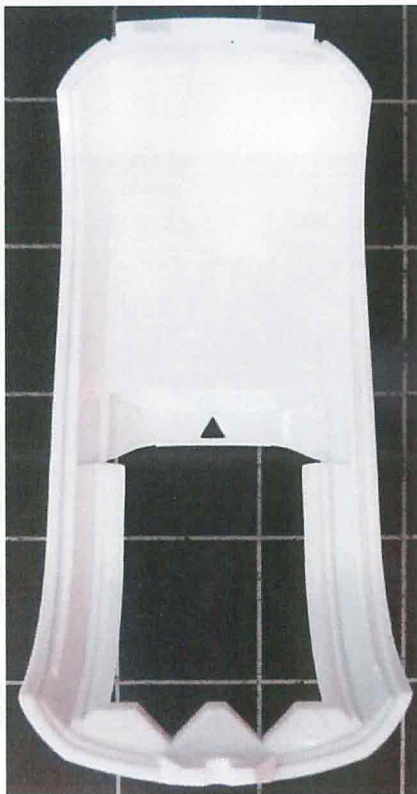




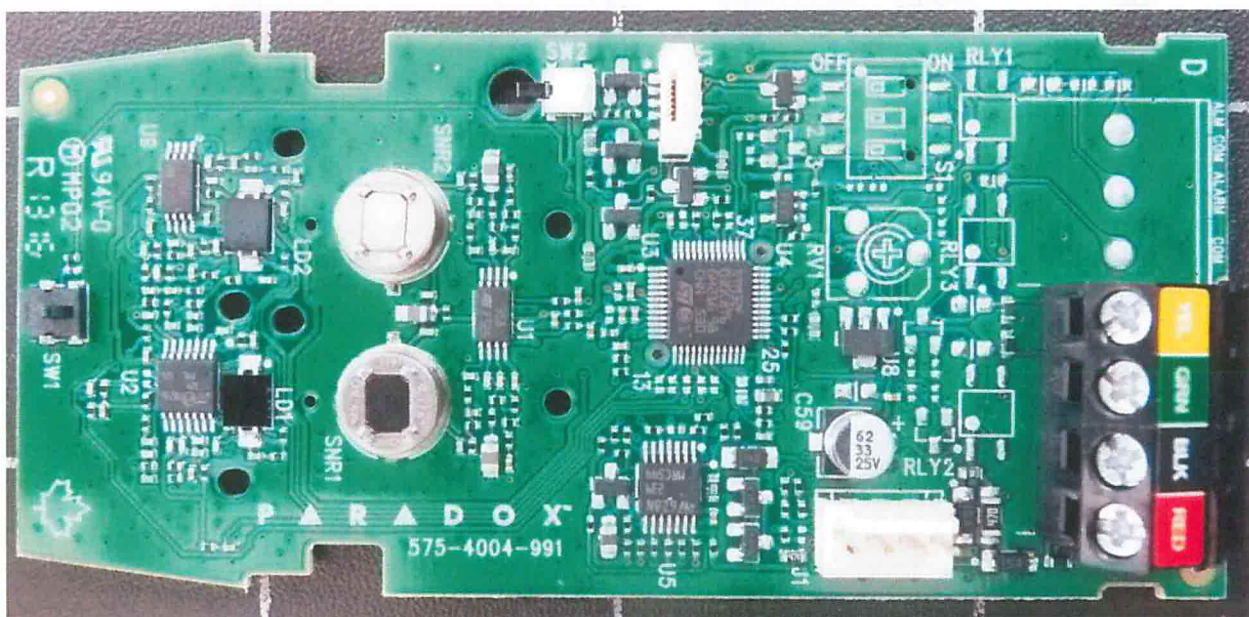
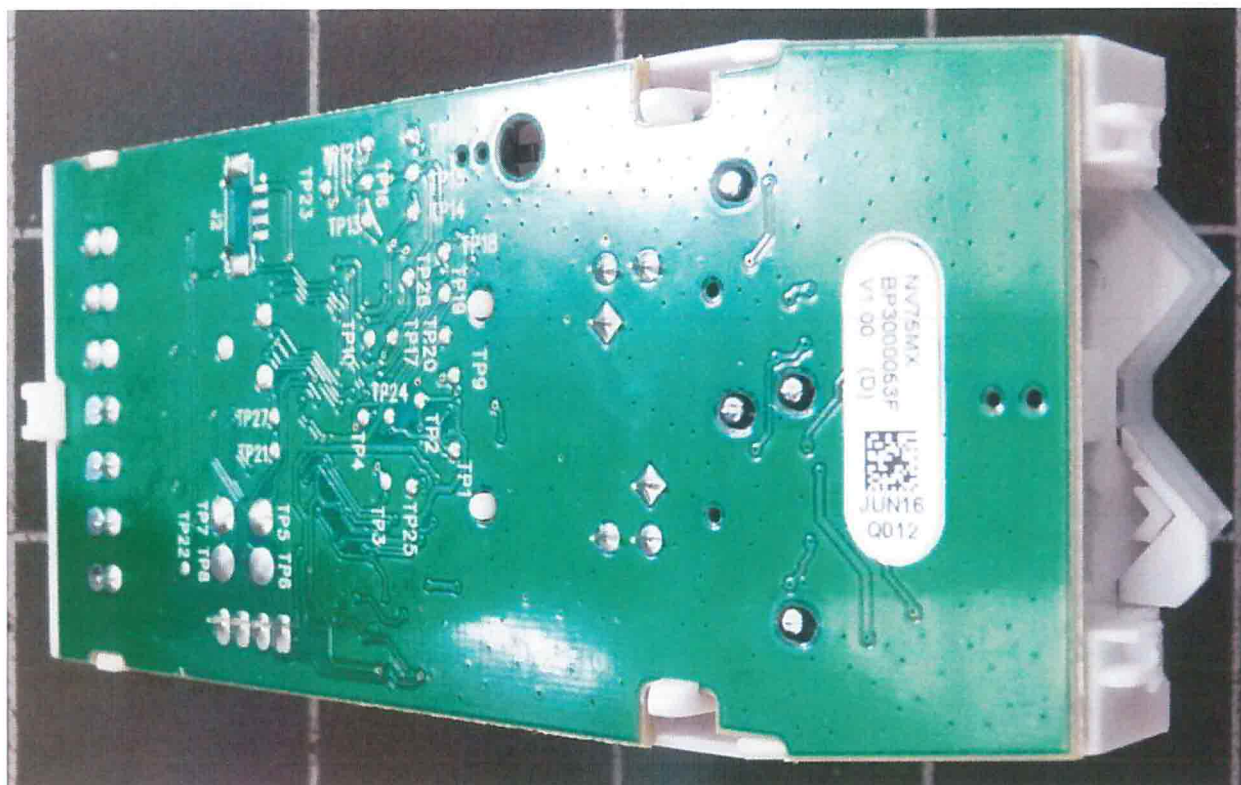
Reference on PCB: 575-4004-991

**NV75MX**

Nature of variation with respect to NV75M:  
-EVO Bus 4 wire connection







Reference on PCB: 575-4004-991

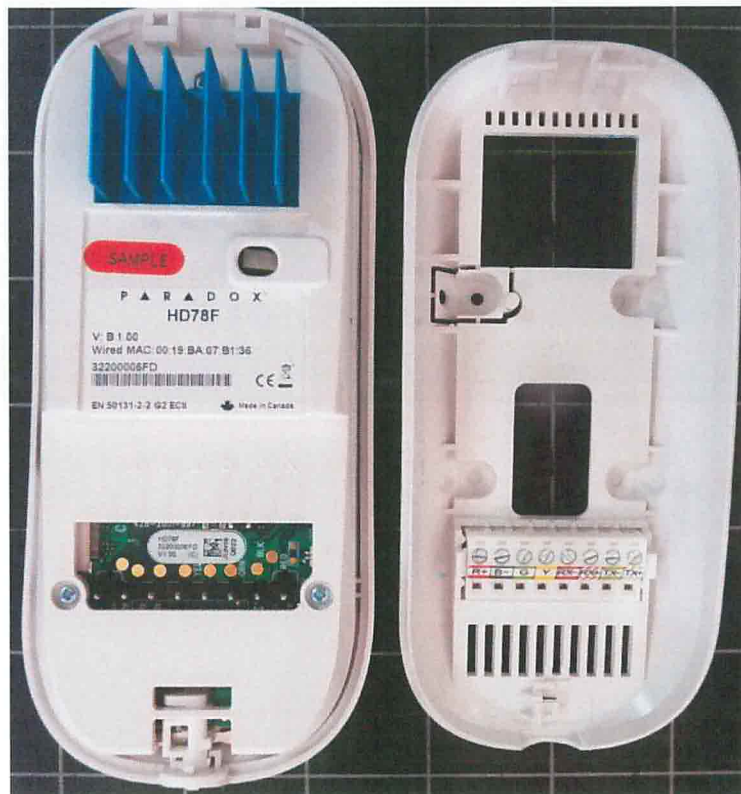
**HD78F**

Wired PIR detector

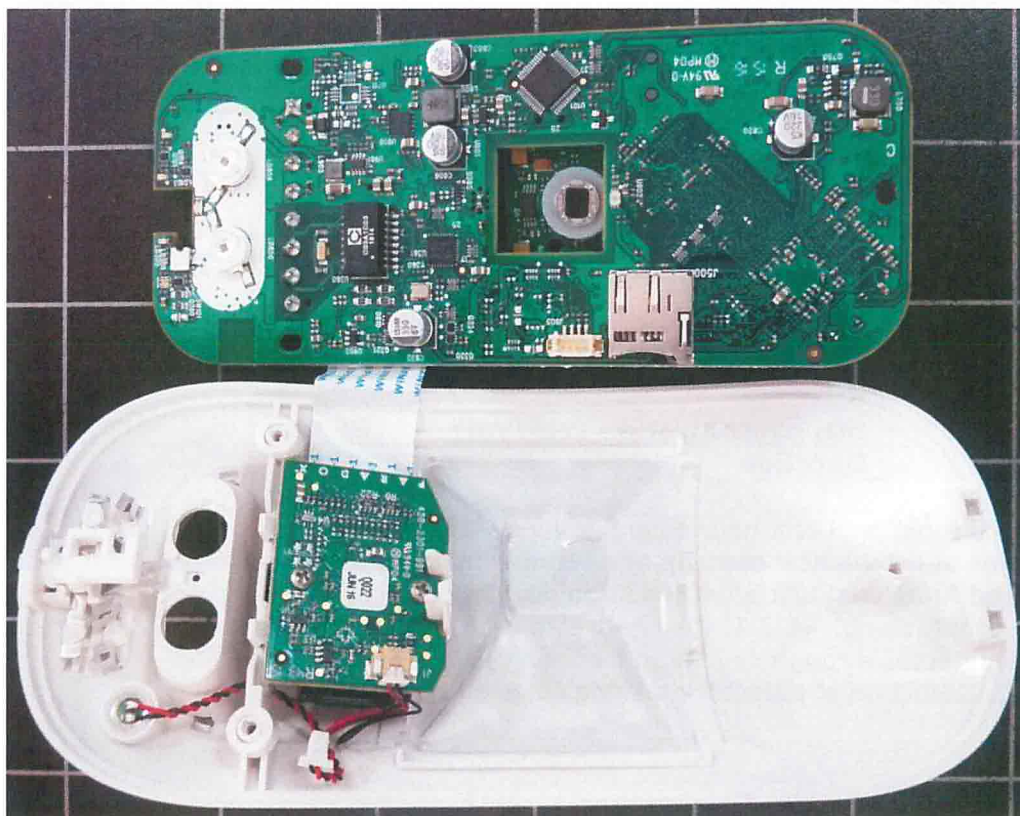
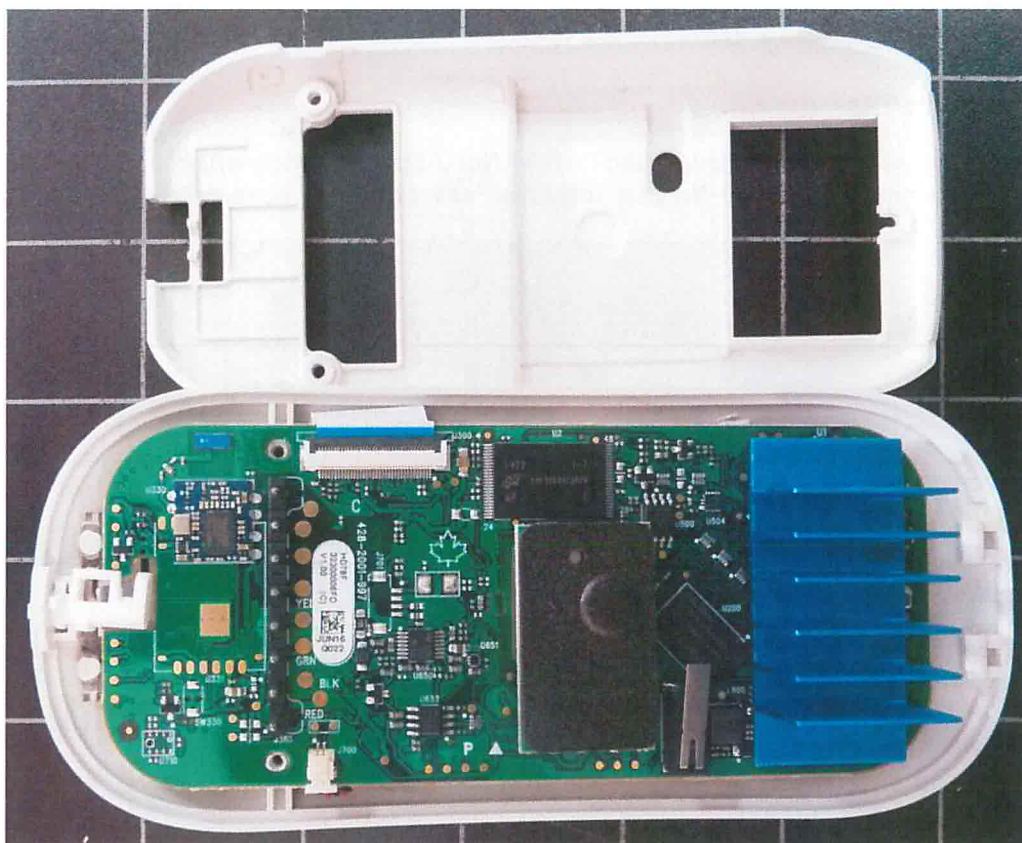
12 Meters Event-Driven Indoor IP Camera / PIR Detector

Grade 2

Class II







Reference on PCB's: 428-2001-997  
428-2301-991

Tests according to EN50131-2-2 *Essais selon EN50131-2-2*

### Summary of test results *Résumé des résultats*

P : Pass réussi F: Fail échec NA: Not Applicable *non applicable*  
NP: Not Performed *non réalisé* NTR: No test required, see result on base product *essai non requis*

| Subject <i>Objet</i>   | §      | NV75M | NV75MX | HD78F | Rem. |
|--|--------|-------|--------|-------|------|
| Security grade   |        | 3     | 3      | 2     |      |
| Environmental classification<br><i>Classification d'environnement</i>  | 4.7.1  | II    | II     | II    |      |
| Tamper security <i>Sécurité contre la fraude</i>   | 6.7    |       |        |       |      |
| Resistance to and detection of unauthorised access to the inside of the detector through covers and existing holes<br><i>Résistance et détection d'accès non autorisés à l'intérieur du détecteur à travers l'enveloppe ou par des trous existants</i> | 6.7.1  | P     | P      | P     |      |
| Detection of detector masking<br><i>Détection de masquage du détecteur</i><br>(grades 3 and 4)   | 6.7.5  | P     | P      | NA    |      |
| Environmental classification and conditions<br><i>Classification et conditions d'environnement</i>   | 6.9    |       |        |       |      |
| Endurance  | 6.9 T8 |       |        |       |      |
| SO <sub>2</sub> corrosion (classes II, III and IV)<br><i>Corrosion SO<sub>2</sub> (classes II, III et IV)</i>  | 6.9 T8 | P     | P      | P     |      |

### §6.9 T8 SO<sub>2</sub> corrosion, endurance

The test has been performed according to EN60068-2-42:1982 with the requirements of EN50130-5 §17.

|   |           |
|---|-----------|
|   | <b>II</b> |
| Temperature                             | +25°C     |
| RH                                      | 93%       |
| SO <sub>2</sub> concentration (vol/vol) | 25 ppm    |
| Duration                                | 4 days    |

Reduced functional test before conditioning: **OK**

No signs of mechanical damage after conditioning: **OK**

Reduced functional test after conditioning: **OK**

After conditioning: §6.7.1. Resistance to and detection of unauthorised access to the inside of the detector through covers and existing holes: **PASS**

§6.7.5. Detection of detector masking (material 1): **PASS**

#### **Remark:**

Tests were applied on EUT's:

NV75M (1 sample)

NV75MX (1 sample)

HD78F (1 sample)