

# Certificate of Type-examination

No: 07229061/AA/00

Telefication declares that the stated alarm equipment complies with the Technical specifications as listed in Annex 2 of this certificate.

Product description: **Passive Infrared Detector**  
Trademark: **See annex 3**  
Family name: **OPTiMAL series**  
Type designation: **See annex 3**  
Serial No: **See annex 3**  
Software release No: **See annex 3**

Manufacturer: **Optex Co.,Ltd.**  
Address: **5-8-12 Ogoto Shiga**  
City: **520-0101 Otsu**  
Country: **Japan**

This certificate is granted to:

Name: **Optex Co.,Ltd.**  
Address: **5-8-12 Ogoto Shiga**  
City: **520-0101 Otsu**  
Country: **Japan**

This certificate has THREE Annexes.

Zevenaar, 08 October 2008



M.H. Koop  
Manager Certification



## Remarks and observations

*The following conditions are applicable:*

This certificate replaces the certificate issued on 20 August 2008.

Equipment Security grade:

- Grade 2 for type OML-DT and OML-ST
- Grade 3 for type OML-DAM and OML-AM

Equipment Environmental class: Class II

Equipment class: Fixed

The OPTiMAL series consist of OML - \*\*-\*-\* -\*\* (OML- a - b - c - d)

a) Basic function

ST: only PIR

DT: PIR and microwave

AM: PIR with active infrared anti-masking

DAM: PIR with active infrared anti-masking and microwave

b) Microwave frequency (only applicable for OML-DT, OML-DAM)

X3: 9.35GHz

X9: 9.9GHz

X5: 10.525GHz(EU)

X5U: 10.525GHz(US)

X6: 10.687GHz

c) Type of language (for instruction manual, label..etc)

(blank) English

i.e.)

N: Dutch

I: Italian

E: Spanish

D : German

F: French

d) Special modification other than performance related to main feature and EN certification

i.e.)

SC: special design carton box (when required by customers)

### Documentation lodged for this type-examination

*Test Reports:*

- Telefication bv: 20072233500, 15 July 2008
- Telefication bv: 20072233800, 16 July 2008
- Telefication bv: 20072233802, 16 July 2008

*Product Documentation:*

- Assembly drawings
- Bill of materials
- Electric diagrams
- Photos
- Installation manual

### Technical Standards and Specifications

*The product shows no non-compliances with:*

- |                 |               |
|-----------------|---------------|
| - EN 50130-4    | December 1995 |
| - EN 50130-4/A1 | April 1998    |
| - EN 50130-4/A2 | January 2003  |
| - EN 50131-2-2  | January 2008  |
| - EN 50131-2-4  | January 2008  |

**Technical features and characteristics**

*The product includes the following features and characteristics:*

Alarm equipment using RF technics:

- Operating frequency range: 9.350-10.687 GHz (4 Channels)

*The product as described in this Certificate includes the following type designations:*

Product description: Passive Infrared Detector  
Type designation: OML-DAM-\*\*-\*\*-\*\*  
Trademark: OPTiMAL  
Serial No: --  
Hard- / Softw. release No: 4306610 / Not applicable

Product description: Passive Infrared Detector  
Type designation: OML-AM-\*\*-\*\*-\*\*  
Trademark: OPTiMAL  
Serial No: --  
Hard- / Softw. release No: 4306610 / Not applicable

Product description: Passive Infrared Detector  
Type designation: OML-DT-\*\*-\*\*-\*\*  
Trademark: OPTiMAL  
Serial No: --  
Hard- / Softw. release No: 4306610 / Not applicable

Product description: Passive Infrared Detector  
Type designation: OML-ST-\*\*-\*\*-\*\*  
Trademark: OPTiMAL  
Serial No: --  
Hard- / Softw. release No: 4306610 / Not applicable