



**Építésügyi Minőségellenőrző Innovációs Kht.  
Központi Laboratórium  
Aktív Tűzvédelmi Eszközök Vizsgáló Laboratóriuma**

**Npc for Quality Control and  
Innovation in Building  
Fire Testing Laboratory**

Central Laboratory: 1113 Budapest, Diószegi út 37.  
Active Fire Protection Laboratory:  
2000 Szentendre, Dózsa György út 26.

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No.: TMT-6a/2007

## CERTIFICATE

on the

### FIRE SAFETY CONFORMITY

of a technical product

This Certificate is issued by ÉMI Kht. as an attestation body by appointment  
No. 1-A/1014/2004  
(16 December 2004) of the Minister of Interior,

at the request of

**TELEFIRE FIRE & GAS DETECTORS LTD.  
5 Halapid St. P.O.B. 7036 Petach-Tikva IL-49250 Israel**

This Certificate of Conformity is based on the test results outlined in the attached TEST REPORT.

Identification marking of technical product (brand name, type, marking):

**TFO-440 CONVENTIONAL OPTICAL SMOKE DETECTOR WITH  
TFB-110 DETECTOR BASE**

This CERTIFICATE OF CONFORMITY (FIRE SAFETY) is valid until 31<sup>st</sup> of March 2012.

Budapest, 14<sup>th</sup> of March 2007.

  
Dr. Bánky Tamás  
Scientific Director

Seal



EMI Kht.'s Central Laboratory, Fire Testing Laboratory

- has been accredited under No. NAT-1-1100/2006 by the National Accreditation Body, in accordance with Hungarian Standard MSZ EN ISO/IEC 17025:2001; and
- it is a full rights member of EGOLF (European Group of Organisation for Fire Testing, Inspection and Certification).

**Product manufacturer:** TELEFIRE Fire & Gas Detectors Ltd.  
5 Halapid St. P.O.B. 7036 Petach-Tikva  
IL-49250, Israel

**Distributor:** NSL Security Ltd.,  
H-1025 Budapest Özgida utca 15/4, Hungary

**Identification of testing facilities:**

ÉMI Kht. Central Laboratory (H-1113 Budapest, Diószegi út 37)  
Active Fire Protection Laboratory (H-2000 Szentendre, Dózsa György út 26)

**Standards observed in testing the product:**

- MSZ EN 54-1:2002 Fire detection and fire alarm systems - Part 2: Introduction,
- MSZ EN 54-7:2003 Fire detection and fire alarm systems - Part 7: Smoke detectors - Point detectors using scattered light, transmitted light or ionization,
- 2/2002.(1.23.) BM – Decree of Minister of the Interior

**Brief description and technical data of the products:**

Telefire's TFO-440 is a conventional photoelectric smoke detector consists of a vented chamber (labyrinth), an infra-red transmitter and a receiver that detects light scattering from the smoke particles in the chamber. The conventional detector use with Telefire's Conventional Control Panels (GSA-2B or GSA-1000) or other approved conventional control panels. The detector contains an alarm LED viewable from 360°. This LED is off during normal operation and on during an alarm.

Alarm signal – local red LED and alarm output, to activate an auxiliary lamp. Use only Telefire's TFL-1 Auxiliary Lamp for Analog Detectors.

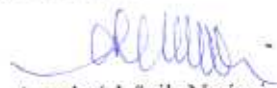
Dimension:	124 × 58 mm (including base and LED)
Operating Temperature Range:	-10 ... +60°C
Operating Voltage:	20 V modulated
Alarm Trigger (fixed temperature):	50 ... 90°C (adjustment in 1°C increments)
Standby Current:	60...100 µA
Alarm Current:	25 mA (Connected to GSA-2B or GSA-1000 Control Panel, without an auxiliary lamp)
Current to Auxiliary Lamp:	50 mA

**Field of application of the product (96/577/EC):** *Fire detection/alarm components — Optical Smoke detectors with base*

**Identification marking of technical documents:** EL 14/39/2000-94/3 (ÉMILABS Kft.)

**Technical conditions of applying the product safely:**

The technical conditions are identified in section EL 14/39/2000-94/3 of the relevant No. 2<sup>nd</sup> part Test Report. No. TMT-6a/2007 Certificate of Conformity (Fire Safety) covers a product which fully complies with the data and technical characteristics featuring in the Test Report marked 2<sup>nd</sup> Part and dated 05-10-2001, provided that the other conditions of application identified in section 2<sup>nd</sup> Part of the Test Report are met. During the life of this Certificate of Conformity, ÉMI Kht. is entitled to inspect the product in the manufacturing and/or distribution process, with expenses paid by the customer.

  
Antalné Lőrök Noémi  
Head of Laboratory