



**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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Phone: (36-26) 310-526

No.: TMT-4a/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):

**TFH-220A ANALOG ADDRESSABLE HEAT DETECTOR WITH
TFB-110A DETECTOR BASE**

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

Budapest, 14th of March 2007.


Dr. Bánky Tamás
Scientific Director

Seal



ÉMI 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 54-5:2003 Fire detection and fire alarm systems - Part 5: Heat detectors - Point detectors,
- 2/2002.(1.23.) BM – Decree of Minister of the Interior

Brief description and technical data of the products:

Telefire's TFH-220A is an advanced Analog Addressable Heat Detector that combines two modes of operation, fixed temperature and rate of temperature rise. It is compatible with the ADR-3000 Analog Addressable Control Panel.

The detector contains a powerful microprocessor enabling accurate control of the heat sensing element, signal processing and two-way communication between the detector and the control panel.

The address of the TFH-220A is programmed into the memory of the detector and can be assigned or changed by using the PROG-4000 programmer.

Use only Telefire's TFL-1A Auxiliary Lamp for Analog Detectors.

Dimension:	124 × 58 mm (including base and LED)
Operating Temperature Range:	0 ... +60°C
Operating Voltage:	20 V modulated (supplied by ADR-3000)
Alarm Trigger (fixed temperature):	50 ... 90°C (adjustment in 1°C increments)
Alarm Trigger (combined mode):	Fixed: 60°C or Rate of rise: 7... 13°C /minute
Standby Current:	290 µA
Alarm Current:	10.0 mA (Connected to ADR-3000 Control Panel, without an auxiliary lamp)


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

Identification marking of technical documents: EL 14/39/2000-94/5 (ÉMILABS Kft.)

Technical conditions of applying the product safely:

The technical conditions are identified in section EL 14/39/2000-94/5 of the relevant No. 2nd part Test Report. No. TMT-4a/2007 Certificate of Conformity (Fire Safety) covers a product which fully complies with the data and technical characteristics featuring in the Test Report marked 2nd Part and dated 05-10-2001, provided that the other conditions of application identified in section 2nd 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