

ÉMI Építésügyi Minőségellenőrző Innovációs Nonprofit Kft. Központi Laboratórium Tűzvédelmi Szakági Laboratórium ÉMI Non-Profit Limited Liability Company for Quality and Innovation in Building Fire Testing Laboratory

Central Laboratory: 1113 Budapest, Diószegi út 37. Active Fire Testing Laboratory: 2000 Szentendre, Dózsa György út 26. Phone: (36-1) 372-6113 Phone: (36-26) 310-526

No. TMT-40/2010

CERTIFICATE

on the FIRE SAFETY CONFORMITY of a technical product

This Certificate is issued by ÉMI Nonprofit Kft. 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):

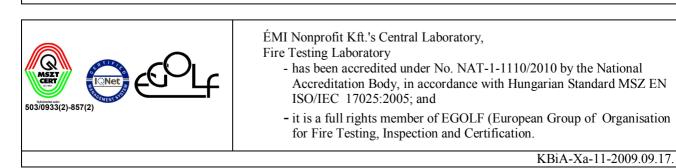
TFO-480 CONVENTIONAL AND TFO-480A ANALOG ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR WITH TFB-180 DETECTOR BASE

This CERTIFICATE OF CONFORMITY (FIRE SAFETY) is valid until 14. April 2016

Budapest, 8 of April 2011

Seal

Dr Matolcsy Károly Scientific Director





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

Identification of testing facilities:

ÉMI Nonprofit Kft. Central Laboratory (H-1113 Budapest, Diószegi út 37) Fire Testing Laboratory (H-2000 Szentendre, Dózsa György út 26)

Standards observed in testing the product:

MSZ EN 54-7:2000/A1:2003, MSZ EN 54-7:2000/A2:2007 and MSZ EN 54-7:2003 Fire detection and fire alarm systems. Part 7: Smoke detectors. Point detectors using scattered light, transmitted light or ionization
9/2008.(II.22.) ÖTM –Decree for the Ministry of the Local Government and Regional Development

Brief description and technical data of the products:

The TFO-480/ TFO-480A with TFB180 detector base are advanced photoelectric "green"smoke detectors which are made with an innovative and modern design. The TFO-480 operates with conventional fire alarm systems. The TFO-480A operates with Telefire's analog addressable control panels.

	TPH-480	TPH-480A	
Operating Voltage (supplied	1228 VDC	21V modulated	
by control panel via SLC)			
Maximum Current:	Quiescence mode: 120µA		
	Alarm mode (3 Indicators): 35mA		
	Maximum Current to indicators: 50mA		
Operating Temperature	-10 +60°C (14°F – 140°F)		
Range			
Relative Humidity Range	10 93RH% non-condensing		
Sensitivity Range Default	0,26 ±0,07 dB/m	Level 2: 0,11 dB/m;	
(no jumper)		Level 5: 0,20 dB/m;	
high sensitivity (with jumper)	0,17 ±0,07 dB/m	Level 10: 0,35 dB/m; (in 9 step)	
Diameter / weight .	\emptyset 101 × 48 mm (including TFB-180 detector base) / 98 gr.		

Field of application of the product: *Fire detection/alarm components* — *Optical smoke detectors* (96/577/EK):

Identification of technical documents: M-800/2005-2010

Technical conditions of applying the product safely:

The technical conditions are identified in section 2nd and 4th of the relevant No. M-800/2005-2010 Test Report. No. **TMT-40/2010** Certificate of Conformity (Fire Safety) covers a product which fully complies with the data and technical characteristics featuring in the Test Report marked M-800/2005-2010 and dated 18-02-2011, provided that the other conditions of application identified in section 2nd of the Test Report are met. During the life of this Certificate of Conformity, ÉMI Nonprofit Kft. is entitled to inspect the product in the manufacturing and/or distribution process, with expenses paid by the customer.

Noémi Lőrik Deputy Head of Active Fire Testing Laboratory László Kocsis Head of Scientific Department of Fire Protection