



**ÉMI Építészeti 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-28/2011

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

**TEF NEDERLAND BV
NL-2921 LH KRIMPEN AAN DEN IJSSEL,
SLIKSLOOTSTRAAT 9 A**

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):

**LSC-ISO FULLY MONITORED INTERFACE MODUL FOR SOUNDERS
LSCM1 FULLY MONITORED INTERFACE MICRO MODUL FOR
SOUNDERS**

This CERTIFICATE OF CONFORMITY (FIRE SAFETY) is valid until 15. July 2016

Budapest, 5 of July 2011



Seal


Dr Matolcsy Károly
Scientific Director



ÉMI Nonprofit Kft.'s Central Laboratory,
Fire Testing Laboratory

- has been accredited under No. NAT-1-1110/2010 by the National Accreditation Body, in accordance with Hungarian Standard MSZ EN ISO/IEC 17025:2005; and
- it is a full rights member of EGOLF (European Group of Organisation for Fire Testing, Inspection and Certification).

KBiA-Xa-11-2010.01.17.

Product manufacturer: GLOBAL FIRE EQUIPMENT Ltd.
Urb. Vale da Amoreia 16-17 Porta A/ 85-34 FARO, Portugal

Distributor: TEF Nederland BV
NL-2921 LH Krimpen aan den IJssel, Slikslootstraat 9 a

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 54-13:2005 Fire detection and fire alarm systems. Part 13: Compatibility assessment of system components
- MSZ EN 54-18:2006 Fire detection and fire alarm systems. Part 18: Input/output devices
- 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 **LSC-ISO** module is a fully monitored interface which is used to connect a line of conventional sounders to the Global Fire Addressable control panel via the detection loop. The module requires an external 24 volt Dc power supply and can supply up to 1A at the sounder output which is monitored for both open and short circuit faults. A 10K ohm end of line resistor is connected to the last sounder to provide line monitoring

The **LSCM1** interface module is a fully supervised, connected to the conventional sounders, the loop through the Global Fire conventional fire alarm control panel. The module is designed to fit in a standard audio signal (base) inside. 40 mA output to feed the audio signal can be monitored by the break and short circuit as well. Up to 32 LSCM1 each loop is connected we can, using the numbers from 94 to 125 addressing. The addressing can change the setting from 1 to 5 up to 6-way DIL switch, where each title, which shows a 94-up, switched off. The No. 6 is used to switch to silent mode, set to overwrite. The back panel is made by setting the indicator off.

	LSC-ISO	LSCM1
Supply:	Loop power	
Quiescent current [mA]:	1,3	0,75
Alarm current [mA]:	1,5	40
Dimensions [mm]:	58×48×20	37×31×16
Weight [g]:	30	15
Environment:	0...40 / > 85 (no condensation)	


Field of application of the product: (96/577/EK): *Fire detection/alarm components– sounders*

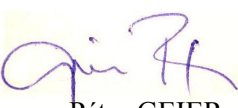
Identification of technical documents: M-388/1/2007; TMT-59/2007

Technical conditions of applying the product safely:

The technical conditions are identified in section 2nd and 4th of the relevant No. M-388/1/2007 Test Report. No. **TMT-28/2011** Certificate of Conformity (Fire Safety) covers a product which fully complies with the data and technical characteristics featuring in the Test Report marked . M-388/1/2007 and dated 28-06-2007 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 LÓRIK
Deputy Head of Active Fire
Testing Laboratory


Péter GEIER
Deputy Head of Division
of Fire Protection