



**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.

Phone: (36-1) 372-6113

Active Fire Testing Laboratory:

Phone: (36-26) 310-526

2000 Szentendre, Dózsa György út 26.

No. TMT-29/2011

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):


GFE-AD ANALOGUE ADDRESSABLE LOOP ISOLATOR

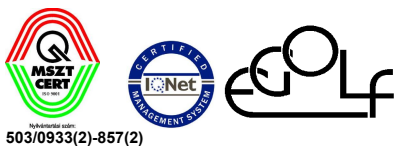
This CERTIFICATE OF CONFORMITY (FIRE SAFETY) is valid until 15. July 2016

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 54-17:2006 Fire detection and fire alarm systems. Part 178: Short-circuit isolators
- 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 GFE-AD-ISOLATOR has been designed to provide protection against short circuit faults on a GFE Junior or Juno-Net Analogue Addressable systems. The isolator protects the loop in the event of a short circuit by disconnecting the section of the loop where the short circuit has occurred. When the fault has been rectified, the isolating circuitry reconnects the affected part of the System. The unit is delivered in a White round junction box with knockouts that permit easy cable entry. Two Yellow LED indicators are provided to indicate on which side of the Device there is a short circuit (Loop In and Loop Out). This facilitates easy localisation of the fault as it is not necessary to look for two isolators to confirm the location of the affected section.

Loop power in operation [VDC]	17... 70
Minimum protokoll impulzus [V]	5...9
Operating current	120 µA (at 18V) 150 µA (at 24V) 180 µA (at 28V)
	4 mA 5,4 mA 6,4 mA
Maximum hurok áram [A]	1 (continuous), 3 (short)
Resistor [Ω]	0,2
Isolation signal:	2 yellow LED
Reconnected resistor [Ω]	175
Isolating time [s]	50
Dimensions [mm]	Ø99 × 40 (with cover)
Environment:	-20...+60, / 0...95 RH% no condensation

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

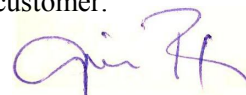
Identification of technical documents: M-388/1/2007; TMT-60/2007

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-29/2011** 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