



**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-27/2011

## 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):

**I/O ADDRESSABLE INPUT/OUTPUT MODULE, 3 I/O TRIPLE INPUT /  
OUTPUT MODULE, QUAD-ZMU AND ZMU ZONE MONITORING UNIT**

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

Budapest, 5 of July 2011

Seal

Dr Matolcsy Károly  
Scientific Director



MSZT CERT  
503/0933(2)-857(2)

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:**

EMI 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 **I/O** addressable input/output module is a fully monitored device which permits the interfacing of third party equipment with the Fire Alarm Control panel using normally open dry contact connections while also providing a changeover output relay to control ancillary equipment. The connection to the input is monitored for fault (open or short circuit) and Alarm conditions. The output relay can be powered from the detection loop (default) or optionally by an external 24Vdc supply. Relay operation is confirmed by an onboard yellow LED.

The **3I/O** Triple Input/Output Module is a fully monitored device which permits the interfacing of third party equipment with the Fire Alarm Control panel using three normally open dry contact connections while also providing three changeover output relays to control ancillary equipment. The connections to the input are monitored for fault (open or short circuit) and Alarm conditions. The output relays require an external 24Vdc supply. Relay operation is confirmed by an onboard red LEDs, a yellow general Fault LED is also provided. The 3 I/O occupies three consecutive addresses on the detection Loop.

The **ZMU** is a fully monitored interface module which is used to connect a number of current limited conventional detectors to the Global Fire Addressable control panel via the detection loop. These detectors are then seen as one address at the addressable control panel. The module can be powered from the Loop or optionally by an external power supply in which case the jumpers J1 and J2 should be removed. The detector line is monitored by a 4K7 resistor. A bi-colour LED is used to signal the status of the module.

The **QUAD-ZMU** is a fully monitored interface module which is used to connect up to four individually addressed zones of current limited conventional detection devices to the Global Fire Addressable control panel via the detection loop. The module requires an external 24 volt power supply.

	I/O	3 I/O	ZMU	ZMU-QUAD
Supply:	Loop power			
Quiescent current [mA]:	0,7			2,9
Alarm current [mA]:	3,1			3,1
Dimensions [mm]:	88×72×20		60×60×20	87×72×15
Weight [g]:	80		30	130
Environment:	-10...+50 / <85RH%			0...+40 / <85RH%

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

**Identification of technical documents:** M-388/1/2007; TMT-58/2007

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

The technical conditions are identified in section 2<sup>nd</sup> and 4<sup>th</sup> of the relevant No. M-388/1/2007 Test Report. No. **TMT-27/2011** 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 2<sup>nd</sup> 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