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

No. TMT-22/2007-2010

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):

LON-3000NETWORK COMMUNICATION MODULE

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

Budapest, 8 of April 2011

Seal

Dr Matolcsy Károly
Scientific Director

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.

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:

— EN 54-18:2005 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 LON-3000 allows the networking of several ADR-3000 control panels. The network can consist of between 2 and 32 control panels connected via LON-3000 modules and a twisted pair cable. Each control panel on the network requires its own LON-3000 module.
The use of LON-3000 enables expanding the capacity of the ADR-3000 control panel beyond 508 addresses. The control panels are connected in a peer-to-peer connection. Each control panel on the network can respond to alarm and trouble events that have occurred in other control panels. The rights can be configured through the programming menu.
Additionally, it is possible to connect up to 10 ADR-3000 modules in a fiber-optic ring topology.

•LonWorks®, TP/FT-10, 78 Kbit/s	• Distances up to 25 km
• Multi-/single mode fiber	• ST-connectors
• SC-connectors (820 nm)	• Point to point (LR-01PP)
• Bus or redundant ring	• Transparent repeater function
• Optical signal regenerated	• Alarm output indicating failure

Field of application of the product (96/577/EK): ***Fire detection/alarm components*** *— Output/input module*
Identification of technical documents: M-800/2005-2010; TMT-22/2007

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-22/2007-2010** 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