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June 24th, 2003

INSPECTION REPORT

Ref: 03/INEM/019

IN PURSUANCE OF AN ORDER RECEIVED FROM UNIPOS OOD, REQUESTING US TO CARRY OUT THE INSPECTION WITHIN THE SUBJECT AND SCOPE DESCRIBED AS FOLLOWS:

1. SUBJECT OF THE INSPECTION

Fire detectors type Manual Call Points FD xx50, presented at "Plemed" EOOD Test Laboratory in Pleven/ Bulgaria.

2. SCOPE OF THE INSPECTION

As per our offer Ref. No 0621/24.04.2003 and confirmation from the client by LN message from 16.05.2003:

- Identification of Manual Call Points FD xx50, as described herein above, by visual inspection and presented technical documentation and data (manufacturer, type, serial numbers);
- Witness test of Manual Call Points FD xx50 for compliance with the requirements of BDS EN 54-11:2001 – Fire detection and fire alarm systems. Manual Call Points.

3. RESULTS OF THE INSPECTION

The test of Manual Call Points FD xx50 was performed from May 26th to May 30th, 2003 at "Plemed" EOOD Test Laboratory F/01.01.2003 in Pleven, No 114, "Grenaderska" Street, Bulgaria.

The tests were performed by Mr. Stanoev, Mr. Chorbadzhiev, from Test Laboratory and Mrs. Evtimova, from UNIPOS OOD, observed by Mr. Ganov, representative of SGS Bulgaria Ltd. and approved by Mr. Petrov.

Manual Call Points, presented for inspection, were identified as type FD 3050 and type FD 6150. The serial numbers of the goods are listed below:

Fire detector	Manual Call Point	
	FD 3050	FD 6150
Type	FD 3050	FD 6150
Serial Numbers	140403122	100403055
	140403123	100403056
	140403124	100403057
	140403125	100403058
	140403126	100403059
	140403127	100403060
	140403128	100403061
	140403129	100403028
Nominal Supply	10 to 30 V DC	12 to 27 V DC



SGS representative witnesses the test of Manual call points, with the under noted details, stated to be representative sample of production, for compliance with the requirements of standard BDS EN 54-11:2001 – Fire detection and fire alarm systems. Manual Call Points.



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Visual inspection for compliance with drawings was performed.

The following apparatus were used during the test:

- Digital Multimeter MY 68, serial number 05071939, certificate No 160/01.10.2002;
- Heat Tunnel HT 2002, NO 01 17002, inventory No 16, as per BDS EN 54-5;
- Thermometer Hg, serial number 041, certificate No 439/27.09.2002;
- Humidity chamber, HO 01-17001, inventory No 015, certificate No 006/13.05.2003;
- Cold chamber, HO 03-17006, inventory No 028, certificate No 005/13.05.2003;
- Technical Appliance for side impact test TA 03-17007, inventory No 029, as per EN 54-11 Annex C;
- Technical Appliance for test for operation TA 03-17001, inventory No 017, as per EN 54-11 Annex A and Annex B;
- Regulated rectifier RFT 3217, inventory No 4838;
- Slide Callipers INOX, inventory No 013, certificate No 500/01.09.2002;
- Scales E 5500 S, serial number 36080001, certificate No 139/2001;
- Fire Control Pannel FS 6000, inventory No 115/2001 – used only for tests of FD 6150.

The following parts of the standard were followed:

STANDARD	DESCRIPTION	PART
Test procedure	FD xx50 00.00.00.00.TP	
BDS EN 54-11:2001	Fire detection and fire alarm systems	Part 11: Manual Call Points
BDS EN 60529:2000	Degree of protection	
IEC 60068-2-2:1974 / A1:1993/A2:1994	Environmental testing	Test Bb, Dry Heat
IEC 60068-2-1:1990 / A1:1993 / A2:1994	Environmental testing	Tests Ab:Cold
IEC 60068-2-30:1980 / A1:1985	Environmental testing	Test Db
IEC 60068-2-56:1988	Environmental testing	High Relative Humidity

The test reports No 16/11.06.2003 and No 17/11.06.2003, representing the results of the test of Manual Call Points type FD 3050 and FD 6150, have been endorsed by the above mentioned representatives of UNIPOS OOD, Test Laboratory and SGS Bulgaria Ltd. and become part of this report.

The results of the testing having been found satisfactory for the equipment, as stated above, insofar as tested at this time, complies with the requirements of BDS EN 54-11:2001, clauses 4.7, 5.1.5, 5.2, 5.3, 5.5, 5.6, 5.7, 5.9, 5.10, 5.12 and 5.15.

The findings of this Report are limited to the place and date of inspection.

SGS BULGARIA LTD.

Enclosure: Photo report 03/INEM/019/5-1
 Protocol No 16/11.06.2003
 Protocol No 17/11.06.2003

