



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 Control Panel type FS 5100, 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 Fire Control Panel, as described herein above, by visual inspection and presented technical documentation and data (manufacturer, type, serial numbers);
- Witness the test of Fire Control Panel for compliance with the requirements of EN 54-2:1997 / AC 1997, clauses 6 –10, 15.2, 15.4 and 15.5 and EN 54-4:1997 / AC1999, clauses 5, 9.2, 9.3, 9.5 and 9.6 – Fire detection and fire alarm systems.

3. RESULTS OF THE INSPECTION

Test of Fire Control Panel 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 test was performed by Mr. Stanoev, Mr. Chorbazhiev, from Test Laboratory and Mrs. Evtimova, from UNIPOS OOD, observed by Mr. Ganov, representative of SGS Bulgaria Ltd. and approved by Mr. Petrov.

Fire Control Panels, presented for inspection, were identified as type FS 5100. The serial numbers of the goods are listed below:

Fire Control Panel	FS 5100
Serial Numbers	004 / 2003 005 / 2003
Nominal Supply	220 /230 V, 50Hz
Backup Battery	24 V (2 Lead Batteries)

SGS representative witnessed the test of a Fire Control Panel, with the below-described details, stated to be representative sample of production, for compliance with the requirements of the following standards:

- EN 54-2:1997 – Fire detection and fire alarm systems – clauses 6,7,8,9,10, 15.2, 15.4 and 15.5;
- EN 54-4:1997 – Fire detection and fire alarm systems, clauses 5, 9.2, 9.3, 9.5 and 9.6.



Visual inspection for compliance with drawings was performed.

The following apparatus were used during the test:

- Digital multimeter MY-68, serial No 05071939, certificate No 160/01.10.2002;
- Regulated rectifier RFT 3217, serial No 4838;
- Autotransformer AL 2500, serial No 77497;
- Technical Appliances TA 03-17001, inventory No 023, certificate No 001/12.05.2003, TA 03-17003, inventory No 025, certificate No 002/12.05.2003, TA 03-17004, inventory No 026, certificate No 003/12.05.2003;
- Non standard setting, HO 03-17008, inventory No 030, certificate No 004/12.05.2003;
- Cold chamber, HO 03-17006, inventory No 028, certificate No 005/13.05.2003;
- Humidity chamber, HO 01-17001, inventory No 015, certificate No 006/13.05.2003;
- Thermometer, certificate No 169/05.03.2003;
- Scales 10kg, precision to 10 mg, E 5500,
- Battery, 4 pcs., 12V, 7Ah;
- Rate of rise heat detector FD 3020, serial No 270103271;
- Optical smoke detector FD 3030, serial No 110403159;
- Manual call point, serial No 140403136.

The following parts of the standard were followed:

STANDARD	DESCRIPTION	PART
BDS EN 54-2:2000	Fire detection and fire alarm systems	Part 2: Control and indicating equipment
EN 54-2:1997 / AC:1997	Fire detection and fire alarm systems	Part 2: Control and indicating equipment
BDS EN 54-4:2000	Fire detection and fire alarm system	Part 4: Power supply equipment
EN 54-4:1997 / AC:1999	Fire detection and fire alarm systems	Part 4: Power supply equipment
IEC 60068-2-1:1990 / A1:1993 / A2:1994	Environmental testing	Part 2: Tests – Tests A: Cold
IEC 60068-2-3:1969	Basic environmental testing procedures	Part 2.1: Tests – Tests Ca: Damp heat, steady state

The protocol No 015/11.06.2003, representing the results of the test, has 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 EN 54-2:1997, clauses 6, 7, 8, 9, 10, 15.2, 15.4 and 15.5 and the requirements of EN 54-4:1997 / AC:1999, clauses 5, 9.2, 9.3, 9.5 and 9.6.

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

SGS BULGARIA LTD.



Enclosure: Photo report 03/INEM/019/1
Protocol No 015/11.06.2003

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Photo 1: Cold Chamber with Fire Control Panel FS 5100



Photo 2: Fire Control Panel FS 5100 with Technical Appliances



Photo 3: Humidity Chamber with Fire Control Panel FS 5100