

NATIONAL TRANSPORT TAXI REGULATOR. COMMENT ON FIRE ALARM SYSTEM

By William Farrell Limited

Results of the test performed by Chubb Ireland Limited on the Fire Alarm system at 35 Fitzwilliam Square, Dublin 2 for the National Transport Taxi Regulator

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30 August 2012

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EXECUTIVE SUMMARY

Upon inspection of 35 Fitzwilliam Square, Dublin 2, William Farrell Limited (WFL) surmise that the Fire Alarm System is in need of some upgrading.

WFL carried out an inspection of the suitability and integrity of the existing wiring to the Fire Alarm System while Chubb Ireland Limited carried out a survey to determine the level of protection provided.

The wiring to the system is in good condition with some upgrading required to the level of protection to ensure compliance with IS 3218:2009 /AC2010.

	Category	Condition
1	Fire Alarm Services	Good condition
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In order to obtain IS Certification all of the defects in the attached report must be addressed and rectified as soon as possible to ensure compliance with the current edition of the IS 3218: 2009 / AC2010 as issued by the National Standards Authority of Ireland.

Purpose:

To comment on the state of the Fire Alarm System, to include information of the integrity of the wiring to the system and the level of protection currently installed.

Test:

William Farrell Limited tested the integrity of the wiring to the fire alarm system.

Chubb Ireland Limited carried out a survey of the level of protection offered by the fire alarm system in this premises.

Results:

The results of the tests performed by Dean Fields on the 23 August 2012 are set out below in the results section of this report. All areas that did not meet current specifications as set out in IS 3218:2009 for Fire Detection and Alarm Systems issued by the National Standards Authority of Ireland were noted. The remedial action required is noted with each point.

Conclusion:

It is the opinion of William Farrell Limited that defects listed on page 3 require immediate attention to comply with IS 3218:2009 for Fire Detection and Alarm Systems issued by the National Standards Authority of Ireland.

Furthermore, it is recommended that National Transport Taxi Regulator set up a preventative maintenance programme to maintain the standard of installation once the initial remedial works have been carried out.

SECTION 1 – FIRE ALARM SERVICES

Chubb Ireland Ltd. currently services the fire alarm in the premises. The integrity of the fire alarm cabling was checked and found to be acceptable. Therefore this section primarily deals with the condition of the fire alarm detection system.

The report issued by Chubb lists a number of shortcomings with the installation. The following is a summary of Chubb's report and recommendations.

- 1) The fire alarm panel is a single loop panel of Morley Manufacture
- 2) The system does not comply with current standards due to lack of smoke detectors in some escape routes
- 3) Some of the detection devices are sited too close to the walls. (due to building design)
- 4) There are a number of conventional devices installed at ground level
- 5) There are a number of redundant fire alarm devices in situ from an older installation

Recommendations:

- 1) Supply, fit and wire additional smoke detectors in escape routes
- 2) Resite existing smoke detectors away from walls
- 3) Replace conventional devices with addressable units
- 4) Remove redundant devices
- 5) Safe disposal of ionisation smoke detectors
- 6) Perform bell test
- 7) Supply and install additional bells if necessary following sound test
- 8) Commission and test the entire system on completion of works

See report as issued by Chubb Ireland Ltd at appendix 1