Environmental Tests on Signal Light

For	Federal Signal Corporation 2645 Federal Signal Drive University Park, IL 60466
P.O. Number	1385826 - ON
Date Tested	4/26/2019 – 4/30/2019
Test Personnel	Alex Dolecki
Test Specification	ISO 20653

Test Report By:

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1. Report Revision History

Revision	Date	Description
–	May 17, 2019	Initial release
A	May 20, 2019 By Alex Dolecki	- Changed report number to 1901590-01 Rev. A in the header of each page and the title page. - Removed some photographs in Section 12.2.4 since the DUT in those photographs is not included in this report.

2. INTRODUCTION

This document presents the results of a series of environmental (ENV) tests that were performed on 1 Signal Light (hereinafter referred to as the Device Under Test (DUT)). The DUT was identified as follows:

Part Number	Serial Number
Part ID: RSL-BE-GY base with RSL-SM-GY, RSL-LMS-F-A, WML-012-024GY	S/N 1

3. TEST SPECIFICATION

The tests were performed in accordance with ISO 20653.

4. MODIFICATIONS MADE TO DUT AND/OR DEVIATIONS TO SPECIFICATION DURING TESTING

No modifications were made to the DUT and no deviations from the specification were made during the testing.

5. SUMMARY

The following ENV tests were performed and their results are shown below:

Test Description	Specification Section	Test Results	S/N	Date Tested
Dust IP6K	ISO 20653, IP6K	Compliant	1	4/26/2019
Pressure Wash IP9K	ISO 20653, IP9K	Compliant	1	4/29/2019 – 4/30/2019

6. OPERATION STATES

The ENV tests were performed with the DUT operating in one or more of the test modes described below.

6.1. Unpowered

The DUT was unpowered for the duration of the testing.

7. PERFORMANCE MONITORING

Performance monitoring was not required for this testing.

8. ACCEPTANCE CRITERIA

1) The DUT shall satisfactorily withstand exposure to dust without physical damage or dust intrusion.
2) The DUT shall satisfactorily withstand exposure to a pressurized stream of water without physical damage or water intrusion.

9. TEST METHOD

The tests were performed using the referenced methods described in ISO 20653.

10. CERTIFICATION

Elite Electronic Engineering Incorporated certifies that the information contained in this report was obtained under conditions which meet or exceed those specified in the test specifications. The data presented in this test report pertains to the DUT at the test date as operated and monitored if required. Any electrical or mechanical modification made to the DUT subsequent to the specified test date will serve to invalidate the data and void this certification.