

NET SAFETY

MONITORING INC.

Model: TL-UV/IR
Class 1, Division 1
UV/IR Test Lamp



ISO 9001:2000



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This manual is a guide for the use of a UV/IR Test Lamp and the data and procedures contained within this document have been verified and are believed to be adequate for the intended use of the Test Lamp. If the Test Lamp or procedures are used for purposes other than as described in the manual without receiving prior confirmation of validity or suitability, Net Safety Monitoring Inc. does not guarantee the results and assumes no obligation or liability.

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WARNING!

THE LIGHT EMITTED BY THIS DEVICE CAN BE VERY HARMFUL TO THE EYES. AVOID LOOKING INTO THE LENS WHEN OPERATING THE LAMP!

OPERATING INSTRUCTIONS

BASIC RESPONSE TEST

It is recommended that two people perform the testing procedures. One person will operate the test lamp, while the second person sets up the controllers and observes the response of the system to the test lamp.

The first step in testing a UV/IR system is to place the controller in bypass mode as described in the system manual to verify sensor response. Follow the operations manual for the controller to place the first detector in bypass and initiate the manual VI (Visual Integrity) test as described. Now activate the test lamp and direct the centre of the light beam onto the centre of the window on the IR detector(0.5" window) from a distance not greater than five feet from the detector window.

This activation should produce IR counts greater than 20 on the controller's display for infrared detectors. The controller should display an ultraviolet detector count that varies from a value greater than 100 to a value less than 50. The variation of UV count is due to the flashing UV source.

If the above tests do not produce the specified results there may be a problem with the system or the batteries in the lamp may be depleted. All optical surfaces should be cleaned and the test repeated. If the system still does not respond as specified there may be an electrical problem and a service technician should be contacted immediately.

SYSTEM FIRE RESPONSE TEST

It is important to verify system response to a fire. System response includes relay and analog output activation. This test is performed with the controller on-line therefore **it is IMPORTANT to disable all external response devices and shut-downs**. Utilize the test lamp as described above and verify that the controller outputs become active as programmed. Carefully verify analog output response and relay response. Remember to enable external response devices after the test.

BATTERIES

DO NOT OPEN THE LAMP HOUSING OR USE THE RE-CHARGER IN A HAZARDOUS AREA

A 9.6 Vdc battery pack is required and this is located inside the unit. Open the lamp by unscrewing the two halves of the housing. The included battery packs are rechargeable NiCad types and these may be recharged using the included re-charger. The charging time is approximately 16 hours per battery pack. To maintain the batteries in optimum working condition, they should be used as long as they will power the lamp properly before being recharged.



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