
DOCUMENT CONTROL NUMBER /

M800 DETECTORS AND BASE

SERVICE AND MAINTENANCE

1. INTRODUCTION

This publication details the various checks recommended for keeping the detectors in good working order. Carry out maintenance on control equipment and auxiliary equipment as laid down in the relevant publication.

WARNING:

ANY AUXILIARY UNITS WHICH ARE CONNECTED MAY OPERATE DURING THE FOLLOWING PROCEDURES UNLESS DISABLED BY WITHDRAWING FUSES ETC.

ATTENTION IS DRAWN TO PUBLICATION 05A-03-S1 IF THE SYSTEM INCLUDES AN ELECTRICALLY-OPERATED GAS EXTINGUISHING SYSTEM.

1.1 PERIODIC INSPECTION

- a) Ensure that there have been no structural changes which may require a change of protection. Any such changes must be the subject of a report to the Service Department.
- b) Check that no physical damage has occurred to the detectors, and that stability and alignment are not disturbed.
- c) Check that the interconnecting cables are undamaged and secure.
- d) Check Heat Detectors (800H), Smoke Detectors (800I, 800PH) and CO Detector (800CH) to confirm that a clear space of at least 600mm radius is preserved in all directions below the mounting plane of the detector.
- e) Check Smoke (800I, 800PH) Detectors to confirm that the passage of smoke into the detector is not obstructed by surrounding objects.

- f) Check those detectors, as required in the servicing schedule, for correct operation. Detectors which fail to operate satisfactorily must be removed, a replacement inserted and the detector re-commissioned. Do not attempt to disassemble or repair a detector but return it to the factory for disposal.

- g) For detector replacement times, refer to Para 3.

Note: The return of Ion Chamber Detectors (800I) is to be carried out in accordance with the latest Company Instructions for the Handling and Transportation of Radioactive Materials.

2. ASSOCIATED EQUIPMENT

The following equipment is recommended for testing the 800 range of detectors.

Smoke Detectors

Suretest Aerosol: 517.001.229

Heat Detectors

Solo451 Cordless Heat Detector Tester Kit: 517.001.241

Carbon Monoxide Detectors

CO Field Test Kit: 517.001.233

M800 SERIES

17A-04-DETS

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3. SMOKE DETECTOR REPLACEMENT

All Tyco Electronic Product Group detectors are designed to provide trouble free performance between service. The length of time between service for each detector will depend upon the environment into which they are installed.

For all detection systems, Tyco Electronic Product Group recommends that the detector are inspected, tested and cleaned as required at least annually. They must be removed for service replacements as follows:

MX Digital Addressable smoke detectors: As advised by the fire controller.

CO fire detectors: At least every five years.

JM/jm

8th September 2000