

Testing PAD100 Series Devices

This document provides information on the recommended method for functionally testing PAD100 series detectors. This information is also available in the installation instructions packaged with every PAD100 series detector base. The installation instructions for the detector bases provide important information in addition to the functional testing procedures outlined in this document.

Testing is required periodically to determine if each detector operates properly. Detectors will offer maximum performance when tested in compliance with NFPA 72.

Before testing disable all alarm signal services, suppression systems and critical equipment interlocks. Be sure to re-enable those items when testing is completed.

The FACP must be placed into Walk Test Mode before performing the functional tests described below.

When the panel is in Walk Test, the CO detectors will respond quickly to the recommended test aerosol, eliminating the need to maintain a specific concentration of CO for a prolonged period. Failure to activate during a test indicates a defective detector that should be replaced immediately.

Recommended Functional Test Methods

- **PAD100-PD and PAD100-PHD Smoke Detectors** - Use an ANSI/UL listed aerosol such as Home Safeguard Model 25S or SDI Smoke Centurion as acceptable to the Authority Having Jurisdiction (AHJ). The LED indicator on the smoke detector will flash rapidly when detector is activated.
- **PAD100-PHD and PAD100-HD Heat Detectors** - Use of a low powered heat gun is acceptable, do not heat detector over 210 degrees F. Maintain a minimum of 1 foot between the detectors and heat gun for a minimum of 10 seconds. The LED indicator on the heat detector will flash rapidly when detector is activated.
- **PAD100-CD Carbon Monoxide Detector** - Use the Home Safeguard Model HO-CO2 Aerosol with Home Safeguard Model Versa-Test Head VT1 or the SDI Solo C6 Aerosol with SDI Solo 330 Dispenser as acceptable to the Authority Having Jurisdiction (AHJ). Never use exhaust from vehicle to test CO detector. Exhaust may cause permanent damage to detector and voids the warranty. The LED indicator on the CO detector will flash rapidly when detector is activated.