

Model 3240-01 Flame Detector Tester

Description

The Model 3240 (Tester) simulates a UV/IR flame signature by emitting a steady state UV signal and a modulated IR signal at a flicker frequency of 5 to 10 Hz. This simulation will cause the 3200 flame detector to report an alarm. The Tester is designed for use in Clean Room or Wet Bench applications.

The Tester is intended for use in those applications where regular testing, as required by NFPA 72, is performed or where the use of a real fire is impractical. The Tester is rated over a wide operating temperature range for those applications where drying or heating elements may be present.

Features

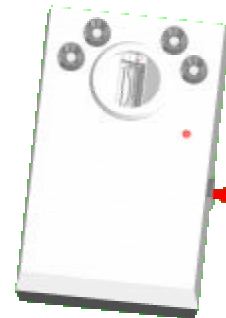
- Wide operating temperature range.
- Surfaces are smooth, non-shedding, and scuff resistant.
- Conforms to the operational specification for the Model 3200 Wet Bench Flame Detector.
- Generates an Industry Standard UV/IR Signature for use with a variety of devices.
- Uses commercially available 9-volt batteries (not a proprietary power module).

Specifications

Sensitivity	Typically alarms a 3200 in 3 seconds when viewed on-axis @ 1-3 feet
Housing	White ABS Plastic
Power	Standard 9-Volt Battery
Operating Temperature	0° to 75° C.
Operating Humidity	10% to 90%.
Footprint	2.6 in. wide by 4.1 in. long by 1.5 in. thick
Red LED	A flashing LED indicates Operation
Spectral Emission	Radiant UV energy in the 185 to 260 nm band and IR energy at 880 nm.

Basic Operation

Hold the Tester approximately 2 feet from the Detector to be tested. Aim the Tester at the Detector and press the red button. The Red LED will flash on and off and after approximately 3 seconds the detector will report an alarm. Note that the detector must be in normal operation (see the Detector's User Manual).



Trouble Shooting

The detector fails to alarm. Be sure the Tester is directly in front of the detector and 2 feet away from the face of the detector. The Tester must have an unobstructed view of the detector. Repeat the test 2 or 3 times. If the detector passed on a repeat test, start with procedure # 2 below.

Follow the procedures below in order. With each procedure if the procedure does not solve the problem move to the next procedure.

1. Verify the Detector is on and functioning. The LED's on the front of the detector should blink every 8 seconds. If they do not, see the Detector's User Manual for corrective action.
2. Replace the 9v battery located in the Tester and retest the detector.
3. Try the Tester on another detector whose operation can be verified by a flame test (See the Detector's User Manual). If the verified detector alarms to the Tester retest the first detector. If not return the Tester for repair. If the first detector fails the test it should be replaced and/or repaired.