



Description

The Model 3140 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 Model 3100 flame detector to report an alarm. Like the Model 3100 detector the 3140 is designed for use in Hazardous environments.

The Model 3140 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 3140 is rated over a wide operating temperature range for those applications where Flammable materials may be present.

Features

- Wide operating temperature range.
- Surfaces are smooth, non-shedding, and scuff resistant.
- Conforms to the operational specification for the Model 3100 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 3100 in 3 seconds when viewed on-axis @ 2-15 feet
Housing	Aluminum with Red Epoxy Paint
Power	Standard 9-Volt Battery
Operating Temperature	-40° to 85° C.
Operating Humidity	10% to 90%.
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 between 2 and 20 feet from the Detector to be tested. Aim the Tester at the Detector and press the 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).

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