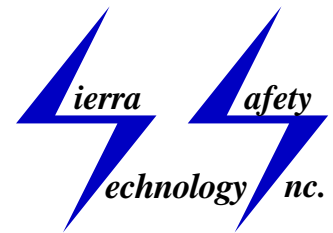


Sierra Safety Technology, Inc.

DT101 UV/IR Tester



Visit our Web site @ <http://www.sierrasafety.com>

Description

The DT101 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 DCR1 flame detector to report an alarm. Like the DCR1 detector the DT101 is designed for use in Clean Room or Wet Bench applications.

The DT101 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 DT101 is rated over a wide operating temperature range for those applications where drying or heating elements may be present.

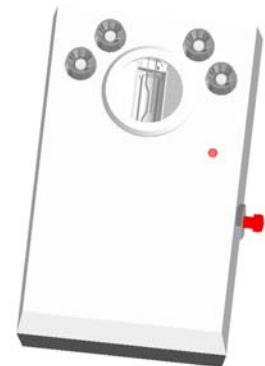


Figure 1 -The DT101 UV/IR Tester

Features

- Wide operating temperature range.
- Surfaces are smooth, non-shedding, and scuff resistant.
- Conforms to the operational specification for the DCR1 and RED-1 ST Flame Detectors.
- 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 DCR1 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.

Operation

Hold the DT101 approximately 2 feet from the Detector to be tested. Aim the DT101 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)

Ordering Information

Part Number	Name	Description
T004-0001	DT101	Hand held UV/IR Test Source for the DCR1

This specification is subject to change without notice.