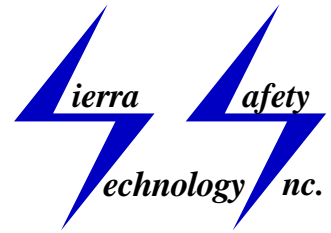


Sierra Safety Technology, Inc.

DT201 UV/IR Tester



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

Description

The DT201 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 RED1 flame detector to report an alarm. Like the RED1 detector the DT201 is designed for use in Hazardous environments.

The DT201 is intended for use in those applications where regular testing, as required by NFPA 72, is performed and the use of a real fire is impractical. The DT201 is rated over a wide operating temperature range for those applications where Flammable materials may be present.



Figure 1 -The DT201 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.
- Uses commercially available 9-volt batteries (not a proprietary power module).
- Operates for 3-4 hours between battery replacements.

Specifications

Sensitivity	Typically alarms a RED1 in 3-5 seconds when viewed on-axis @ 2-15 feet
Housing	Explosion Proof 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 between 700 nm and 3.5 um.

Operation

Hold the DT201 between 2 to 15 feet from the Detector to be tested. Aim the DT201 at the Detector and press the button. The Red LED on the tester will flash on and off. After 3 to 5 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
T006-0001	DT201	Hand held UV/IR Test Source for the RED1

This specification is subject to change without notice.