



**GROVELEY DETECTION**

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## Flame Detector Test Lamp T-229/4P

The T-229/4P flame detector test lamp activates UV, IR and UV/IR flame detectors that respond at 185-235 nm UV and 4.4 micron IR radiation. For UV only detectors the maximum distance is up to 8 metres. The typical test range for IR and UV/IR detectors is up to 4 metres.

Most IR flame detectors have an extra alarm criterion through analysing the flicker frequency of a fire. In order to simulate the flame flicker the lamp needs to be pulse operated. The test lamp can be put into pulse mode using the switch on the left side of the lamp, the lamp then emits pulsed light with a frequency of approximately 2Hz. After the alarm delay time the IR or UV/IR flame detector will activate.

### ■ Operation

Before a test is carried out make sure the flame detector is switched on and the alarm outputs are in override.

The test lamp will turn on by pressing the trigger and turns off when releasing.

Point the torch at the flame detector within the test range and on the central axis of the detector cone of vision. Press the trigger and wait until the flame detector activates. Ensure the switch on the left of the detector is in continuous mode.

For IR or UV/IR detectors the switch on the left of the test lamp should be in the pulse mode. In this mode the test lamp emits light with a pulse frequency from 2Hz. Operate the switch for at least the selected delay time. Most flame detectors will respond within 30 seconds when the test criteria are met. Do not use the test lamp in intermittent operation for longer than 1 minute. Wait at least 30 seconds after each test before performing the next test.



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buying quality...*

# Flame Detector Test Lamp T-229/4P

## TECHNICAL DETAILS

### **Charger**

- 110-240 VDC, 500 mA switching with plug for: US, EU, GB and Aus

### **Range**

- UV flame detectors up to 8 metres, 4m in pulse mode
- IR and UV/IR detectors up to 4 metres

### **Dimensions**

- 150 x 240 x 135 mm
- Weight 2.1 Kg

### **Battery**

- Sealed Lead battery, 12 Vdc / 2.8 Ah

### **Lamp**

- Halogen, 12 V dc / 100 Watt

### **Use**

- 10-15 minutes under optimal conditions

### **Housing**

- ABS (plastic)

### **Protection**

- IP30 / NEMA 1

### **Temperature**

- +4 to +40°C

### **First Use**

Remove the battery cover (on top of the test lamp) and remove the battery. Place the battery back into the compartment in such a way that the terminals of the 12 VDC battery make contact with the terminals of the lamp.

Place the battery cover in the original position. The batter is already charged when leaving Groveley. However the units should be charged immediately after purchase for at least four hours (six hours max).

### **Charging**

Plug in the charger and cable to the test lamp. The charge time for a completely discharged batter is  $\pm$  four hours. Do not charge for more than six hours. The test lamp must be fully charged when stored. Every three months the unit should be recharged when stored without use. During charging the red LED in the test lamp handle is on. However, when the test lamp is completely discharged, it may take up to four hours for the LED to become illuminated.

### **Note**

Please read the following instructions carefully:

- The lifetime of the battery is negatively influenced if the test lamp is used continuously for longer than ten minutes at a time.
- The T-229/4P test lamp has a protective grate which should not be removed.
- Do not stick objects through the grate.
- Store the test lamp clean and dry. A dirty reflector will reduce the test range.
- Do not use the test lamp in wet conditions.
- Keep away from children.
- Do not point directly at eyes from a short distance. Do not look directly into the light.
- The lamp should not be used when damaged.
- Do not open the test lamp, send it back to Groveley for repair.
- Do not throw the unit in a fire. The battery could explode when exposed to intense heat.
- Warning, after use the grate may be hot.
- The sealed battery has a lifetime of several years. Please ask your local city official how to dispose the unit.
- Not suitable for IR/IR- (dual IR), IR/IR/IR (IR3 or triple IR) flame detectors.
- Make sure testing of the flame detectors does not activate unwanted alarm signals.
- Only use in safe areas, or with appropriate permits.

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