

Test Lamp PSS-ML

APPLICATION

The PSS-ML Test Lamp is a compact, battery operated source of IR radiation for periodic testing of PM-5MP+ Series Flame Detectors. The PSS-ML simulates a fire by producing a beam of IR radiation with the same wavelength as the response range of the PM-5MP+, thereby enabling the operator to verify proper operation without the need for an open flame. The device is suitable for use in hazardous (classified) areas.



INSTALLING BATTERIES

CAUTION

Change batteries only in a safe (non-hazardous) location.

1. Unscrew the bezel and remove the reflector lamp.
2. Insert two size “AAA” alkaline batteries as shown in Figure 1. Observe correct polarity.
3. Inspect the O-ring to be sure that it is in good condition, then insert the reflector lamp into the bezel and install the bezel on the case (turn clockwise).

ON/OFF

To turn the light on, turn the bezel clockwise until the light comes on. To turn the light off, turn the bezel counter-clockwise at least one and a half turns.

TEST PROCEDURE

WARNING

A full system test results in an alarm output. This will result in the suppression system being activated if it is not disabled prior to testing.

1. **Suppression System.** Disable the suppression system if its activation is not desired during this test.
2. **Operation of PSS-ML Test Lamp.** Turn on the PSS-ML and wait at least 15 seconds. Direct the beam into the front of the detector as shown in Figure 2. Hold the PSS-ML so that the bezel is less than 1 inch from the front of the flame detector and move it from side to side to expose both sensors and to create a “flicker” effect.

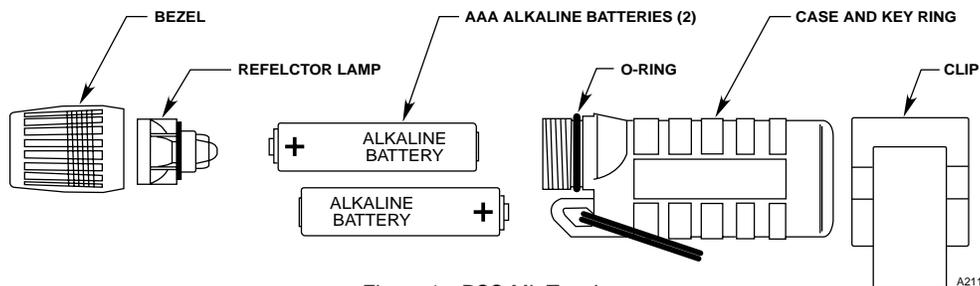


Figure 1—PSS-ML Test Lamp



Figure 2—Testing a PM-5MP+ Using a PSS-ML Test Lamp

3. **Fire Response.** Expose the sensor under test to a PSS-ML as described in Step 2. The control panel should indicate an alarm condition for the position or zone corresponding to the sensor.
4. **Restore Fire Protection System.** Restore the system to an operational condition after all tests have been completed.

MAINTENANCE

The O-ring and the surfaces around the O-ring must be kept clean to maintain the watertight seal. Periodically the O-ring should be lubricated to maintain the watertight seal and to ensure smooth rotation of the bezel. Use care when removing the O-ring. Do not use tools that can damage the O-ring or the sealing surfaces.

When storing the test lamp for long periods of time, remove the batteries to prevent leakage and possible damage to the device.

To prolong lamp life after loading fresh batteries, it is better to turn the light on for several minutes to “age” the batteries rather than flicking it on and off many times.

To ensure that active hydrogen removal catalyst is present in the light, replace the reflector lamp if it gets wet.

ORDERING INFORMATION

When ordering, please specify:

| Part Number | Description |
|-------------|----------------------------|
| 007351-001 | PSS-ML Test Lamp |
| 007356-001 | Replacement Reflector/Lamp |

Detector Electronics Corporation

6901 West 110th Street • Minneapolis, Minnesota 55438 • Operator (952) 941-5665 or (800) 765-FIRE
Customer Service (952) 946-6491 • Fax (952) 829-8750 • www.detronics.com • E-mail: detronics@detronics.com