

# Australian Standard<sup>®</sup>

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## Automatic fire detection and alarm systems— Methods of test for actuating devices

### Method 25: Indicator visibility test

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**1 SCOPE** This Standard sets out the method of evaluating the visibility of alarm indicators on actuating devices.

**2 APPLICATION** This Standard is intended to be used in conjunction with the performance requirements in the appropriate device Standard.

**3 PRINCIPLE** The activating device is mounted on an illuminated, white background and the alarm indicator is observed to determine its visibility at specified direction and distance.

**4 APPARATUS** The test equipment shall consist of a 500 mm × 500 mm (or greater) board painted flat white, a white incandescent or equivalent floodlamp, and a photometer. The white board shall be arranged vertically so that the centre of the board is located 1300 ± 50 mm above the floor level.

A floodlamp shall be arranged so that the lamp filament is 1850 ± 50 mm above the floor level. The lamp shall be located at a suitable distance from the board so that the reflected illuminance from the board measured by a photometer is 450 lux ± 50 lux. Refer to Figure 1.

**5 PROCEDURE** The procedure shall be as follows:

- (a) Mount the actuating device to the centre of the white board. Connect the device to a suitable power source.
- (b) Illuminate the board using the flood lamp so that the reflected illuminance is as prescribed in Clause 4.
- (c) View the indicator in both ON and OFF states as follows:
  - (i) From a distance of 6 m at up to 5° from the axis of the device in any direction (Figure 2a).
  - (ii) From a distance of 6 m at up to 70° from the axis of the device when facing the part of the device on which the indicator is fitted (Figure 2b).

**6 TEST REPORT** The following shall be reported:

- (a) Information identifying the activating device.
- (b) Whether the indicator was clearly discernible as ON and OFF for each test.
- (c) Reference to this Standard, i.e. AS 2362.25.
- (d) The minimum voltage or current to be applied to the actuating device to guarantee clear discernibility of the indicator in the alarm condition.