

# Australian Standard™

## Fire detection, warning, control and intercom systems—Methods of test

### Method 25: Indicator visibility test

AS 2362.25

#### 1 SCOPE

This Standard sets out a method for 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.

The 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 ±50 lux. Refer to Figure 1.

#### 5 PROCEDURE

The procedure shall be as follows:

- (a) Mount the actuating device on the centre of the white board. Connect the device or indicator to a suitable power source.
- (b) Illuminate the board using the floodlamp 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 distances of 6 m at up to 5° from the axis of the device in any direction (see Figure 2(a)).
  - (ii) From a distances of 3 m at up to 45° from the axis of the device when facing the part of the device on which the indicator is fitted (see Figure 2(b)).