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

Method 20: Overload test

1 SCOPE

This Standard sets out the method for testing the resistance to overload of actuating devices. (See performance requirements in the appropriate device Standard.)

2 PRINCIPLE

An actuating device is subjected to repeated operations to determine its ability to function with an externally connected electrical load.

3 APPARATUS

Suitable power supply to meet the requirements of Clause 4.

4 PROCEDURE

The procedure shall be as follows:

- (a) Connect the actuating device to a test load of 150% of the manufacturer's rating for the actuating device output circuit.
- (b) Subject the actuating device to 50 cycles of alarm state operation at a rate of not more than 6 cycles per minute. Each cycle shall start with the actuating device energized in the normal stand-by condition.

Initiate the actuating device by smoke or other means, then restore it to normal stand-by condition.

5 REPORTING OF RESULTS

The following shall be reported:

- (a) Information identifying the actuating device.
- (b) Whether the actuating device was capable of operating in the normal manner throughout the tests.
- (c) Reference to this test method, i.e. AS 2362.20.