SYNOPSIS OF IS/ISO 7240-22: 2017 'FIRE DETECTION AND ALARM SYSTEMS − PART 22 SMOKE-DETECTION EQUIPMENT FOR DUCTS'

This standard specifies the requirements, test methods and performance criteria for smoke-detection equipment for ducts (SDED) for use in fire detection and alarm systems installed in buildings.

The SDED samples the air from a duct and detects smoke in the sample.

The SDED can use smoke detectors complying with IS/ISO 7240-7 or other detectors complying with tests specified in this document.

A common application for SDED is to detect visible smoke, for which detectors using scattered light or transmitted light can be more suitable. However, requirements for detectors using ionization are also included in this document for use in applications where detection of less visible fire aerosols is desired.

For the testing of other types of smoke detectors or smoke detectors working on different principles, this document can be used for guidance. Smoke detectors with special characteristics, developed for specific risks, are not covered.

This Indian Standard is identical with ISO 7240–22: 2017 'Fire detection and alarm systems ─ Part 22: Smoke detection equipment for ducts' issued by the International Organization for Standardization (ISO).