

## International Safety Technology Limited

# SERIES 60 DETECTORS FOR USE IN HAZARDOUS AREAS

*The Series 60 range of smoke and heat detectors includes intrinsically safe versions, specifically developed for use in hazardous areas.*

### AVAILABILITY

An ionisation smoke detector, integrating ionisation smoke detector and five grades of heat detector are available.

### FUNCTION

The Series 60 IS detectors are functionally equivalent to their standard Series 60 counterparts. They differ in design only in that their circuits and construction have been modified to conform to the requirements of EN 50014: 1997 and amendments 1 & 2, EN 50020: 2002 and EN 50284: 1999.

All types are certified EEx ia IIC T5 at ambient temperatures up to 40°C or T4 at ambient temperatures up to 60°C.

The EC-Type Examination certificate number, applicable to all types, is BAS02ATEX1288.

### MECHANICAL CONSTRUCTION

Series 60 IS detectors use the same outer casings as the standard Series 60 detectors, and therefore share the same dimensions. The detectors are identified as intrinsically safe by a printed legend around the lid (see photo above).

The detectors must be used with the certified Series 60 IS base which is considered for certification purposes to be part of the detector.



### Part nos:

55000-212	Ionisation smoke detector
55000-213	Integrating ionisation smoke detector
55000-110	Grade 1 heat detector (60°C)
55000-111	Grade 2 heat detector (65°C)
55000-112	Grade 3 heat detector (75°C)
55000-113	Range 1 heat detector (80°C)
55000-114	Range 2 heat detector (100°C)
45681-207	Base

The base is marked with the legend 'PART OF BASEEFA CERTIFIED DETECTOR - CERT NO BAS02ATEX1288'. Use of any other base will invalidate the approval.

### SYSTEM REQUIREMENTS

The detectors must be used in a system which includes suitable safety barriers and which is certified by BASEEFA or other competent body.

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