

# SERIES 65E (EN) CONVENTIONAL FIRE DETECTORS

Context  
Plus

Our Series 65E EN54 compliant detectors incorporate well-proven sensing technologies. The range comprises optical and ionisation smoke detectors, two grades of heat detector and a range of bases. Each has an LED which flashes in stand-by, is clear in quiescent and lit red in alarm.

- ▶ Wide-operating voltage of 9–33 V DC
- ▶ Remote indicator connection as standard
- ▶ Proven detection performance



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Series 65E Optical smoke detector  
Part Number 55000-316IMC

## SERIES 65E SMOKE DETECTOR WITH FLASHING LED 55000-316IMC (Optical)

Detection principle:	Photo-electric detection of light scattered in a forward direction by smoke particles
Power-up surge current:	115µA @ 24VDC
Status Indicator:	Red in Alarm, Off in Fault condition
Quiescent current:	30 - 50µA @ 24VDC
Supply wiring:	Two wire supply, polarity insensitive
Alarm current:	52mA @ 24VDC
Supply voltage:	9VDC to 33VDC
Alarm LED current:	4mA
Operating Temperature:	-20 to 60°C
Terminal functions:	Includes Remote Indicator connection –R
Humidity:	0% to 95% (no condensation or icing)
IP Rating:	IP23D
Materials:	Flame Retardant Polycarbonate Housing, Nickel plated stainless steel terminals
Effect on Wind Speed:	None for optical



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Series 65E Heat detector  
Part Numbers  
55000-121IMC / 55000-131IMC

## SERIES 65E HEAT DETECTORS WITH FLASHING LED 55000-121IMC / 55000-131IMC

The Series 65E Heat Detectors monitor temperature by using either a dual thermistor network or a single thermistor network (CS versions) which provides a voltage output proportional to the external air temperature.

Power-up surge current:	55µA @ 24VDC
Status Indicator:	Red in Alarm, Off in Fault condition
Quiescent current:	55µA @ 24VDC
Supply wiring:	Two wire supply, polarity insensitive
Alarm current:	52mA @ 24VDC
Supply voltage:	9VDC to 33VDC
Alarm LED current:	4mA
Operating Temperature:	-20°C to +90°C
Terminal functions:	Includes Remote Indicator connection –R
Humidity:	0% to 95% RH
IP Rating:	IP23D
Materials:	Flame Retardant Polycarbonate Housing, Nickel plated stainless steel terminals
Effect of Atmospheric pressure:	None
Maximum application temperature:	50°C (55000-121IMC), 80°C (55000-131IMC)
Maximum static response temperature:	65°C (55000-121IMC), 100°C (55000-131IMC)



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Series 65E base  
Part Number 45681-200IMC  
Part Number 45681-245

## CONTEXT PLUS SERIES 65E BASES 45681-200IMC / 45681-245

Series 65E bases have been designed to enable detectors to be plugged in without any need for force - particularly useful on suspended ceilings. All versions are lockable.

### 65E EN ORDER CODES

	Part Code
Series 65E Optical smoke detector, UL Listed with Flashing LED, Context Plus branded	55000-316IMC
Series 65E A1R (54 to 65 °C) heat detector, UL Listed with Flashing LED, Context Plus branded	55000-121IMC
Series 65E CR (84 to 100°C) heat detector, UL Listed with Flashing LED, Context Plus branded	55000-131IMC
Series S65A base, UL Listed, Context Plus branded	45681-200IMC
Standard Relay base for Series 65E	45681-245
RLI Remote LED Detector Indicator	BF318