

DATASHEET

KE-DP3020W

Excellence series intelligent addressable dual optical smoke detector

MAIN FEATURES

- Excellence series intelligent addressable dual optical smoke detector



TECHNICAL SPECIFICATIONS

Power supply

Power supply type	Loop powered
Operating voltage	17 to 29 VDC
Communication voltage	4 to 11 V pulsed
Current consumption	140 µA (quiescent at 24 VDC) 4.75 mA (alarm at 24 VDC)

Inputs / outputs

Output quantity	1
Output type and rating	Remote indicator
Remote alarm output	< 8 mA
Material (contacts)	Brass

Physical characteristics

Physical dimensions	100 x 47 mm (Ø x H)
Net weight	124 g
Colour	Traffic white (RAL9016)
Mounting type	Base mount
Material (body)	PC / ABS

Environmental characteristics

Operating temperature	-10 to +55°C
Storage temperature	-30 to +75°C
Application temperature (typical)	+25°C

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TECHNICAL SPECIFICATIONS

Relative humidity	10 to 93% noncondensing
Environment	Indoor
IP rating	IP20
Other characteristics	
Status indication	Tri-colour LED
Compatibility	Kidde Commercial Excellence Systems
Alarm levels	3
Event log	Available
Connectivity	Excellence series, standard base
Addressing method	Rotary switch
Terminals	6
Detection principle	Optical light scatter, forward and backward
Monitoring	Alarm threshold, Contamination level, Fault
Sensitivity	Selectable
Coverage area	< 112 m ²
Particle sensitivity range	0.1 to 0.25 dB/m $\pm$ 20%
Installation height	< 10.5 m (std) / < 12 m (reduced spacing & risk assessment)
Programmable	No
Functional marking	Device type
Vandal proof	No
Compliance	CE, REACH, RoHS 3, WEEE
Certification	CPR
Standards	EN54-7
Category	Reference
Detection device	KE-DB3010W