



Spectiv



G8NB Reflective Optical Beam Smoke Detection

G8NB-50m

G8NB-100m

G8NB Benefits

- **Early Detection** - designed to rapidly detect smoke, providing an early warning of a potential fire
- **Wide Coverage** - suitable for spaces with high ceilings or expansive open areas where traditional point detectors may not be as effective
- **Reduced False Alarms** - reliable and effective fire detection solution
- **Ease of Installation** - simpler and more cost effective than deploying a large number of point detectors to cover the same area
- **Adaptable** - configurable threshold levels to the installation environment
- **Reduced Maintenance** - lower overall costs and less disruption to building operations

G8NB Parameters	Minimum	Typical	Maximum	Unit
Operating Voltage	15	24	32	V DC
Operating Current	15	20	42	mA
Operating Current – Alignment Modes	-	-	55	mA
Alarm Current	25	33	55	mA
Fault Current	3	10	30	mA
Response Thresholds (25%, 35%, 50%, 75%)	25	35	75	%
Delay to Alarm	-	10	-	s
Delay to Fault	-	10	-	s
Operating Distance (Separation between Detector and Reflector) NOTE: 4 reflectors required for >50m	10	-	100	m
Rapid Obscuration Fault Threshold	-	85	-	%
Maximum angular alignment range of detector	-	-	±4.5	Deg
Optical Wavelength	-	850	-	nm
Operating Temperature	-	-20	+55	°C
Storage Temperature	-40	-	+55	°C
Relative Humidity (non-condensing)	-	-	93	%RH
IP Rating	-	IP40	-	IP
Fire & Fault Relays (VFCO) - Contact voltage	-	-	30	V DC
Fire & Fault Relays (VFCO) - Contact current	-	-	1	A
Cable Gauge	22	-	16	AWG
Housing Flammability Rating	-	UL94 V0	-	-
Approvals	UL268 7th Edition			

G8NB Dimensions and Weights	Width (mm)	Height (mm)	Depth (mm)	Weight (kg)
G8NB Reflective Detector	115	190	130	0.7
Reflector	100	100	10	0.1

Part Numbers

G8NB-50m	50m Reflective Optical Beam Smoke Detector
G8NB-100m	100m Reflective Optical Beam Smoke Detector
G8NB-LRK	Long Range Kit. (3 Reflectors)
G8NB-TF	Test Filter



www.spectiv.co.uk

Spectiv Limited, 1 High Street, Devizes, Wiltshire, SN10 4AF, United Kingdom. Registered in England No. 12984907 VAT No GB 383319680 sales@spectiv.co.uk

Data and design are subject to change without notice. The products are shipped with installation and wiring instructions, which should be followed for actual installation. For additional information, please contact your sales representative.