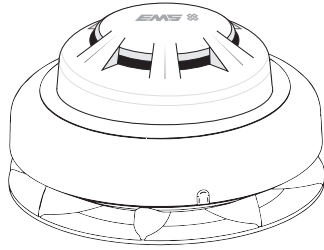


Part No	Product Description
FCX-191-000	Sounder/Detector Base Only
FCX-191-100	Sounder/Detector/Clear Visual Indicator Base Only
FCX-191-200	Sounder/Detector/Red Visual Indicator Base Only

Combined Sounder/Detector Sounder Data

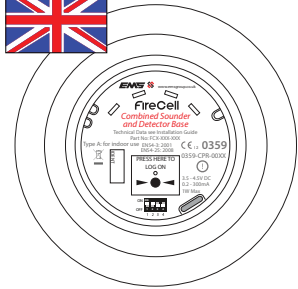


European Tone Products:

Part No	Product Description
FCX-194-000	Sounder/Detector Base Only
FCX-194-200	Sounder/Detector/Red Visual Indicator Base Only

Combined Sounder/Detector (UK Tones)

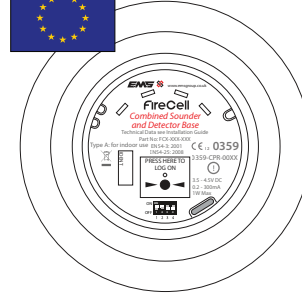
Models FCX-191-000, FCX-191-100 & FCX-191-200



- Approved Tones used:**
- 1 - 970Hz
 - 2 - 800Hz/970Hz @ 2Hz
 - 3 - 800Hz - 970Hz @ 1Hz
 - 5 - 970Hz, 0.5s / 630Hz, 0.5s

Combined Sounder/Detector (Euro Tones)

Models FCX-194-000 & FCX-194-200



- Approved Tones used:**
- 1 - 970Hz
 - 5 - 970Hz, 0.5s / 630Hz, 0.5s
 - 7 - 500 - 1200Hz, 3.5s/ 0.5s OFF
 - 13 - 1200Hz - 500Hz @ 1Hz

Tone 1 - Continuous — 970Hz

Low Volume

Position	dB(A) Horizontal Plane			dB(A) Vertical Plane		
	Min V	Max V	Difference	Min V	Max V	Difference
15°	70.34	69.44	-0.9	72.34	72.44	0.1
45°	67.44	67.14	-0.3	71.24	70.94	-0.3
75°	75.04	74.74	-0.3	75.14	75.14	0
105°	75.24	75.24	0	74.54	74.34	-0.2
135°	71.64	71.74	0.1	63.34	62.84	-0.5
165°	72.94	73.54	0.6	70.84	70.24	-0.6

High Volume

Position	dB(A) Horizontal Plane			dB(A) Vertical Plane		
	Min V	Max V	Difference	Min V	Max V	Difference
15°	78.54	81.04	2.5	82.14	84.14	2
45°	76.14	78.24	2.1	80.24	82.34	2.1
75°	84.14	86.14	2	84.24	86.44	2.2
105°	84.54	86.54	2	83.54	85.64	2.1
135°	81.24	83.54	2.3	73.84	76.24	2.4
165°	82.54	84.84	2.3	80.44	82.74	2.3

Tone 2 - Alternating  800Hz/970Hz @ 2Hz

Low Volume

Position	dB(A) Horizontal Plane			dB(A) Vertical Plane		
	Min V	Max V	Difference	Min V	Max V	Difference
15°	76.44	76.64	0.2	79.94	80.24	0.3
45°	73.84	73.94	0.1	78.54	78.34	-0.2
75°	78.54	78.84	0.3	80.34	80.24	-0.1
105°	79.74	79.94	0.2	78.24	77.94	-0.3
135°	78.64	78.74	0.1	77.24	77.34	0.1
165°	79.64	79.74	0.1	76.84	76.94	0.1

High Volume

Position	dB(A) Horizontal Plane			dB(A) Vertical Plane		
	Min V	Max V	Difference	Min V	Max V	Difference
15°	82.24	82.84	0.6	85.84	86.44	0.6
45°	79.74	80.34	0.6	84.24	84.84	0.6
75°	84.54	85.44	0.9	86.14	86.64	0.5
105°	85.54	86.24	0.7	83.64	84.84	1.2
135°	84.34	85.14	0.8	83.24	83.84	0.6
165°	84.94	85.44	0.5	82.64	83.14	0.5

Tone 3 - Sweep  800Hz - 970Hz @ 1Hz

Low Volume

Position	dB(A) Horizontal Plane			dB(A) Vertical Plane		
	Min V	Max V	Difference	Min V	Max V	Difference
15°	78.34	78.44	0.1	79.84	79.84	0
45°	74.04	74.14	0.1	77.94	77.94	0
75°	79.36	79.44	0.1	81.14	80.84	-0.3
105°	79.64	79.84	0.2	77.84	78.44	0.6
135°	76.94	76.94	0	77.44	77.54	0.1
165°	78.94	78.84	-0.1	77.14	77.34	0.2

High Volume

Position	dB(A) Horizontal Plane			dB(A) Vertical Plane		
	Min V	Max V	Difference	Min V	Max V	Difference
15°	84.34	84.94	0.6	85.64	86.44	0.8
45°	79.94	80.74	0.8	83.74	84.34	0.6
75°	85.34	86.04	0.7	86.64	87.44	0.8
105°	85.04	85.94	0.9	84.14	84.34	0.2
135°	83.14	83.64	0.5	83.24	83.74	0.5
165°	85.14	85.44	0.3	82.94	83.64	0.7

Tone 5 - Alternating  970Hz, 0.5s / 630Hz, 0.5s

Low Volume

Position	dB(A) Horizontal Plane			dB(A) Vertical Plane		
	Min V	Max V	Difference	Min V	Max V	Difference
15°	75.14	75.24	0.1	79.14	79.04	-0.1
45°	74.84	75.04	0.2	79.24	79.14	-0.1
75°	78.94	79.24	0.3	80.44	80.64	0.2
105°	79.84	79.74	-0.1	78.14	78.14	0
135°	79.04	79.14	0.1	77.44	77.54	0.1
165°	79.44	79.74	0.3	76.64	76.74	0.1

High Volume

Position	dB(A) Horizontal Plane			dB(A) Vertical Plane		
	Min V	Max V	Difference	Min V	Max V	Difference
15°	80.24	81.34	1.1	84.44	85.24	0.8
45°	80.04	81.14	1.1	84.34	85.14	0.8
75°	84.64	85.54	0.9	86.14	87.14	1
105°	85.54	86.24	0.7	83.94	84.04	0.1
135°	84.44	85.44	1	83.14	83.74	0.6
165°	84.94	86.04	1.1	82.54	83.14	0.6

Tone 7 - Slow Woop  500 - 1200Hz, 3.5s/ 0.5s OFF

Low Volume

Position	dB(A) Horizontal Plane			dB(A) Vertical Plane		
	Min V	Max V	Difference	Min V	Max V	Difference
15°	71.84	71.74	-0.1	80.84	80.84	0
45°	71.84	71.94	0.1	81.54	81.54	0
75°	78.34	78.44	0.1	77.14	77.24	0.1
105°	80.24	80.24	0	77.74	77.84	0.1
135°	74.44	74.44	0	81.44	81.64	0.2
165°	75.34	75.34	0	81.24	81.44	0.2

High Volume

Position	dB(A) Horizontal Plane			dB(A) Vertical Plane		
	Min V	Max V	Difference	Min V	Max V	Difference
15°	84.24	84.64	0.4	92.94	93.44	0.5
45°	84.74	85.04	0.3	93.44	93.74	0.3
75°	91.34	91.84	0.5	89.74	89.94	0.2
105°	92.84	93.04	0.2	90.44	90.64	0.2
135°	86.14	86.44	0.3	96.14	96.44	0.3
165°	86.54	86.84	0.3	94.54	94.94	0.4

Low Volume

Position	dB(A) Horizontal Plane			dB(A) Vertical Plane		
	Min V	Max V	Difference	Min V	Max V	Difference
15°	72.34	72.34	0	79.74	79.74	0.1
45°	71.94	71.94	0	80.64	80.54	-0.01
75°	78.24	78.34	0.1	76.34	76.34	0
105°	78.64	78.64	0	77.24	77.24	0
135°	74.14	74.24	0.1	81.04	81.04	0
165°	74.74	74.74	0	80.64	80.64	0

High Volume

Position	dB(A) Horizontal Plane			dB(A) Vertical Plane		
	Min V	Max V	Difference	Min V	Max V	Difference
15°	83.54	83.84	0.3	92.74	92.84	0.1
45°	83.24	83.34	0.1	92.64	93.24	0.6
75°	90.74	90.94	0.2	88.94	89.24	0.3
105°	91.54	91.74	0.2	89.44	89.94	0.5
135°	86.44	86.64	0.2	93.24	93.64	0.4
165°	87.54	87.64	0.1	93.14	93.34	0.2