

features

- Easy to install
- Easy to adjust
- Simple to maintain
- 32 built in tones
- CPD Approved
- LPCB Approved to EN 54 part 3
- Low power requirements
- High power LED beacon
- Optional IP65 rating
- Optional built-in isolator

Simple, yet clever in concept the sounders and beacons employ technology to maximise sound and light output, focus sound distribution, simplify installation and maintain high efficiency and reliability.

Easy to install

One simple two stage installation process. Firstly, fix the base connection plate, terminate the loop wiring and test the wiring. Secondly, select the output device required (sounder, beacon or combined sounder beacon) and fit the unit to the base.

Easy to adjust

Simply twist the unit off it's mounting and re-configure the settings to pick any of 32 sounder tones at any of 3 volumes.

Analogue Addressable Audible and Visual indicating devices Data Sheet

Simple to Upgrade

No building stays the same. Changes in size, function or changing from a private area to a public area mean a change to the evacuation plan. Need to change from sounder to beacon, beacon to sounder or switch to a combined sounder/beacon ? Simply change the installed audio/visual device by twisting off the old device and twisting on the new.

The audio visual range is an ergonomic and stylish design that complements the Morley-IAS detection and control panel technologies, providing total alarm solutions. These solutions are suitable for new and existing installations from office units to multi-storey complexes, from workshops to factories and cinemas to swimming pools.



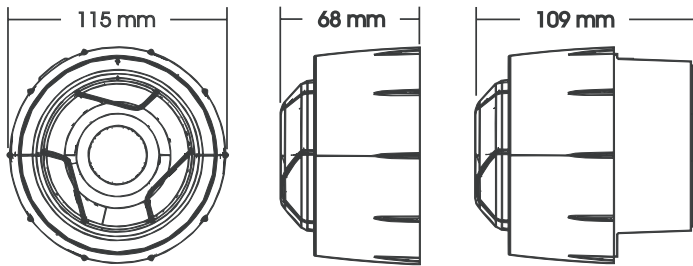
Charles Avenue
Burgess Hill
West Sussex
RH15 9UF UK

T: +44 (0) 1444 23 55 56
F: +44 (0) 1444 25 44 10
E: sales@morleyias.co.uk
www.morley-ias.co.uk

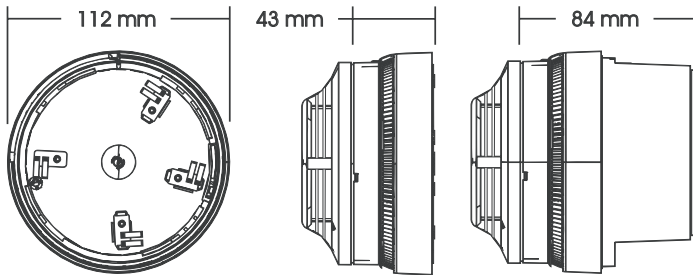


Mechanical

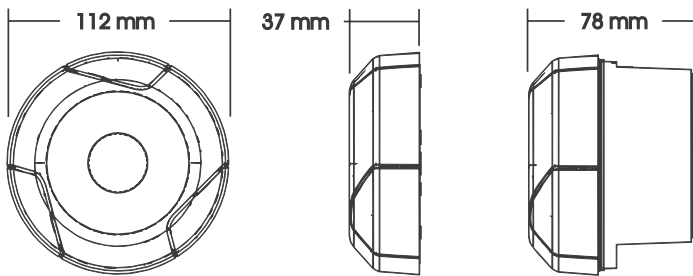
Wall mounting units



Ceiling mounting units



Beacon units



Environmental

Relative Humidity: 10-96% non-condensing
 Operating Temp: -25°C to +70°C

Ingress protection :

Wall units: IP33C
 Wall units Plus WDBR: IP65
 Base units: IP21C

Colour

RED: RAL 3000
 Detector White: RAL 9001
 Wall Sounder White: RAL 9010

electrical

Operating voltage: +15Vdc to +28Vdc

Operating current (24Vdc):

No communication

Quiescent (no isolator): 300µA

Quiescent (isolator): 490µA

With communication once every 5 seconds

Quiescent (no isolator): 450µA

Quiescent (isolator): 640µA

Alarm Current: Refer to table 1.

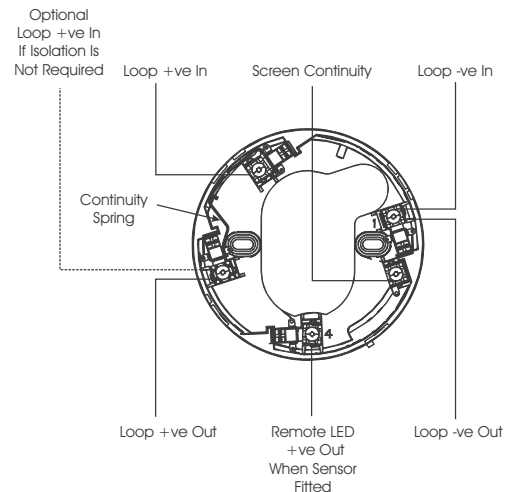
Beacon Alarm Current: 1.7mA (without isolator)
 1.9mA (with isolator)

Address Requirement:

Single loop address required.

Alarm Tones:

Refer to Table 3.



Part Numbers

MI-IBSD-W	Integrated Detector Base Sounder.
MI-IBSD-W-I	Integrated Detector Base Sounder with built in isolator.
MI-WSD-R	Wall Mounted Sounder, Red.
MI-WSD-R-I	Wall Mounted Sounder with built in isolator, Red.
MI-WSD-W	Wall Mounted Sounder, White.
MI-WSD-W-I	Wall Mounted Sounder with built in isolator, White.
MI-IBSDB-W-CL	Integrated Detector Base Sounder Beacon. Clear lens with red beacon and white base.
MI-IBSDB-W-CL-I	Integrated Detector Base Sounder Beacon with built in isolator. Clear lens with red beacon and white base.
MI-WSDB-R-RD	Wall Mounted Sounder Beacon. Red body and lens colour.
MI-WSDB-R-RD-I	Wall Mounted Sounder Beacon with built in isolator. Red body and lens colour.
MI-WSDB-W-RD	Wall Mounted Sounder Beacon. White body with red lens.
MI-WSDB-W-RD-I	Wall Mounted Sounder Beacon with built in isolator. White body with red lens.
MI-BEAC-RD	Wall Mounted Beacon with red lens.
MI-BEAC-RD-I	Wall Mounted Beacon with red lens and built in isolator.
LPBW	Universal AV connection plate.
SDBR	Standard Deep base, Red.
SDBW	Standard Deep base, Wall Sounder white.
SDBD	Standard Deep base, Detector White.
WDBR	Wall Sounder deep IP65 base, RED.

Notes.

- 1) WDBR Cannot be fitted to integrated base sounders and integrated base sounder beacons.
- 2) A fixing plate is required to mount all audio visual devices.
- 3) All AV devices are not suitable for intrinsically safe installations.

table 1 - Alarm Current

No	Pattern	Nominal Frequency	Detector Base Sounder (24V)						Wall Mount Sounder (24V)					
			Output dB(A) +/- 3			Maximum Current (mA)			Output dB(A) +/- 3			Maximum Current (mA)		
			High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low
1	Alternating	554/440	92	83	79	6.25	1.81	1.32	100	92	89	5.37	2.14	1.56
2	Alternating	800/970	92	86	76	4.92	2.72	1.23	99	94	84	5.81	3.32	1.34
3	Alternating	800/970	93	86	76	5.15	2.67	1.17	99	94	84	5.97	3.38	1.28
4	Alternating	2400/2900	83	75	63	6.33	2.63	1.29	97	90	82	5.53	2.62	1.41
5	Alternating	2500/3100	82	74	61	6.46	2.69	1.26	96	89	81	5.30	2.57	1.38
6	Alternating	988/645	92	84	76	4.61	2.59	1.27	99	94	84	4.88	2.93	1.42
7	Continuous	660	90	83	77	3.88	2.30	1.10	98	94	85	4.31	2.55	1.27
8	Continuous	970	94	86	76	4.90	2.67	1.16	99	94	84	4.95	2.99	1.29
9	Continuous	1200	89	80	74	4.79	2.41	1.46	97	92	86	6.26	2.65	1.59
10	Continuous	2850	84	76	63	5.65	2.44	1.29	98	91	84	5.19	2.48	1.49
11	Continuous	4000	95	88	81	5.61	2.56	1.60	94	87	84	5.31	2.46	1.76
12	Intermittent	660	89	82	77	3.57	1.61	1.12	98	93	84	4.17	2.49	1.24
13	Intermittent	660	85	78	73	3.53	1.59	1.15	93	89	80	4.14	2.47	1.18
14	Intermittent	660	87	79	74	2.28	1.48	0.91	95	91	81	2.68	1.77	0.99
15	Intermittent	970	78	72	63	3.51	1.57	0.99	84	79	70	3.57	2.15	1.01
16	Intermittent	970	86	78	69	4.88	1.99	1.16	91	86	76	4.86	2.96	1.26
17	Intermittent	2850	77	69	60	5.59	2.40	1.20	89	82	75	5.12	2.43	1.43
18	Intermittent	970	86	78	69	4.75	2.00	1.15	90	85	75	4.82	2.92	1.27
19	Intermittent	950	83	76	68	4.84	1.95	1.03	90	86	77	4.68	2.82	1.26
20	Intermittent	2850	81	73	61	4.23	1.90	1.00	96	89	81	3.96	1.84	1.20
21	Sweep	400-1200	81	74	70	3.17	1.72	1.27	92	86	81	5.83	2.55	1.72
22	Sweep	1200 - 500	89	83	77	5.09	2.42	1.52	100	94	89	6.22	3.14	2.20
23	Sweep	2400 - 2850	79	72	59	5.96	2.65	1.32	97	89	82	5.73	2.68	1.54
24	Sweep	500 - 1200	86	80	74	5.15	2.26	1.57	96	90	85	6.81	3.52	2.16
25	Sweep	800 - 970	90	84	74	4.54	2.63	1.19	99	94	84	4.72	2.83	1.35
26	Sweep	800 - 970	90	84	74	4.60	2.59	1.17	99	94	84	5.29	3.08	1.36
27	Sweep	800 - 970	89	84	74	5.46	2.82	1.29	99	94	84	6.70	4.04	1.65
28	Sweep	2400 □ 2850	79	72	59	5.75	2.60	1.37	96	89	81	5.34	2.68	1.57
29	Sweep	500 □ 1000	90	85	75	4.88	2.41	1.23	100	94	85	5.32	2.65	1.39
30	Sweep	500 □ 1200 □ 500	89	81	75	4.80	2.37	1.45	98	92	87	6.19	3.00	1.89
31	Sweep	800 □ 1000	90	84	74	4.89	2.65	1.18	99	94	84	5.73	3.22	1.38
32	Sweep	2400 - 2850	78	71	58	5.86	2.61	1.29	95	88	80	5.73	2.68	1.42

table 2 - Product Guide











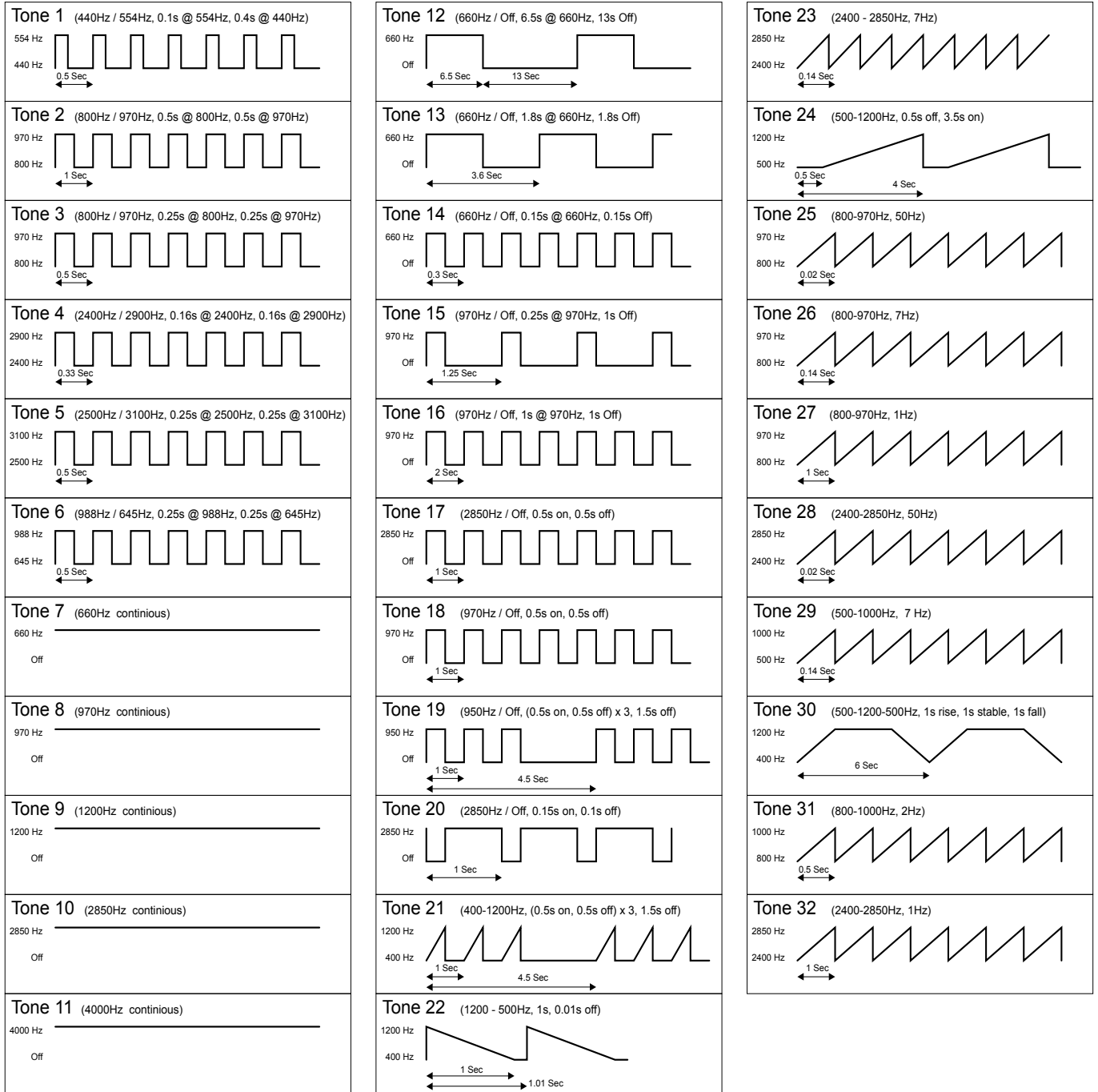
		Wall Sounder		Wall Sounder Beacon		Integrated Base Sounder	Integrated Base Sounder Beacon	Beacon
								
	Standard (IP21C)	LPBW + MI-WSD-R	LPBW + MI-WSD-W	LPBW + MI-WSDB-R-RD	LPBW + MI-WSDB-W-RD	LPBW + MI-BSD-W	LPBW + MI-IBSDB-W-CL	LPBW + MI-BEAC-RD
	Deep Back Box (IP33C)	SDBR + MI-WSD-R	SDBW + MI-WSD-W	SDBR + MI-WSDB-R-RD	SDBW + MI-WSDB-W-RD	SDBD + MI-BSD-W	SDBD + MI-IBSDB-W-CL	SDBR + MI-BEAC-RD
	Waterproof (IP65)	WDBR + MI-WSD-R	WDBR + SDBW + MI-WSD-W	WDBR + MI-WSDB-R-RD	WDBR + SDBW + MI-WSDB-W-RD			WDBR + MI-BEAC-RD
						Suitable for all sensors except Intrinsically Safe sensors.		
Append -I to the MI-xxx-xxx-xx Part Number for the isolated version								

table 3 - Tone Specifications



local distributor

595(0306)



166c
166d

