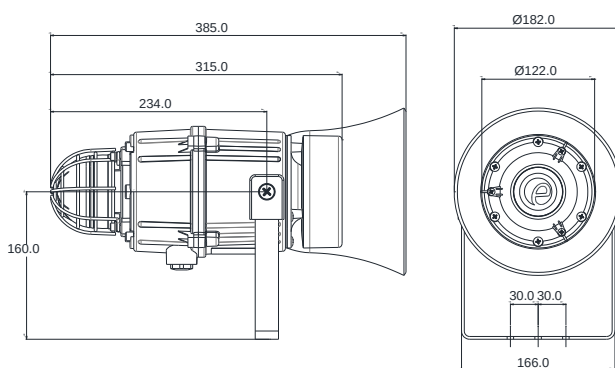
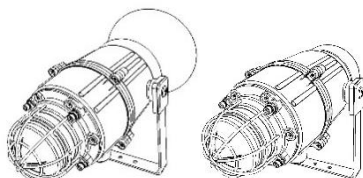




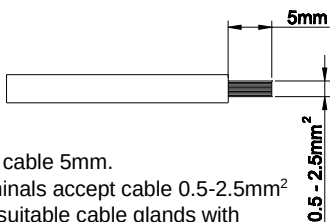
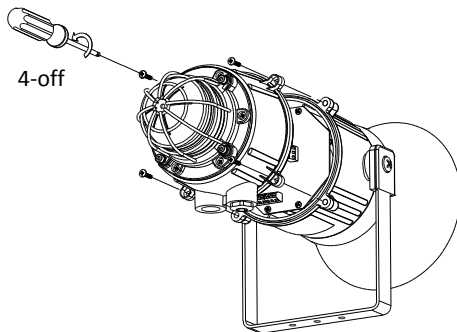
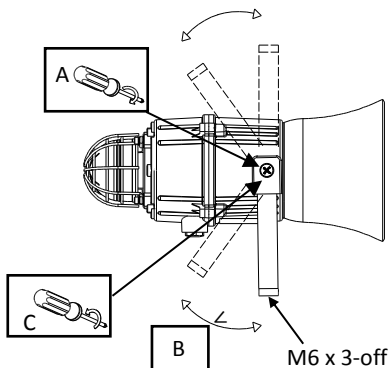
Xenon Beacon
112dBA Sounder
7 Selectable user modes
3 x Stage Switching
IP Rating: IP67/66 & Type
4/4X/13
Operating Temperature
Range:
-25°C to +55°C
Unit Weight: 3.0Kg
CE, EAC, Russian Maritime
Register and GOST-P
approved
M20

Unit Type Code	Nominal Voltage	Voltage Range	Beacon Current	Sounder Current
MC1X012	12 VCC	10-14 VCC	550	200
MC1X024	24 VCC	20-28V VCC	300	200
MC1X048	48 VCC	42-54 VCC	180	120
MC1X115	115 VCA	115V +/-10% AC 50/60Hz	140	100
MC1X230	230 VCA	230V +/-10% AC 50/60Hz	55	60

⚠ ATTENTION: Installation must be carried out by an electrician in compliance with the latest codes and regulations.

⚠ ATTENTION: Disconnect from power source before installation or service to prevent electric shock.

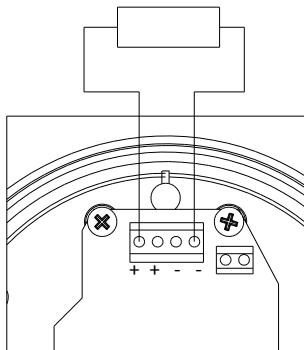




Strip cable 5mm.
Terminals accept cable 0.5-2.5mm²
Use suitable cable glands with
suitable IP rating

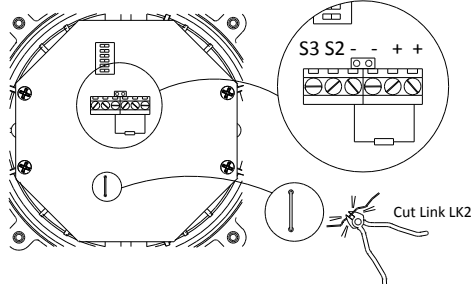
Optional Xenon Beacon Monitoring Resistor (DC Only)

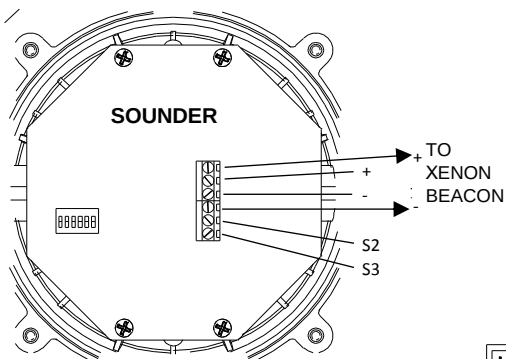
DC Line Monitoring Resistor (Recommended:
24V DC = MIN 3K9Ω, 0.5W or 1KΩ 2.0W
48V DC = MIN 15KΩ, 0.5W or 3K9Ω 2.0W)



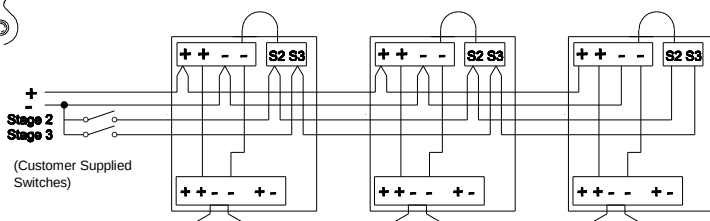
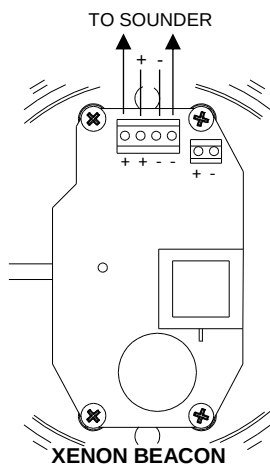
Optional Sounder Monitoring Resistor

DC Line Monitoring Resistor (Recommended:
24V DC = MIN 3K9Ω, 0.5W or 1KΩ 2.0W
48V DC = MIN 15KΩ, 0.5W or 3K9Ω 2.0W)

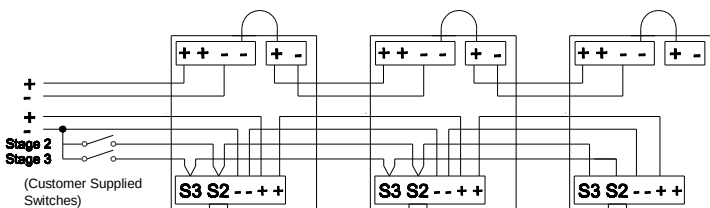




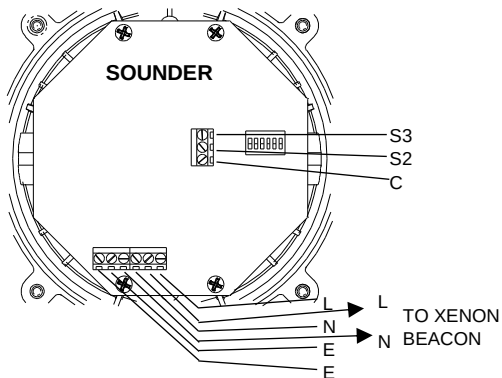
DC WIRING DIAGRAMS



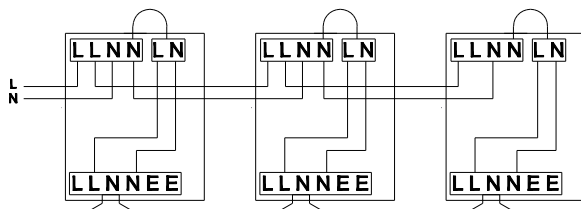
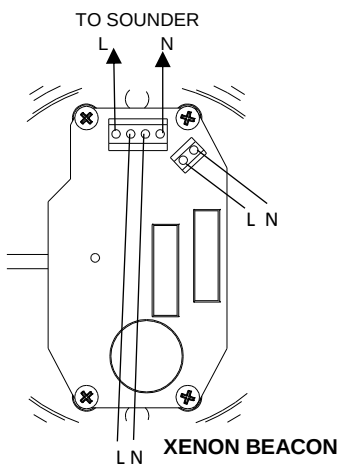
MC1X, Sounder & Beacon Linked (Default)



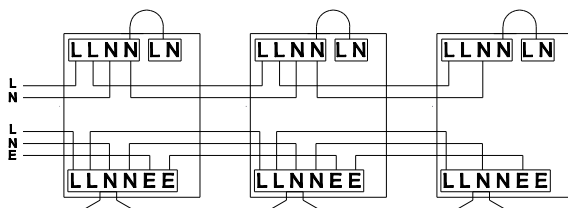
MC1X, Sounder & Beacon Separate (Link Wires Removed)



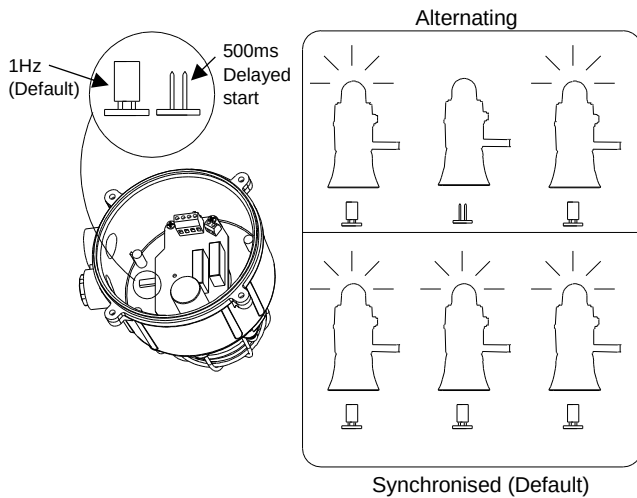
AC WIRING DIAGRAMS



MC1X, Sounder & Beacon Linked (Default)



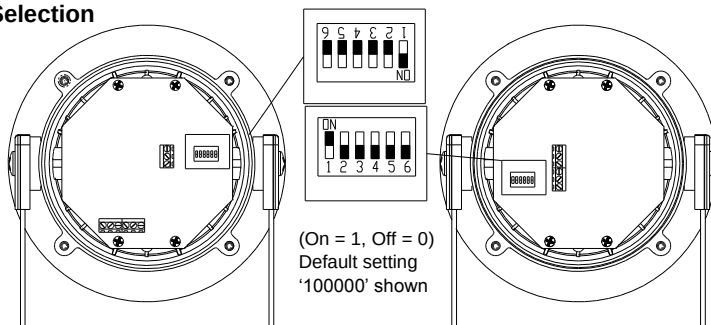
MC1X, Sounder & Beacon Separate (Link Wires Removed)



Sounder Tone Table – (Refer to ‘Sounder Tone Selection’ section)

Stage 1	Frequency Description	Db(A) @ 1m	Switch 1 2 3 4 5 6	Stage 2 (S2)	Stage 3 (S3)
Tone1	340Hz Continuous	107	0 0 0 0 0	Tone 2	Tone 5
Tone2	800/1000Hz @ 0.25 sec Alternating	112	1 0 0 0 0	Tone 17	Tone 5
Tone3	500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop	113	0 1 0 0 0	Tone 2	Tone 5
Tone4	800/1000Hz @ 1Hz Sweeping	113	1 1 0 0 0	Tone 6	Tone 5
Tone5	2400Hz Continuous	119	0 0 1 0 0	Tone 3	Tone 20
Tone6	2400/2900Hz @ 7Hz Sweeping	116	1 0 1 0 0	Tone 7	Tone 5
Tone7	2400/2900Hz @ 1Hz Sweeping	116	0 1 1 0 0	Tone 10	Tone 5
Tone8	500/1200/500Hz @ 0.3Hz Sweeping	113	1 1 1 0 0	Tone 2	Tone 5
Tone9	1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P	113	0 0 0 1 0	Tone 15	Tone 2
Tone10	2400/2900Hz @ 2Hz Alternating	119	1 0 0 1 0	Tone 7	Tone 5
Tone11	1000Hz @ 1Hz Intermittent	112	0 1 0 1 0	Tone 2	Tone 5
Tone12	800/1000Hz @ 0.875Hz Alternating	112	1 1 0 1 0	Tone 4	Tone 5
Tone13	2400Hz @ 1Hz Intermittent	119	0 0 1 1 0	Tone 15	Tone 5
Tone14	800Hz 0.25 sec on, 1 sec off Intermittent	113	1 0 1 1 0	Tone 4	Tone 5
Tone15	800Hz Continuous	113	0 1 1 1 0	Tone 2	Tone 5
Tone16	660Hz 150ms on, 150ms off Intermittent	109	1 1 1 1 0	Tone 18	Tone 5
Tone17	544Hz (100ms)/440Hz (400ms) - NF S 32-	109	0 0 0 1 0	Tone 2	Tone 27
Tone18	660Hz 1.8 sec on, 1.8 sec off Intermittent	109	1 0 0 1 0	Tone 2	Tone 5
Tone19	1.4KHz-1.6KHz 1s, 1.6KHz-1.4KHz 0.5s - NFC48-265	114	0 1 0 0 1	Tone 2	Tone 5
Tone20	660Hz Continuous	109	1 1 0 0 1	Tone 2	Tone 5
Tone21	554/440Hz @ 1Hz Alternating	109	0 0 1 0 1	Tone 2	Tone 5
Tone22	544Hz @ 0.875 sec Intermittent	109	1 0 1 0 1	Tone 2	Tone 5
Tone23	800Hz @ 2Hz Intermittent	113	0 1 1 0 1	Tone 6	Tone 5
Tone24	800/1000Hz @ 50Hz Sweeping	112	1 1 1 0 1	Tone 29	Tone 5
Tone25	2400/2900Hz @ 50Hz Sweeping	116	0 0 0 1 1	Tone 29	Tone 5
Tone26	Bell	108	1 0 0 1 1	Tone 2	Tone
Tone27	6554Hz Continuous	109	0 1 0 1 1	Tone 26	Tone 5
Tone28	440Hz Continuous	106	1 1 0 1 1	Tone 2	Tone 5
Tone29	800/1000Hz @ 7Hz Sweeping	112	0 0 1 1 1	Tone 7	Tone 5
Tone30	300Hz Continuous	107	1 0 1 1 1	Tone 2	Tone 5
Tone31	660/1200Hz @ 1Hz Sweeping	112	0 1 1 1 1	Tone 26	Tone 5
Tone32	Two Tone Chime	108	1 1 1 1 1	Tone 26	Tone 15
Tone33	745Hz @ 1Hz Intermittent	109	0 0 0 0 1	Tone 2	Tone 5
Tone34	1000 & 2000Hz @ 0.5 sec Alternating -	114	1 0 0 0 1	Tone 38	Tone 45
Tone35	420Hz @ 0.625 sec Australian Alert	108	0 1 0 0 1	Tone 36	Tone 5
Tone36	500-1200Hz 3.75 sec / 0.25 sec Australian	113	1 1 0 0 1	Tone 35	Tone 5
Tone37	1000Hz Continuous - PFEER Toxic Gas	112	0 0 1 0 1	Tone 9	Tone 45
Tone38	2000Hz Continuous	116	1 0 1 0 1	Tone 34	Tone 45
Tone39	800Hz 0.25 sec on, 1 sec off Intermittent	113	0 1 1 0 1	Tone 23	Tone 17
Tone40	544Hz (100ms)/440Hz (400ms) - NF S 32-	112	1 1 1 0 1	Tone 31	Tone 27
Tone41	Motor Siren - Slow Rise to 1200Hz	113	0 0 0 1 0	Tone 2	Tone 5
Tone42	Motor Siren - Slow Rise to 800Hz	114	1 0 0 1 0	Tone 2	Tone 5
Tone43	1200Hz Continuous	113	0 1 0 1 0	Tone 2	Tone 5
Tone44	Motor Siren - Slow Rise to 2400Hz	118	1 1 0 1 0	Tone 2	Tone 5
Tone45	1KHz 1s on, 1s off Intermittent - PFEER	112	0 0 1 1 0	Tone 38	Tone 34

Sounder Tone Selection



Stage selection (DC Sounders Only):

Stage one (S1) Operation	Stage two (S2) Operation	Stage three (S3) Operation
Simply connect the supply voltage to the + and - supply terminals,	Power +ve and -ve, link a -ve supply line to the S2 terminal.	Power +ve and -ve, link a -ve supply line to the S3 terminal.

Stage selection (AC Sounder Only):

Stage one (S1) Operation	Stage two (S2) Operation	Stage three (S3) Operation
Simply connect the supply voltage to the + and - supply terminals,	Power +ve and -ve, link a -ve supply line to the S2 terminal.	Power +ve and -ve, link a -ve supply line to the S3 terminal.

