Clifford & Snell

INSTALLATION & TECHNICAL INFORMATION

PLEASE READ PRIOR TO INSTALLATION





YO5 Yodalarm & Yodalight

Multi Stage Alarm Series (8)

(Incorporating YA50 and YL50 Hi-Vis)

AUDIBLE AND/OR VISUAL SIGNALLING DEVICES

S00673 Issue 1
30/01/2026

APPROVALS AND CONFORMITIES

Installation

- Installation must be carried out in accordance with the latest codes of practice by a technically qualified/competent person.
- Check that the power supply is correct for the voltage rating of the alarm to be installed.
- The unit should be mounted to a wall or bulkhead formed of suitable material using the two mounting lugs projecting from the side of the enclosure.
- The lugs have an 8mm diameter mounting hole & sit on 153mm centres. The minimum recommended length of fixing screw is 25mm (not supplied).
- Avoid mounting the alarm where it could subjected to excessive vibration levels.

Ingress Protection

To maintain the IP rating of the product, the below points must be observed.

- An IP66 Cable Gland is supplied with the product. This Cable Gland (or another suitably rated) **must** be used.
- When replacing the front cover, each of the four retaining screws **must** be torqued to 0.6Nm ±0.1Nm in a diagonal pattern.

Sound Selection

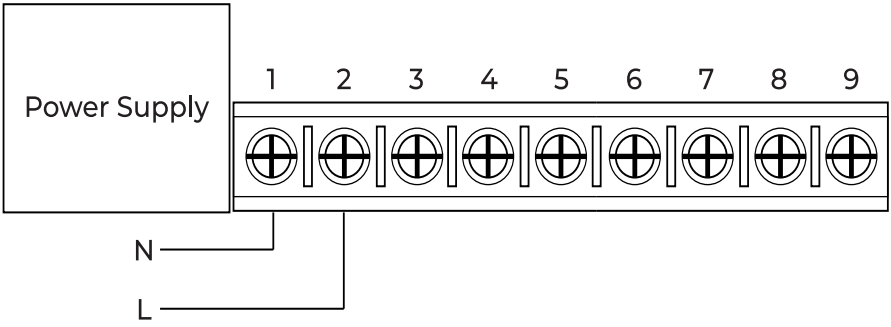
- Ensure the supply is **OFF** before proceeding.
- All DC and AC units have selectable alarm sounds (see table on Page 4 for details) and are selectable via switches S1 to S8.

Features Include:

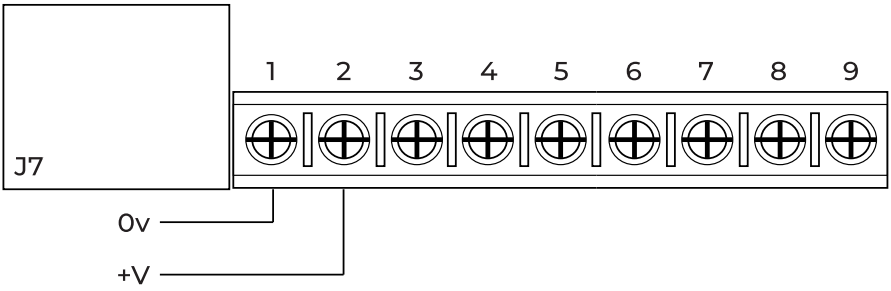
- Termination: Up to 2.5mm^2 cable
- Operating Temperature : Standard Variants -35^{o}C to +55^{o}C
- Enclosure Material: Fire Resistant & UV Stable UL94-5VB rated ABS
- Lens Material: Fire Resistant & UV Stable Polycarbonate
- Ingress Protection: Weatherproof to IP66
- Sound Pressure Level: 112dB(A) Max.
- Volume Control Adjustment: -18dB
- AC Supply: 50/60 Hz
- 8 Selectable Alarm Stages

Wiring Connections

AC Wiring Connections showing first Alarm Stage (85-280vAC/DC)



DC Wiring Connections showing first Alarm Stage (24vDC only)



Please note: only two wires are required to activate each alarm stage (see above)

0v/N must always be connected to 1, then +V/L must be connected to 2 to 9 depending on which alarm stage you require.

TB1 = 0v/N
TB2 = +V/L (Alarm Stage 1)
TB3 = +V/L (Alarm Stage 2)
TB4 = +V/L (Alarm Stage 3)
TB5 = +V/L (Alarm Stage 4)
TB6 = +V/L (Alarm Stage 5)
TB7 = +V/L (Alarm Stage 6)
TB8 = +V/L (Alarm Stage 7)
TB9 = +V/L (Alarm Stage 8)

Tone Table

Tone	Description	Frequency (Hz)	Rept. rate	2nd Stage	Switches 1	2	3	4	5	Special Application	dB(A) @ 1m (± 3dB)	Min. dB(A) @ 1m
1	Alternating	800-1000	0.5	3	I	I	I	I	I	Fire Alarms	107	94
2	Alternating	2500-3100	0.5	4	O	I	I	I	I	Security Alarms	110	
3	Alternating (fast)	800-1000	0.25	7	I	O	I	I	I	Increased urgency	107	
4	Alternating (fast)	2500-3100	0.25	8	O	O	I	I	I	Security deterrent	110	
5	Alternating	440-554	0.4/0.1	14	I	I	O	I	I	AFNOR, France (NFS 32001)	103	91
6	Alternating	430-470	1	14	O	I	O	I	I		103	
7	Alternating (v.fast)	800-1000	0.13	12	I	O	O	I	I		107	
8	Alternating (v.fast)	2500-3200	0.07	13	O	O	O	I	I		110	
9	Alternating	440-554	2	10	I	I	I	O	I	Turn-out, Sweden	103	
10	Continuous note	700	-	1	O	I	I	O	I	All-clear, Sweden	106	
11	Continuous note	1000	-	31	I	O	I	O	I		107	91
12	Continuous note	1000	-	7	O	O	I	O	I		106	
13	Continuous note	2300	-	2	I	I	O	O	I		112	
14	Continuous note	440	-	9	O	I	O	O	I		103	
15	Interrupted tone	1000	2	31	I	O	O	O	I		107	88
16	Interrupted tone	420	1.25	30	O	O	O	O	I	AS2220, Australia	103	92
17	Interrupted tone	1000	0.5	1	I	I	I	I	O		108	
18	Interrupted tone	2500	0.25	4	O	I	I	I	O		110	
19	Interrupted tone	2500	0.5	2	I	O	I	I	O		111	
20	Interrupted tone	700	6/12	10	O	O	I	I	O	Pre-vital mess, Sweden	105	
21	Interrupted tone	1000	1	32	I	I	O	I	O		107	
22	Interrupted tone	700	4	10	O	I	O	I	O	Air-raid, Sweden	104	
23	Interrupted tone	700	0.25	10	I	O	O	I	O	Local warning, Sweden	103	
24	Interrupted tone	720	0.7/0.3	10	O	O	O	I	O	Industrial alarm, Germany	103	
25	Int,fast,rising volume	1400	0.25	26	I	I	I	O	O		105	
26	Fast siren	250-1200	0.085	11	O	I	I	O	O		106	
27	Rising constant, fall	1000	10/40/10	17	I	O	I	O	O	Industrial alarm, Germany	106	
28	ISO 8201 Evacuation	800-1000	as std	11	O	O	I	O	O	Int'l evacuation alarm	105	94
29	Fast whoop	500-1000	0.15	32	I	I	O	O	O		105	
30	Slow whoop	500-1200	4.5	12	O	I	O	O	O	Evacuation, The Netherlands	106	95
31	Reverse sweep	1200-500	1	11	I	O	O	O	O	Evacuation, Germany	105	96
32	Siren	500-1200	3	26	O	O	O	O	O		107	

Moflash Signalling Limited accepts no liability for any consequences following use of this document. Any technical specifications and products referred to within this document are subject to change without notice due to continual improvement and product development policies. All dB(A) figures are subject to environmental conditions. The units are sold under Moflash standard conditions of sale, available on request.