



Clifford & Snell

INSTALLATION & TECHNICAL INFORMATION

PLEASE READ PRIOR TO INSTALLATION



Y05 Yodalarm & Yodalight
Multi Stage Alarm Series (8)
(Incorporating YA50 and YL50 Hi-Vis)

AUDIBLE AND/OR VISUAL SIGNALLING DEVICES

S00673 Issue 1
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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 be 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 \pm 0.1Nm in a diagonal pattern.

Sound Selection

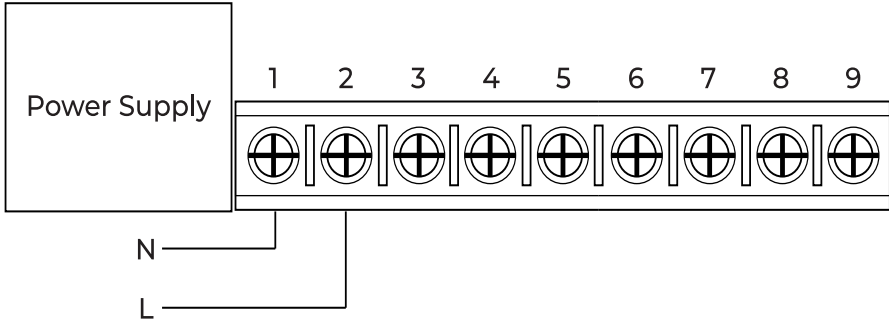
- Ensure the supply is **OFF** before proceeding.
- All DC and AC units have selectable alarm sounds (see table on Page 4 for details) and are selectable via switches S1 to S8.

Features Include:

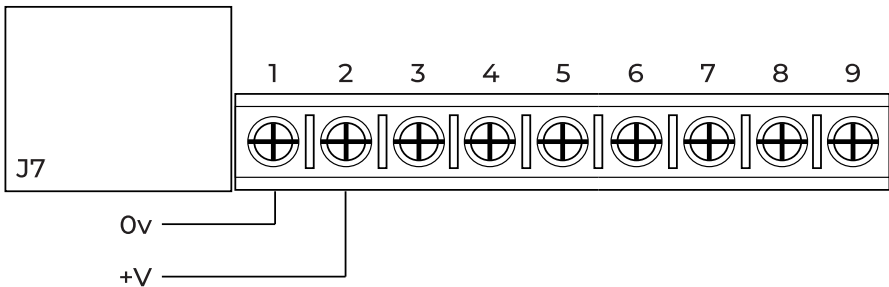
- Termination: Up to 2.5mm² cable
- Operating Temperature : Standard Variants -35°C to +55°C
- Enclosure Material: Fire Resistant & UV Stable UL94-5VB rated ABS
- Lens Material: Fire Resistant & UV Stable Polycarbonate
- Ingress Protection: Weatherproof to IP66
- Sound Pressure Level: 112dB(A) Max.
- 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	Rept.	2 nd	Switches					Special Application	dB(A) @ 1m (± 3dB)	Min. dB(A) @ 1m
		(Hz)	rate	Stage	1	2	3	4	5			
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	

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