

Description

The 641 addressable audio/visual alarm devices are multi-tonal alarms, suitable for connection to 2-wire addressable fire detection and alarm systems. Four distinct alarm tones can be selected during installation.

641 alarm devices are loop-powered. Activation is initiated either by a dedicated initiation message from the control and indicating equipment, or optionally when the control and indicating equipment enters the Alarm Condition. Up to 32 devices can be connected to each alarm zone loop. The range includes weatherproof models.

Designed for compliance with EN 54-3 and EN 54-23 Standards, the 641 range of addressable audio/visual alarm devices provide fire detection and alarm system designers with a premium product for life safety applications.

Features

- Visual, audible and audio/visual models available
- Four distinct alarm tones, selectable with DIP-switch
- Loop-powered from control and indicating equipment
- Operates when either a dedicated activation message is received from the control and indicating equipment, or optionally when the control and indicating equipment enters the Alarm Condition
- Loud 90 dB sounder output at 1 m
- Long-life LEDs
- Low quiescent current
- Easy DIP-switch address setting
- Integrated mounting backbox with latch
- Weather-proof models available
- Low maintenance

Compliance

641 addressable audio/visual alarm devices have the following compliance ^a.

	EN 54-3 ^b	EN 54-23 ^c	CE ^d
641-001	✓	—	✓
641-002	✓	—	✓
641-003	—	✓	✓
641-004	—	✓	✓
641-005	✓	✓	✓
641-006	✓	✓	✓

^a Third-party conformance assessment has not been undertaken.

^b EN 54-3 Fire alarm devices. Sounders

^c EN 54-23 Fire alarm devices. Visual alarms

^d Conformité Européenne



641 addressable audio/visual alarm

Specifications

Power	641-001	641-002	641-003	641-004	641-005	641-006
Operating voltage	DC (21 ~ 30) V					
Quiescent current	350 μA					
Start-up time	≤ 10 s					
Alarm Condition						
Alarm current	≤ 13 mA		≤ 5 mA		≤ 16 mA	
Audible alarm						
United Kingdom	Frequency: Alternating 800/970 Hz Period: 500 ms each tone		—		Frequency: Alternating 800/970 Hz Period: 500 ms each tone	
Germany (DIN 33 404)	Frequency: Ramp (1200 ~ 500) Hz Period: 1 s				Frequency: Ramp (1200 ~ 500) Hz Period: 1 s	
France (NFS 32-001)	Frequency: Alternating 554/440 Hz Period: 100 ms (554 Hz) / 400 ms (440 Hz)				Frequency: Alternating 554/440 Hz Period: 100 ms (554 Hz) / 400 ms (440 Hz)	
General	Frequency: Alternating 2400/2850 Hz Period: 250 ms on, each tone				Frequency: Alternating 2400/2850 Hz Period: 250 ms on each tone	
Audible alarm output	≥ 90 dB @ 1 m		—		≥ 90 dB @ 1 m	
Visual alarm indicator	—		White LED		White LED	
Visual alarm flash period	—		60 ms on / 650 ms off			
Environmental						
Ingress protection	—	IP-65	—	IP-65	—	IP-65
Operating temperature	(-10 ~ +55) °C					
Operating humidity	(0 ~ 95) % RH, non-condensing					
Storage temperature	(-25 ~ +80) °C					
Storage humidity	(0 ~ 98) % RH, non-condensing					
Miscellaneous						
Usable addresses per alarm loop	32					
Terminal wiring	(0.4 ~ 2.5) mm ²					
Dimensions	Φ 102 mm × 92 mm					

Ordering Information

	Audible Alarm	Visual Alarm	Weatherproof
641-001	✓	—	—
641-002	✓	—	✓
641-003	—	✓	—
641-004	—	✓	✓
641-005	✓	✓	—
641-006	✓	✓	✓

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