

447 Description

The 447 non-addressable audio/visual alarm devices are multi-tonal alarms, suitable for connection to 2-wire fire detection and alarm systems. 447 is compatible with both non-addressable and addressable¹ Numens control and indicating equipment.

Activation is initiated upon connection of the operating voltage, allowing connection to either a switched supply at the control and indicating equipment, or via an output module. The range includes weatherproof models.

Four distinct alarm tones can be selected during installation.

Designed for compliance with EN 54-3 and EN 54-23 Standards, the 447 range of non-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
- Powered from control and indicating equipment or via a module with a switched supply output
- Loud 90 dB sounder output at 1 m
- Long-life LEDs
- Low quiescent current
- Integrated mounting backbox with latch
- Weather-proof models available
- Low maintenance

Compliance

447 non-addressable audio/visual alarm devices have the following compliance ^a.

	EN 54-3 ^b	EN 54-23 ^c	CE ^d
447-001	✓	—	✓
447-002	✓	—	✓
447-003	—	✓	✓
447-004	—	✓	✓
447-005	✓	✓	✓
447-006	✓	✓	✓

^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

Accessories

The following accessories are compatible with 447 audio/visual alarm devices.

Description	Part number	Datasheet
Mini output module	620-003	31-0028
Input/output module	621-002	31-0031



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¹ May be used with Numens addressable output modules.

Specifications

Power	447-001	447-002	447-003	447-004	447-005	447-006
Operating voltage	DC (21 ~ 30) V					
Quiescent current	0 A					
Start-up time	≤ 3 s					
Alarm Condition						
Alarm current	≤ 10 mA		≤ 5 mA		≤ 12 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						
Terminal wiring	(0.4 ~ 2.5) mm ²					
Dimensions	Φ 102 mm × 92 mm					

Ordering Information

	Audible Alarm	Visual Alarm	Weatherproof
447-001	✓	—	—
447-002	✓	—	✓
447-003	—	✓	—
447-004	—	✓	✓
447-005	✓	✓	—
447-006	✓	✓	✓

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