6004 addressable control panel

EN 54-2, EN 54-4, CE   Control panel for 2-wire addressable system applications

Description

The 6004 analogue addressable control and indicating equipment forms the central part of a fire detection and alarm system. The fully networkable 2-wire 6004 is compatible with Numens addressable devices and can also be connected to non-addressable devices when used with addressable input modules.

Default configuration programming facilitates out-of-box installation and rapid commissioning. A powerful and versatile cause-and-effect PC-based programming tool enables rapid customization with software for sites that require special operating features.

The 6004 comes standard with features that allows flexibility and expandability.

The 6004 control panel provides fire detection and alarm system designers with a premium product for life safety and property protection applications.

6004 addressable control and indicating equipment

Features

- Single loop or 2-loop options available
- Single loop, expandable to 2-loops available
- Networkable, up to 4 control panels
- Supports up to 125 addressable devices per loop
- Automatic device detection on start-up
- Automatic device type-code verification
- 2 independently programmable non-addressable sounder output circuits
- 2 programmable relay outputs
- Fault relay output
- Remote disable and evacuation inputs
- Backlit LCD display providing 4 rows of 40 characters
- 16 zone fire alarm LED indicators
- 3000 event history log
- Attractive designer enclosure available in white
- Surface mounting
- Rugged metal enclosure
- Easy installation

Compliance

6004 control panels have the following compliance.

	EN 54-2 [a]	EN 54-4 [b]
6004-01	✔	✔
6004-02	✔	✔
6004-03	✔	✔

[a] EN 54-2 *Control and indicating equipment*
[b] EN 54-4 *Power supply equipment*

Accessories

The following accessories are compatible with 6004 control panels.

Description	Part Number	Datasheet
Control panel network card	6001-03	31-0048
Control panel remote LED display card	6001-04	31-0049
Detection zone output card, 8 relays	6001-07	31-0052
Detection zone output card, 16 relays	6001-10	31-0055
Control panel 1-loop expansion card[a]	6001-06	—
Programming tool	—	—

[a] Compatible with 6004-03 control and indicating equipment

Specifications

	6004-01	6004-02	6004-03
Operating voltage	AC (85 ~ 260) V / 50/60 Hz		
Mains supply current limit	1.5 A @ AC 230 V		
Mains supply fuse	4 A / AC 250 V slow blow (20 mm)		
Mains supply fault threshold voltage	≤ AC 60 V		
Power supply	2.2 A @ DC 28 V		
Standby battery capacity (2 × DC 12 V)	7.2 Ah		
Maximum battery current draw	1.5 A @ maximum operating temperature		
Battery fuse	6 A resettable (electronic fuse)		
Battery fault threshold voltage	< DC 20 V		
Quiescent current	100 mA @ 28.5 V	110 mA @ 28.5 V	110 mA @ 28.5 V
Addressable loops	1	2	1, expandable to 2[a]
Number of connected devices per loop	125		
Loop current (max)	400 mA		
Loop monitoring	Open- and short-circuit		
Configurable audio/visual alarm groups (max)	512		
Non-addressable audio/visual alarm device driver	800 mA		
Non-addressable audio/visual alarm end-of-line resistor	10 kΩ		
Alarm zone monitoring	Open- and short-circuit		
Alarm zone voltage (max)	DC 27.5 V		
Alarm zone fuse	1.1 A resettable (electronic fuse)		
Number of programmable output relays	2		
Ancillary fire C/O relay	2 x (1.0 A @ DC 30 V / 1 A @ AC 240 V)		
Ancillary fault N/C relay	1.0 A @ DC 30 V / 1 A @ AC 240 V		
Auxiliary supply	DC 28 V @ 300 mA		
Evacuation start / stop input	Non-latching, voltage-free		
Remote reset input	Non-latching, voltage-free		
Number of networked panels	4		
Terminal wiring	(0.4 ~ 2.5) mm^2		
Operating temperature	(-5 ~ +40) °C		
Operating humidity	(0 ~ 95) % RH, non-condensing		
Storage temperature	(-25 ~ +80) °C		
Storage humidity	(0 ~ 98) % RH, non-condensing		
Dimensions (h × w × d)	(420 × 337 × 99) mm		
Weight (excluding batteries)	4.0 kg		

[a] Requires 6001-06 loop expansion card.

Ordering Information

	1-Loop	2-Loops	Expandable
6004-01	✔	—	—
6004-02	—	✔	—
6004-03	✔	—	✔

View the complete range of products at
www.numens.com