

## Description

The 6002 analogue addressable control and indicating equipment forms the central part of a fire detection and alarm system. The 6002 is compatible with Numens addressable devices and supports up to 125 devices per loop. Non-addressable devices can also be connected to the 6002, when used with addressable input modules. The 6002 is fitted with 2-loops.

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 6002 control and indicating equipment provides fire detection and alarm system designers with a premium product for life safety and property protection applications.

## Features

- Two addressable loops
- Supports 125 addressable devices per loop
- Supports wireless detection devices
- Automatic device detection on start-up
- Automatic device type-code verification
- 128 configurable zones
- 32 zone fire alarm LED indicators
- 32 addressable audio/visual alarm devices per loop
- 2 independently programmable non-addressable sounder output circuits
- Manual activation of alarm devices
- Configurable timer to delay Fire Alarm Condition output activation
- 2 programmable unmonitored Fire Alarm Condition relay outputs
- 1 programmable unmonitored Fault Condition relay output
- Supervised auxiliary DC 24 V output
- 4 Access Levels
- Configurable day/night mode
- Backlit LCD display providing 4 rows of 40 characters
- 3000 event history log
- Multiple language support
- Attractive designer enclosure available in cream or red
- Surface mounting
- Easy installation
- Supports up to 16 repeater panels

## Compliance

The 6002 control and indicating equipment has the following compliance <sup>a</sup>.

	EN 54-2 <sup>b</sup>	EN 54-4 <sup>c</sup>	CE <sup>d</sup>
6002-01	✓	✓	✓
6002-11	✓	✓	✓
6002-12	✓	✓	✓
6002-13	✓	✓	✓

<sup>a</sup> Third-party conformance assessment has not been undertaken.

<sup>b</sup> EN 54-2 *Control and indicating equipment*

<sup>c</sup> EN 54-4 *Power supply equipment*

<sup>d</sup> Conformité Européenne



6002 addressable control and indicating equipment

## Accessories

The following accessories are compatible with 6002 control and indicating equipment.

Description	Part Number	Datasheet
Addressable repeater panel, LCD display, 24V	6002-06	31-0070
Addressable repeater panel, LCD display, AC	6002-07	31-0071
Programming tool	—	—

## Specifications

	6002-01	6002-11
<b>Power Supply</b>		
Operating voltage	AC (100 ~ 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	4.3 A @ DC 28.5 V	
Quiescent current ( $I_{min}$ )	200 mA @ DC 28.5 V	
Maximum continuous output current ( $I_{a, max}$ )	1.4 A	
Maximum short-duration output current ( $I_{b, max}$ )	2.3 A	
Standby battery maximum capacity (2 × DC 12 V)	7.2 Ah	
Maximum battery current draw @ maximum operating temperature	1.5 A	
Battery fuse	10 A resettable (electronic fuse)	
Battery fault threshold voltage	< DC 20 V	
Battery fault threshold internal resistance ( $R_{i, max}$ )	0.5 Ω	
<b>Addressable Loops</b>		
Addressable loops	2	
Number of connected devices per loop	125	
Loop current (max)	400 mA	
Loop monitoring	Open- and short-circuit	
<b>Audio/Visual Alarms</b>		
Configurable audio/visual alarm groups (max)	512	
Non-addressable audio/visual alarm device driver	700 mA	
Non-addressable audio/visual alarm end-of-line resistor	10 kΩ	
Alarm zone monitoring	Open- and short-circuit	
Alarm zone voltage (max)	DC 29 V	
Alarm zone fuse	1.1 A resettable (electronic fuse)	
<b>Wireless Transmission Path</b>		
Maximum number of wireless nodes (per loop)	62	
Wireless node ID range	1 ~ 124	
Wireless radio interconnection operating frequencies	433 MHz, 868 MHz, 915 MHz	
Number of selectable radio channels	125	
<b>Ancillary Outputs</b>		
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 (19 ~ 30) V @ 200 mA	
<b>Miscellaneous</b>		
Event history log	3000 events	
Number of networked repeaters	16	
Terminal wiring	(0.4 ~ 2.5) mm <sup>2</sup>	
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)	(485 × 465 × 155) mm	
Weight (excluding batteries)	10.0 kg	

## Ordering Information

	Cream Enclosure	Red Enclosure
6002-01	✓	—
6002-11	—	✓

View the complete range of products at [www.numens.com](http://www.numens.com)

