

Description

603 photoelectric smoke detectors are microprocessor controlled state-of-the-art wireless detectors, suitable for connection to Numens wireless addressable fire detection control and indicating equipment.

603 smoke detectors use a wireless transmission path to connect to a node located on the addressable loop. Up to 125 detectors can be wireless connected to each addressable loop.

If the wireless detector is removed from its base, a fault signal will be released to the control and indicating equipment.

Advanced electronics in conjunction with a photoelectric smoke sensing chamber provides early detection of fire and high immunity against unwanted alarms.

An internal battery provides 10 years of normal operation.

The 603 wireless detector range provides fire detection and alarm system designers with a flexible smoke detector for life safety and property protection applications.



603-002 wireless smoke detector

Features

- Wireless transmission path
- Internal antenna
- Photoelectric smoke sensing chamber technology
- Integrated indicator provides visual indication of an alarm condition
- Test button verifies battery and detector operation
- Smoke chamber fault visual indication
- Internal power
- Low battery visual warning indication
- Up to 32 devices can be connected to the wireless node.
- User-replaceable battery provides up to 10 years operation under normal conditions
- Surface-mount device (SMD) circuit board design
- Easy DIP-switch loop and address setting
- Easy installation and configuration
- Low maintenance

Compliance

603 smoke detectors have the following compliance ^a.

	EN 54-7 ^b	CE ^c
603-002	✓	✓

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

^b EN 54-7 Fire detection and fire alarm systems. Smoke detectors. Point detectors using scattered light, transmitted light or ionization

^c Conformité Européenne

Specifications

Power Supply	603-002
Power source	DC 3 V
Quiescent current	10 µA
Quiescent condition indication	Synchronously Flashing red LEDs every 40 s
Battery life expectancy	10 years
Low battery indication	Two LEDs flash alternately once every 40s
Alarm Condition	
Alarm response threshold	(0.08 ~ 0.15) dB/m
Alarm condition current	2 mA
Alarm indicator	Flashing red LED every 1s
Test Condition	
Test condition visual indication	Flashing red LED every 1 s
Wireless	
Address range	1 ~ 125
Wireless radio interconnection operating frequencies	433 MHz, 868 MHz
Number of devices connected to a wireless node	32
Maximum distance between wireless device and node ^a	300 m
Node configuration mode indication	Flashing red LED every 0.5 s
Environmental	
Operating temperature	(-10 ~ +55) °C
Operating humidity	(10 ~ 95) % RH, non-condensing
Storage temperature	(-25 ~ +80) °C
Storage humidity	(0 ~ 98) % RH, non-condensing
Miscellaneous	
Dimensions	Φ 102 mm × 54mm

^a Distance in free air.

Ordering Information

603-002

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

