

## Description

621 addressable alarm zone input modules provide the interface to connect non-addressable input devices (such as detectors or manual call points) to Numens addressable control and indicating equipment.

The 621 alarm zone input module is compatible with all Numens non-addressable fire detection and alarm system detectors, and other input devices. Up to 125 addressable alarm zone modules can be connected to each alarm zone loop.

The 621 alarm zone input module range provides fire detection and alarm system designers with a Standards-compliant, economical product for life safety and property protection applications.

## Features

- Signals normal, alarm and open-circuit alarm zone conditions
- Capable of supplying 35 mA to power non-addressable devices
- Surface-mount device (SMD) circuit board design
- DC 24 V operation
- Compatible with 2-wire Numens fire detection and alarm systems
- Easy installation with simple address setting DIP switches
- 125 usable detector address settings per loop
- Low maintenance

## Compliance

621 alarm zone input module have the following compliance.

	EN 54-18 <sup>a, b</sup>	CE
621-003	✓	✓

<sup>a</sup> EN 54-18 Input/output devices

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



621 addressable alarm zone input module

## Specifications

621-003	
Operating voltage	DC (17 ~ 30) V
Start-up current	400 $\mu$ A
Start-up time	$\leq$ 30 s
Quiescent current with 10 $\mu$ F EOL fitted	4.5 mA + detector load
Quiescent load	(6.2 ~ 47) k $\Omega$
Zone output current	$\leq$ 35 mA
Zone output voltage	Loop voltage – 1 V
Sampling time	1 s
Alarm current	25 mA
Alarm load	$\leq$ 1.3 k $\Omega$
Zone short-circuit current	35 mA
Number of inputs	1
Usable addresses per loop	125
Number of connected input devices (typical)	32
Alarm indicator	Red
Polling indicator	Flashing green
Fault indicator	Yellow
Terminal wiring	(0.4 ~ 2.5) mm <sup>2</sup>
Operating temperature	(-10 ~ +50) °C
Operating humidity	(0 ~ 95) % RH, non-condensing
Storage temperature	(-25 ~ +80) °C
Storage humidity	(0 ~ 98) % RH, non-condensing
Dimensions (w x h x d)	(95 x 95 x 42) mm

## Ordering Information

621-003

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

