

ACT-431 DSL Broadband Alarm Filter with built-in Lightning Protection

Enables analogue alarm communication on Broadband/DSL lines!

The new ACT-431 DSL Alarm Filter is designed to meet BS/EN50131 requirements enabling analogue alarm signals to operate securely on Broadband/DSL lines. The filter provides terminal connections to be wired directly to the master phone socket and alarm equipment and is suitable for Redcare, Digital Communicators and Speech Dialers.

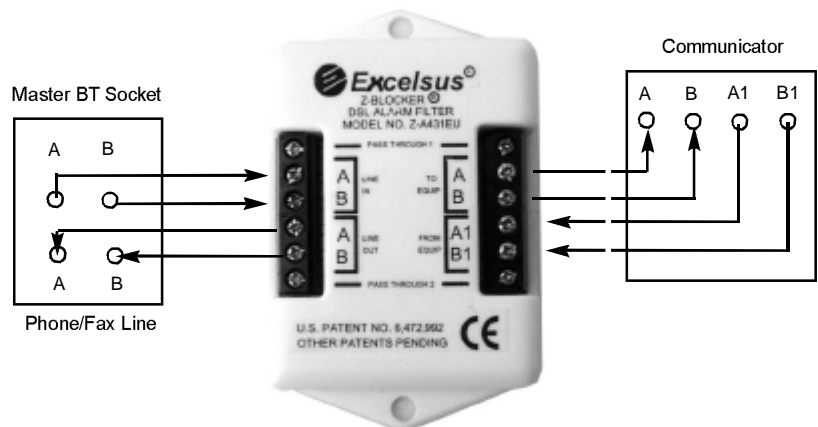
Installers should inform clients considering upgrading to Broadband that communication may be lost and insurance cover compromised if a line seizing filter is not fitted to the alarm system. To comply with BS/EN50131 enabling line seizure, the filter should be installed within the alarm control equipment and wired to the master telecom socket as follows:-

- 1) **Pass Through.** These terminals just pass through and are not normally used.
- 2) **AB Line In.** Connect these terminals to the master socket incoming BT line.
- 3) **AB Line Out.** Connect these terminals to the master socket Phone/Fax line.
- 4) **AB to Equip.** Connect these terminals to the control panel/digi) AB line.
- 5) **A1 B1 from Equip.** Connect these terminals to A1 and B1 on the digi.

IMPORTANT: If it is not possible to connect to the master socket or if A1, B1 terminals are not provided by the control panel/digi, analogue line seizure will not be provided. Under these circumstances connect the DSL filter to the BT line as described below.

- a) **AB Line In.** Connect these terminals to the BT telephone line.
- b) **AB to Equip.** Connect these terminals to the control panel/digi AB line.
- c) **Ignore all other terminals on the DSL filter.**

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Z-BLOCKER® Z-A431EU Alarm Panel DSL Filter

Description

The Z-A431EU alarm panel DSL filter is designed to eliminate the interference that occurs with alarm systems and ADSL service, and that often prevents proper operation of alarm panel features.

Alarm dealers and service providers have taken various approaches to solve this problem, such as:

- Installing a splitter or separate phone line, which is more costly and time consuming than installing an alarm filter.
- Installing a standard DSL filter at the alarm panel, which could prevent the alarm panel from seizing the line to dial out in an emergency if it is cut.

None of these approaches provide an inexpensive and straightforward solution to the problems created by the coexistence of DSL service with an alarm system.

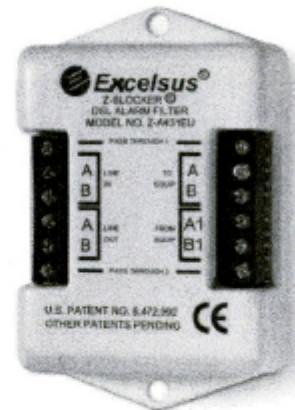
Designed specifically for alarm systems, the Z-A431EU isolates high frequency ADSL and HPN (Home Phone Network) signals from low-frequency voice and data signals. This enables simultaneous full functionality of both the alarm panel and the DSL service. The Z-A431EU has three filters: one plain old telephone service (POTS) low-pass filter to protect the alarm panel from ADSL interference, a second POTS low-pass filter to protect ADSL from impedance changes in the alarm panel, and a high-pass ADSL filter to ensure ongoing ADSL service, even during an alarm call.

The Z-A431EU is the first alarm panel DSL filter that is compatible with the new European technical standard EN 50131 for alarm/intrusion systems.

Features

- Supports the line seizure and cut-line protection features of the alarm panel, providing reliable dial-out in case of an emergency or cut line
- Provides uninterrupted ADSL/HPN communication during alarm panel incidents
- Surge protection circuitry for extra customer premises equipment protection from lightning surges and power crosses
- Two pass-through lines for line monitoring and signaling by the alarm provider
- Compatible with most major alarm panels used in residential and small business applications

- Compatible with EN standard 50131 for alarm/intrusion systems
- CE Mark certified



Screw terminal connections provide support for the line seizure and cut-line protection features of most alarm panels

Applications

The Z-A431EU filter is designed for use by alarm manufacturers, licensed alarm service providers and security industry distributors. It is compatible with many alarm panels in the United Kingdom, France, Italy and other countries that can utilize screw terminal connections. The unit can mount on the wall or inside the alarm panel, and has screw-down terminals for connecting the phone line and alarm panel.

The Z-BLOCKER Z-A431EU can be used in conjunction with other Z-BLOCKER DSL filters distributed throughout the subscriber's premises for DSL filtering of voice band equipment devices including wired/cordless telephones, fax/answering machines, dial-up modems, and automatic dialers. Excelsus is the number one selling brand of DSL filters worldwide.

Distributed by:



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