

# SX:ECHO

SIOX BUS AMPLIFIER



## GENERAL

This document describes SX:ECHO (option **8R30:004**), which is compatible with the Smoke Control System.

SX:ECHO is a SIOX bus amplifier, and is necessary if your system has:

- More than 100 damper modules
- A bus cable longer than 500 metres, regardless of topology

As well as acting as a bus amplifier, the unit also separates the bus electrically (galvanic isolation). This may be useful in order to divide the bus, for example by floor or by part of the building (not a requirement).

## LOCATION

The location of the module on the bus depends on which function you want.

If you are simply using the module as a bus amplifier, position the unit if possible where it divides the bus into approximately equal parts.

However, if you are only using it to divide the bus (with no need for amplification), you can position it where you need it, for example one per floor.

## INSTALLATION

Install the module according to the connection instructions at the bottom of the page. The easiest solution for the power supply is to run it from the nearest transformer on the secondary side (see the diagram below). The power supply for this option can be 24 VAC or DC.

Each section of the bus (e.g. primary bus and secondary bus) can be earthed at one point only. This is to avoid potential differences in the system.

There is no need for addressing or configuration. The module address is 60 but it is invisible in searches.

The number of bus amplifiers in a system should not exceed 20.

## SPECIFICATION

<b>Dimensions:</b>	94 X 94 X 57 mm
<b>Weight:</b>	208 g
<b>IP class:</b>	IP65
<b>Fuse:</b>	5 X 20 mm, 500 mA

