

features

- Compatible with ZXa and ZXe intelligent multi protocol fire alarm control panels
- Provides one class-A or class-B loop
- Supports System Sensor Series 500 and series 200 analogue addressable sensors and modules
- Plug-in connection
- Double address detection

The System Sensor loop driver is a plug-in card for use in the ZXa and ZXe intelligent multi protocol fire alarm control panels. This module allows ZXa and ZXe control panels to support input/output points from System Sensor 200 and 500 series analogue addressable devices:

- Smoke sensors (Ionisation and optical)
- Heat sensors
- Omni sensor
- Filtrex sensor
- Monitor modules
- Control modules
- Isolator modules
- Conventional zone
- Addressable manual call points & pull stations
- Addressable sounders

The plug-in loop driver card provides power for and handles communications to the analogue addressable devices. The loop driver continuously monitors the analogue values of all sensors and displays this value on the control panel as a percentage of the alarm threshold value. Both the alarm and pre-alarm threshold levels can be adjusted from the control panel if required.

Up to 198 devices (99 sensors and 99 modules) can be connected to a single loop driver. Each device has two rotary decade switches to allow a unique address to be selected.

The loop controller can support class-A and class-B wiring configurations. Short-circuit isolation and double address detection are built into the plug in card.

The AUTO-LEARN facility provided in the ZXa and ZXe control panels saves considerable time and effort when installing a new loop or when changing sensor configuration. It allows the system to learn for itself what devices have been installed on the loop.



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System Sensor Loop Driver Card Data Sheet

152(0102)

We reserve the right to change or amend any design or specification in line with our policy of continuing development and improvement.



mechanical

Dimensions (HxWxD): 90 x 54 x 18 mm

Weight: 32 gr. (1 oz)

Operating temperature: 0°C to 49°C

Humidity: 10% to 93%
non-condensing

electrical

Power consumption: 20mA
(excluding loop devices)

Maximum continuous
loop drive current: 440mA per loop

(max. 500 mA available for two loops in ZXa,
max. 1250mA available for five loops in ZXe)

Maximum circuit ratings:

Resistance: 40 Ohm

Capacitance: 0.5µF

Diagnostics:

Two LED's to indicate which end of the loop is being
driven.

Loop terminations:

Screw terminals on the motherboard for a maximum
cable cross sectional area of 2.5 mm² (13 AWG)
removable block.

Wiring:

Class A or class B with shielded, twisted wire.

approvals



part numbers

EN54

795-068

System Sensor loop driver card

UL listed

794-068

System Sensor loop driver card

Your Local Distributor