

ANALOGUE - Isolator Base Model B524IEFT-1

Overview

Features

- Low profile (26mm)
- Low Current consumption (100 µA)
- Up to 99 isolators per loop
- Complete isolation of short circuits
- Automatic restore when short circuit is corrected
- Rugged industrial construction
- Remote LED Connection
- Sensor continues to operate in case of a short circuit on either side of isolator base



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Description

The System Sensor B524IEFT-1 isolator base is designed for use with all System Sensor 200 analogue addressable detectors. The B524IEFT isolator base prevents an entire communications loop from being disabled when a short circuit occurs. It achieves this by isolating the part of the loop containing the short from the remainder of the circuit. The base will automatically restore the entire loop when the cause of the short circuit is corrected. Up to 20 devices may be isolated per isolator base, depending on the device type (see tables 1 and 2).

This base accepts the following System Sensor detectors : 1551E, 2551E, 5551E, 5551HTE, 5551RE, 1251E and 2251E.

The table below shows the maximum number of detectors and modules that can be installed between isolators

Detector / Module Type	Max number between B524IEFT-1 or similar isolators
Series 200 Detectors in B501 base	60
Series 200 Advanced Detectors in B501AP base	60
7251 Pinnacle	40
6500 beam detector	15
Old 500 Modules	6
M200 Modules (except CZ)	40
M210E-CZ conventional zone module	10
Multi-modules	6
MCP5A call point	4
AV range sounders and strobes	25
Any sensor in B524RTE relay base	3

Assumptions:

*Worst case figures
Min loop voltage 17VDC
Normal comms on the loop*