ATS1744

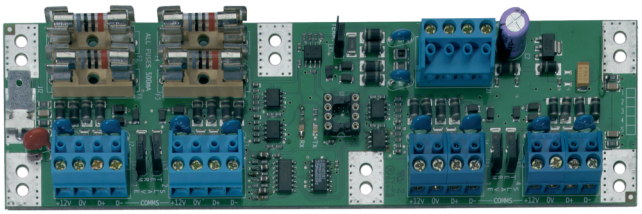
RS485 4-way databus isolator

Product overview

The ATS1744 is a functional isolator for the ATS-Databus. It splits the RS485 ATS Databus into 4 isolated ATS databus slave-loops. These slave loops can be used to isolate peripherals in different areas. Therefore, the isolator can isolate up to 4 Areas.
Shorts or open in one or more slave-loops will not interrupt the other slave-loops and the master-loop. A control panel, which controls 16 areas, can have 4 isolators. The fuse capacity of the control panel has to be taken into account in the calculation of the bus device currents in the system.

Mounting

The ATS1744 board can be mounted in any existing ATS Control Panel enclosure that supports the BB format. The unit acts as a reapeter as well. If a second ATS1744 is used at a distance more than 100 m it will need a separate power supply.



Details

- 4-way databus isolator (one in and four out)
- On-board LEDs show data traffic
- Compatible with Axon and Advisor Advanced panels
- A short on the bus communication of one output does NOT affect the communication of the other 3 outputs
- Each output provides for a databus with max 1.5 km

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Technical specifications

General

Accessory group	Advisor Advanced, ATS Master, Axon
Type	Modul

Electrical

Power supply value	Specified cable: Aritech WCAT 52/54 or equivalent
Operating voltage	10.5 to 13.8 V
Current consumption	39 mA

Physical

Physical dimensions	176 x 52 mm (W x H)

Environmental

Operating temperature	-10 to 55°C
Relative humidity	95% noncondensing

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