ATS1744
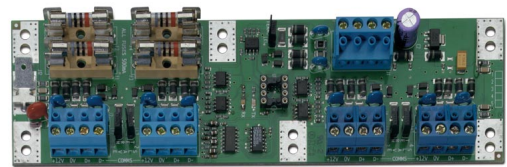
ATS RS485 4-Way Databus Isolator

Product Overview

The ATS1744 is a functional isolator for the ATS-Databus. It splits the RS485 ATS Databus into 4 isolated ATS-slave loops. These slave loops can be used to isolate peripherals from 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.

Standard Features

- 4 Way Databus Isolator
- Fits in any ATS housing
- On-board LEDs show data traffic
- A short on the bus communication of one output does NOT affect the communication of the other 3 outputs

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Specifications

Supply voltage	10.5 - 13.8 VDC
Operating current	80 mA max.
Specified cable	Aritech WCAT 52/54 or equivalent
Dimensions (W x H)	175 x 50 mm
Operating temperature	0° to +50ºC

Ordering Information

Part No.	Description
ATS1740	ATS RS485 bus isolator/repeater
ATS1741	ATS RS485 to RS232 interface
ATS1742	ATS RS485 closed loop module
ATS1743	ATS RS485 Databus to Multimode Optical Fiber interface
ATS1744	ATS RS485 4-Way Databus Isolator