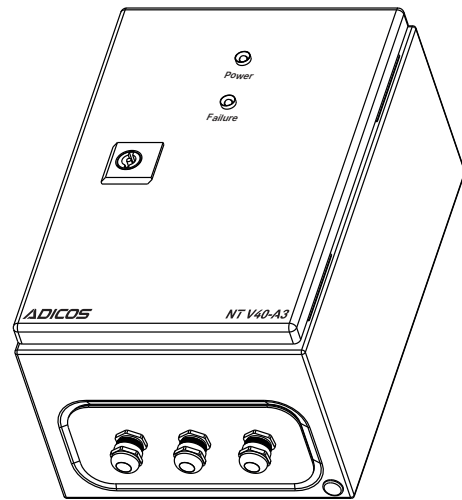


NT V40-A3

External power supply for operation of detector units from the Advanced Discovery System (ADICOS)



Characteristics

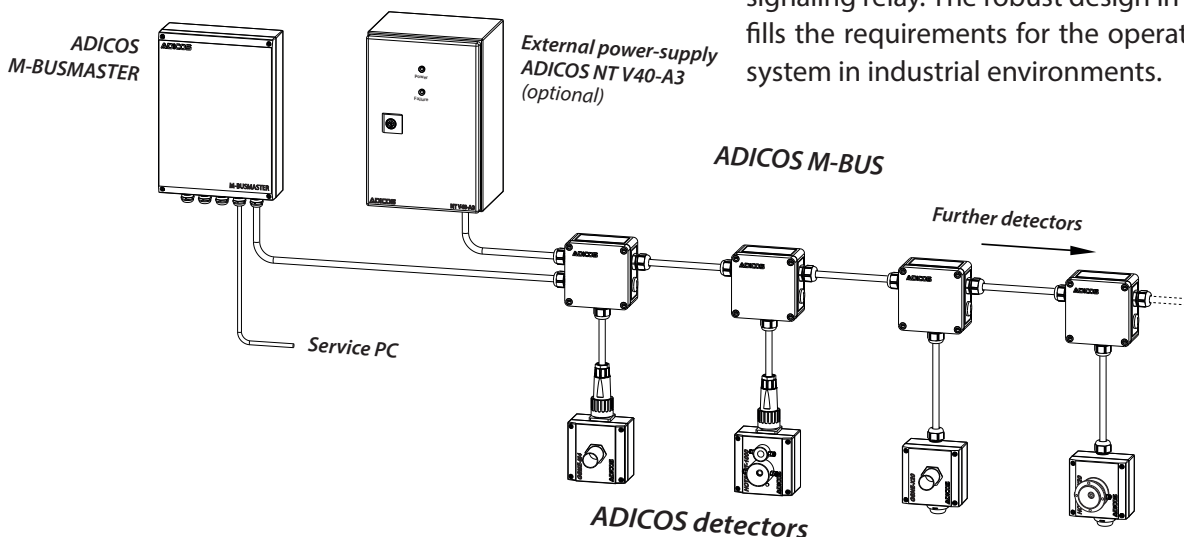
- Robust design with sheet metal housing
- Extensive tolerance towards humidity and dust (IP55)
- Supply of up to 15 detectors
- Intelligent short-circuit detection
- Plug-in terminals for up to 3 detector lines
- Power failure detection with signal relay
- Error detection with signal LED

Applications

Mains powered decentralized voltage supply of ADICOS special fire detectors

The Advanced Discovery System (ADICOS®) is used for early detection of fires in industrial environments. It is comprised of various, separate detector units. By parameterizing and arranging the detectors appropriately, the system fulfills a predefined detection goal. ADICOS fire detectors are connected via a M-Bus to a M-Bus interface (M-BUSMASTER).

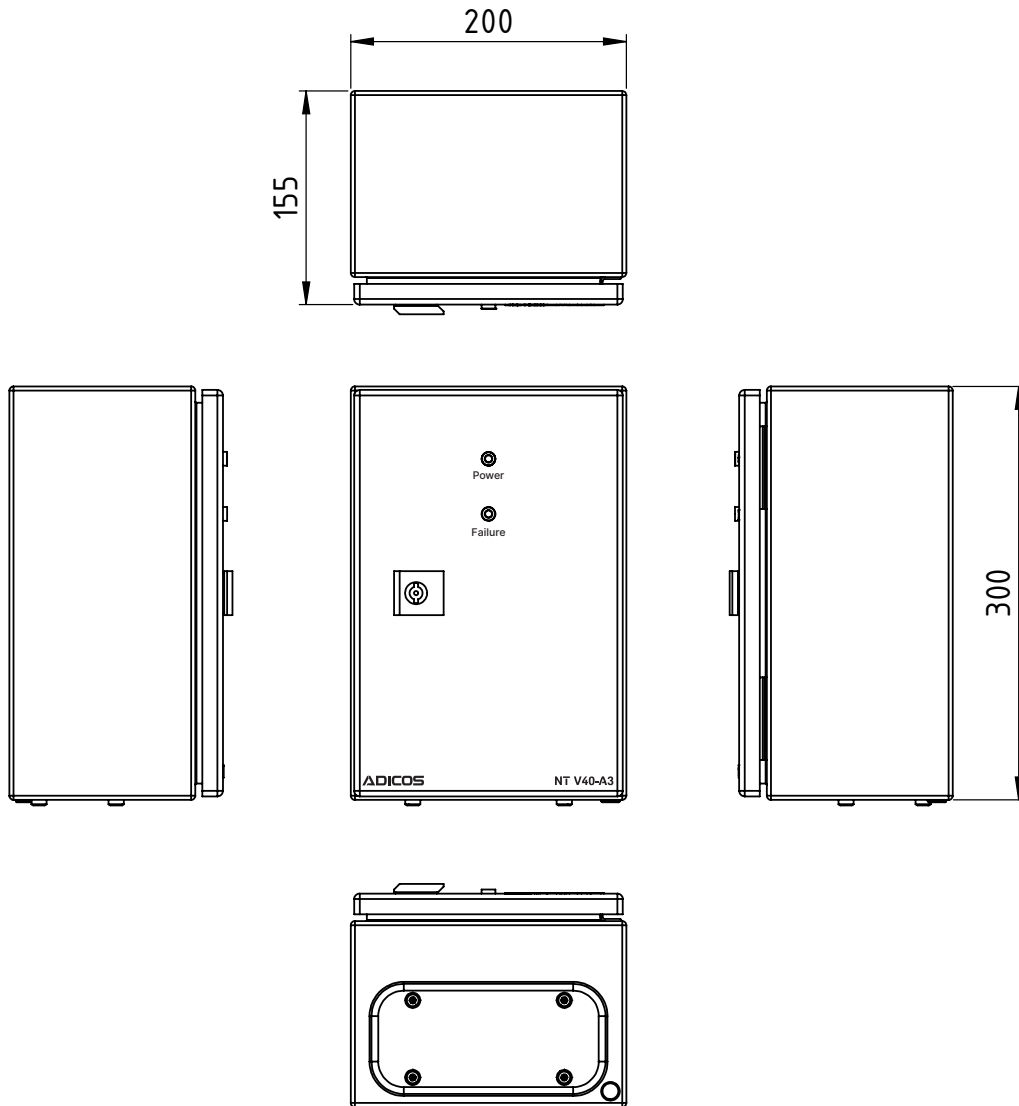
Compared to standard fire detectors the ADICOS detection units have a higher power consumption. For this reason, the power supply is realized with aid of peripheral external power supply units. The supply unit NT V40-A3 is especially designed for the power supply of ADICOS fire detectors. Based on its output power a maximum of 15 GSME or HOTSPOT detectors can be operated depending on the cable routes and cross-sections. The supply of the NT V40-A3 is carried out with aid of AC 230 V mains voltage. It has an intelligent power failure detection with signaling relay. The robust design in a steel enclosure fulfills the requirements for the operation of the fire alarm system in industrial environments.



NT V40-A3 - Specification

Mechanical dimensions

All dimensions in mm



Mechanical characteristics

Enclosure	Steel sheet metal (corrosion-resistant)
Dimensions	300 mm x 200 mm x 155 mm (H x W x D)
Weight	6.3 kg
Protection class	IP 55

Thermal characteristics

Relative humidity	≤ 95 % (non-condensing)
Temperature range	-10 ... +50 °C

Electrical characteristics

Supply voltage	AC 230 V
Output voltage	DC 40 V
Power output	160 VA
Internal fusing	1.6 A slow-blow