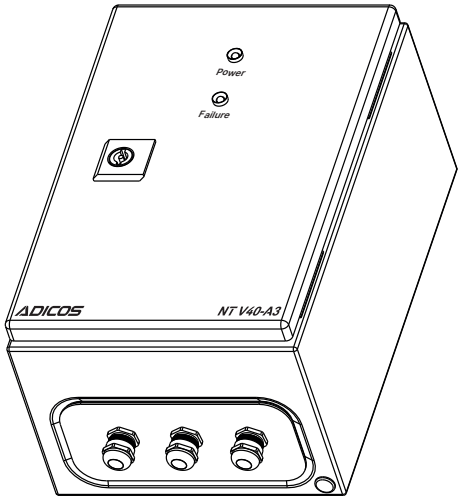
NT V40-A3

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



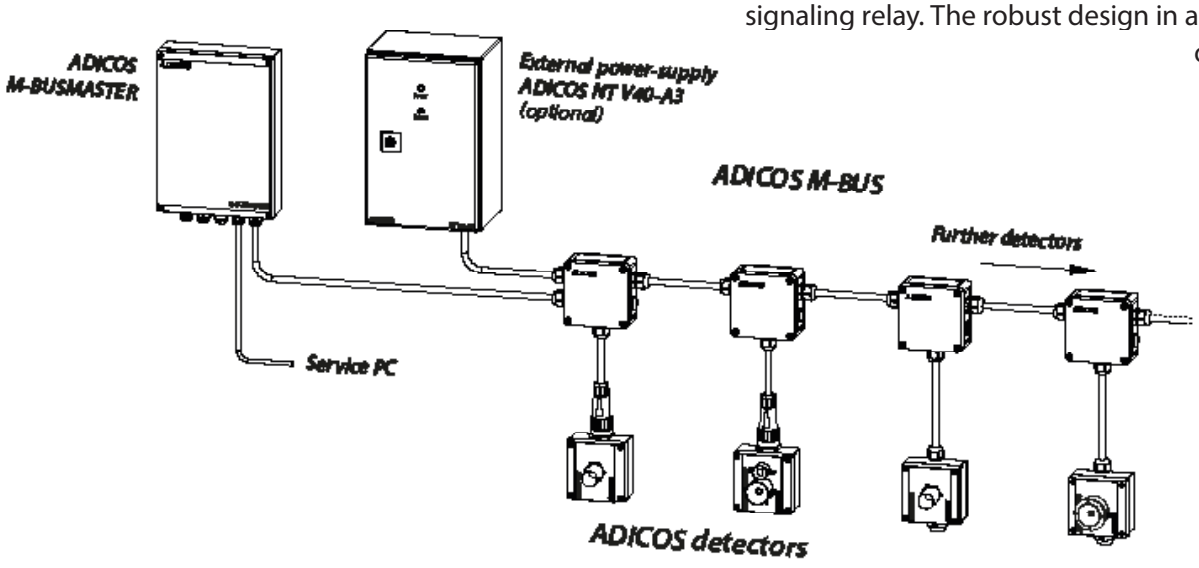
Characteristics

- *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

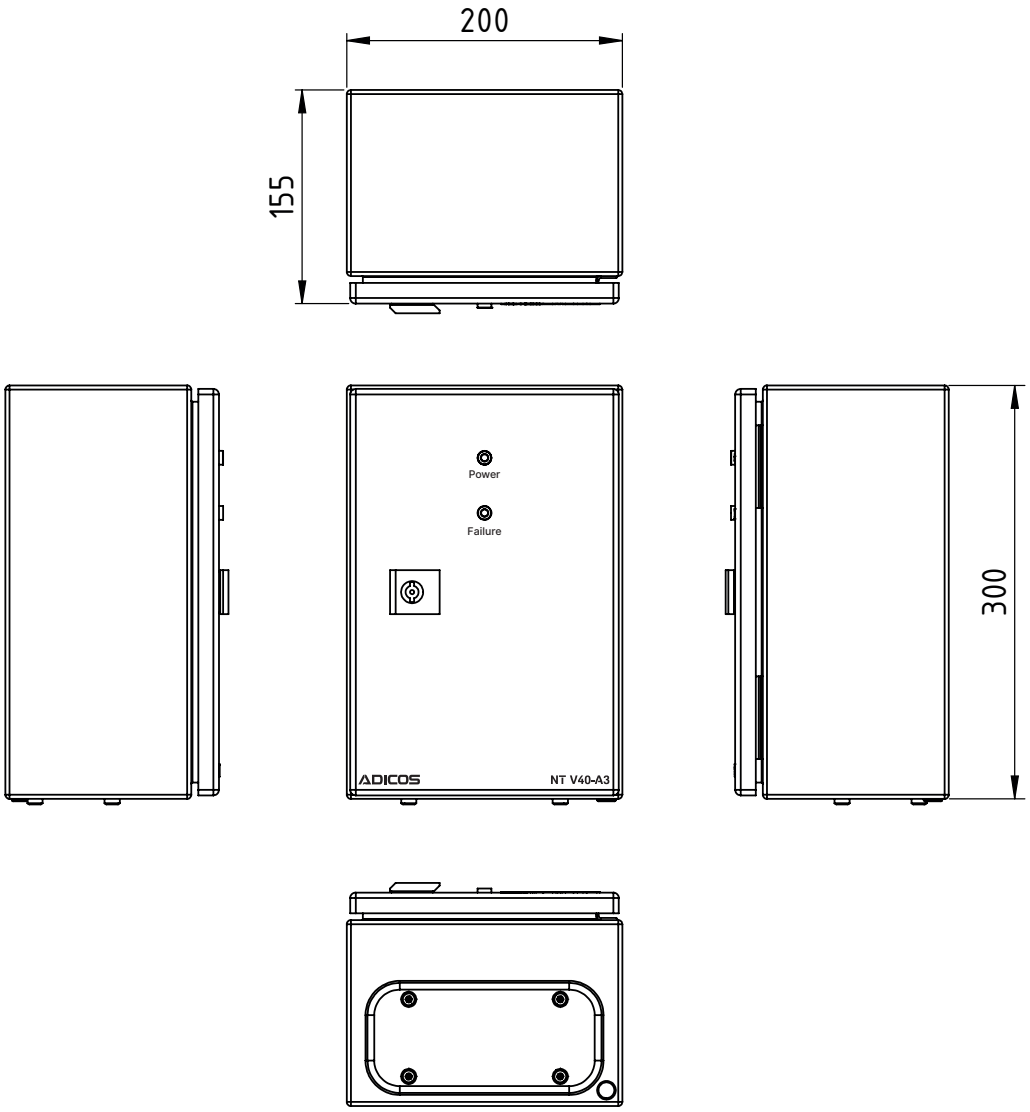
The Advanced Discovery System (ADICOS®) is used for early detection of fires in industrial environments. It is comprised of various, separate detector units. By parameterizing and arranging the detectors appropriately, the system fulfills a predefined detection goal. ADICOS fire detectors are connected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



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	*120 VA*
Internal fusing	*1.6 A slow-blow*

GTE Industrieelektronik GmbH
Helmholtzstr. 21, 38-40 | D-41747 Viersen, GERMANY | ☎ +49(0)2162 / 3703-0 | service@adicos.com | www.adicos.com