

# NT-V40 A3

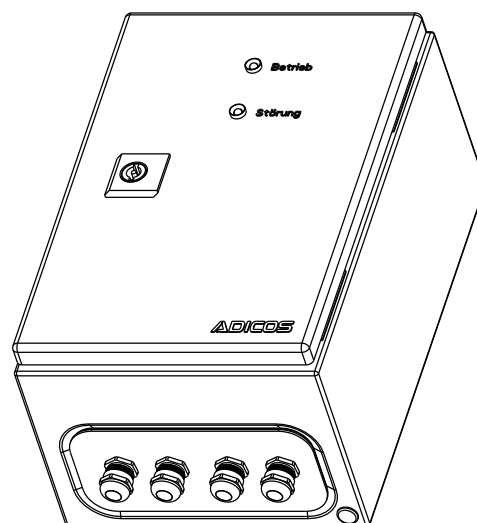
**External power supply for operation of detector units from the Advanced Discovery System (ADICOS)**

## Characteristics

- Sturdy design with sheet metal housing
- Extensive tolerance towards humidity and dust
- Supply of up to 75 detectors
- Intelligent short-circuit detection
- Plug-and-play terminals for up to 3 detector lines
- Power-out detection with signal relay
- Error detection with signal LED

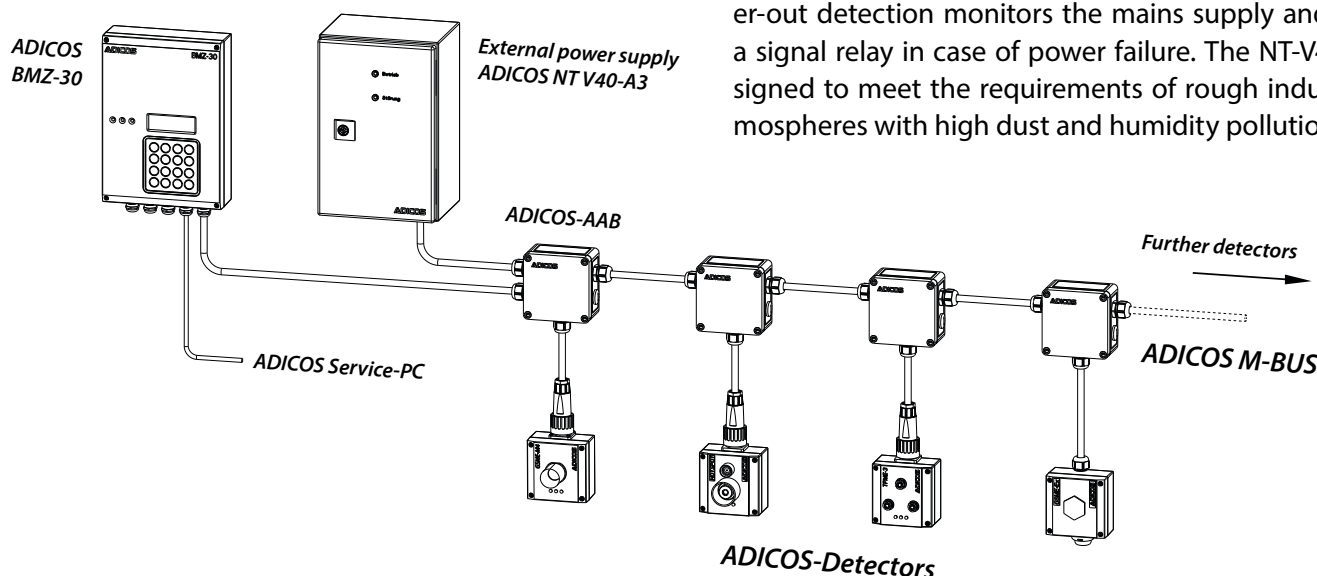
## Applications

- ADICOS special fire detection installations with a power-consumption that exceeds the maximum power-output of the central unit in use (BMZ-30, M-Busmaster)



The Advanced Discovery System („ADICOS“ in short) is the recognized state of the art for early fire detection in industrial surroundings. It consists of detectors with intelligent fire gas sensors, infrared hot-spot detectors and temperature detectors, which all are connected to a central unit (e.g. ADICOS fire alarm panel BMZ-30) with the ADICOS M-Bus. The central unit is equipped with an internal power supply, which powers the connected detector lines. In applications with more detectors than the internal power supply can handle, an additional external power source - the ADICOS NT-V40 A3 - is required.

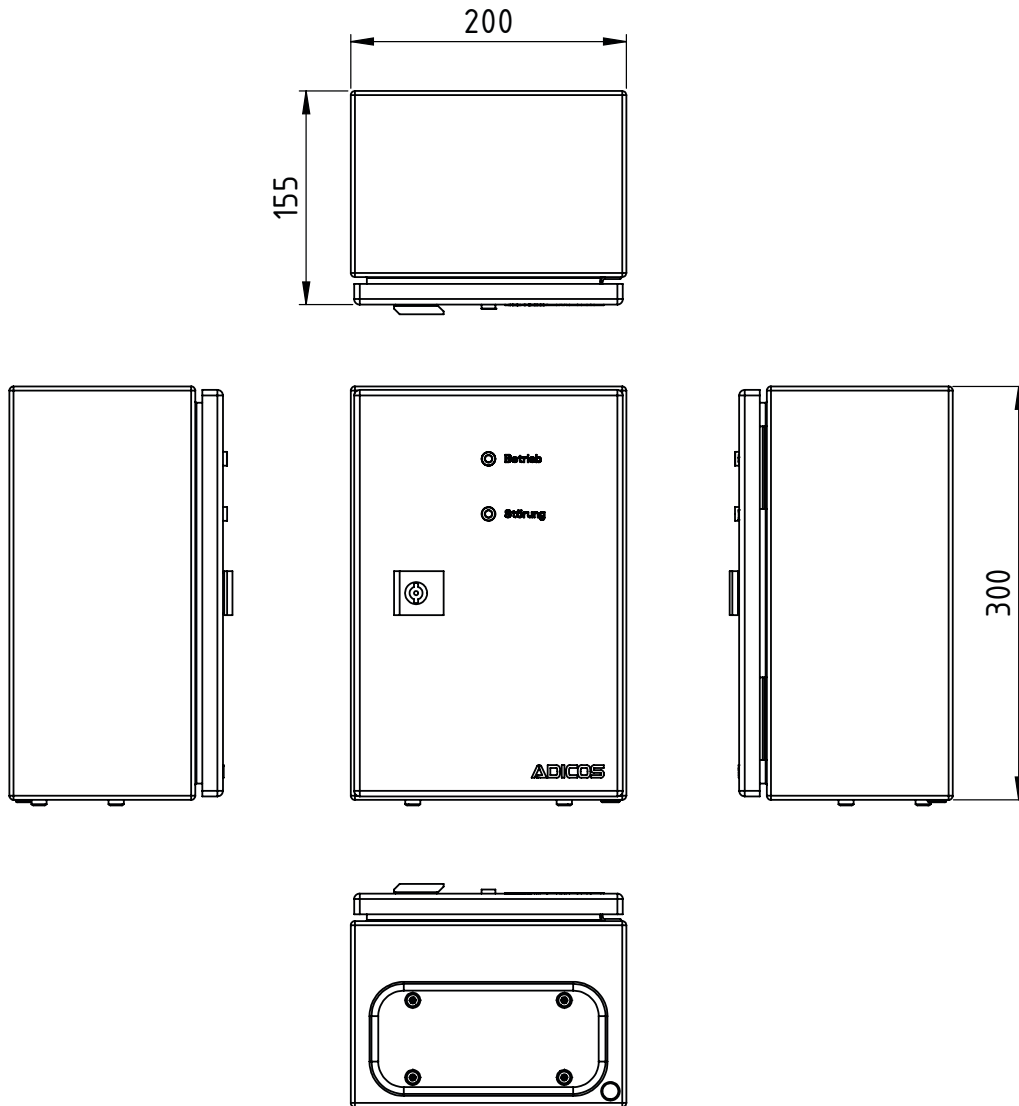
Its power output is sufficient for the operation of up to 75 GSME, HOTSPOT or TPME detectors. An intelligent power-out detection monitors the mains supply and trigger a signal relay in case of power failure. The NT-V40 is designed to meet the requirements of rough industrial atmospheres with high dust and humidity pollution.



# NT-V40 A3 - Specification

## Mechanical dimensions

All dimensions in mm.



### Mechanical characteristics

Enclosure	Steel sheet metal (corrosion-resistant)
Dimensions	300 x 200 x 155 mm (H x W x D)
Weight	6,3 kg
Protection class	IP 55

### Thermal characteristics

Relative humidity	0 ... 99 % (non-condensing)
Temperature range	-10 ... +50 °C

### Electrical characteristics

Supply voltage	230 V AC $\pm$ 15%
Output voltage	38 ... 40 V DC
Power output	160 VA
Internal fusing	1,6 A tr