

For decades, security systems by Labor Strauss have been associated with innovative technology and highest quality, serving safety. All steps of the value-adding process – including market analysis, development, manufacturing, distribution and customer service – are united in one company. The products of the Austrian family business ensure safety – in many parts of Europe and the world.

MEP – the safety specialists. Apart from the development and manufacturing of innovative electromechanical components – such as manual call points, fire brigade control units and sabotage-monitored key safes – the company offers complete solutions around the topic „Fire Protection“.



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Power supply units - certified to EN 54-4 Series NT624

Uninterruptible power supply for
fire detection systems and extinguishing systems



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UNINTERRUPTIBLE POWER SUPPLY

Modern fire detection systems and extinguishing systems often use control equipment or peripheral devices whose energy demand can not be met by the fire detection or extinguishing control panel. The universal Power Supply Units Series NT624 are designed as supplementary power supplies of these systems.

By means of the power supply units, a variety of devices such as smoke aspiration systems, sounders, special detectors, solenoid valves or any other devices which require a reliable power supply with a nominal voltage of 24V, can be powered.

Uninterruptible supply with 24VDC

In the event of a mains failure, the optional stand-by batteries guarantee the uninterruptible power supply of the connected devices. The integrated protection against total discharge and the gentle, temperature compensated battery charging form the basis of the long battery life and hence the low maintenance costs.

Intelligent battery monitoring

The battery monitoring complies with the standard EN 54-4 and comprises the periodical measurement of the battery voltage under load and of the internal resist-

ance of the battery. As a result, battery aging because of an increase in the internal resistance can be detected early and the reliability of the power supply can be ensured by changing the batteries in time.

With the integrated test function, a performance check is carried out and the current internal resistance of the battery is read out. That is why maintenance of the power unit and of the batteries is especially easy and time-saving.

Output current 2.3A, 4.3A or 8.5A

The heart of the power supply units, the power supply module, is available in three versions – with an output current of 2.3A, 4.3A or 8.5A. The output voltage of the integrated switched-mode power supply is current-limited and short-circuit-protected. The built-in earth fault monitoring adds to verifying the correctness of the installation. The high efficiency of the energy-saving power units also sets them apart and ensures low heat generation.

The power supply module has been designed for installation in a power supply housing. Four different housing versions are available for this purpose.



Installation in wall-mount cabinet or in 19" switch cabinet

Various housing models are available for installing the power supply modules and the system-specifically dimensioned batteries.

The wall-mount cabinets NTG624-1, NTG624-2 and NTG624-3 provide plenty of space for installing stand-by batteries and optional auxiliary modules, in addition to the power supply module.

The Power Supply Front Panel NTG624-1CE with its thoughtful design can be installed in 19" switch cabinets. In this case the stand-by batteries are accommodated inside the switch cabinet.

Status indication on the front panel

At the front of the housing, seven light emitting diodes indicate the operating condition as well as possible causes of faults. An integrated buzzer acoustically signals occurring faults and can be reset with a push-button.

Via the fault output, fault messages can be transmitted to the fire detection control panel for further processing.

Certified quality

The VdS-approved power supply units have been tested and certified by VdS according to the mandatory standard EN 54-4:2006.

Thanks to the use of high-quality components, careful manufacturing and stringent test methods, the power supply units meet even the highest quality requirements.

